

Site 22 Tract

Environmental Restoration Project Documents

General Documents Applicable to all Tracts:

Environmental Restoration Report to Support Land Conveyance and Transfer Under Public Law 105-119, August 1999(LA-UR-99-4187).

Summary of ER Activities to Support Land Conveyance and Transfer at Los Alamos National Laboratory Under Public Law 105-119, August 1999(LA-UR-99-1018).

Conveyance and Transfer Plan for Certain Land Tracts Administered by the U.S. Department of Energy Located at the Los Alamos National Laboratory, Los Alamos and Santa Fe Counties, New Mexico, Report to Congress Under Public Law 105-119, September 2000.

Combined Data Report to Congress to Support Land Conveyance and Transfer Under Public Law 105-119, January 2000.

Site 22 Tract Specific Documents:

RFI Work Plan for Operable Unit 1079, May 1992 (LA-UR-92-0850) potential pertinence (Manhattan Monument and Site 22 parcels are located within this Operable Unit)

Environmental Baseline Survey

for

Miscellaneous Site 22 Tract

Pursuant to the US Department of Energy

Cross-Cut Guidance on Environmental Guidance
for DOE Real Property Transfers

September 21, 2001

Environmental Baseline Survey

for

Miscellaneous Site 22 Tract

Executive Summary

This document, "Environmental Information for Real Property Transfer", was prepared in accordance with the "Cross-Cut Guidance on Environmental Requirements for DOE Real Property Transfers" in preparation of transferring ownership of the Miscellaneous Site 22 Tract (hereafter referred to as Site 22) at Los Alamos National Laboratory from the US Department of Energy (DOE) to Los Alamos County pursuant to Public Law 105-119, Section 632. It discusses DOE compliance with the environmental requirements associated with real property transfers. It also demonstrates that, although potentially contaminated, Site 22 is in such condition that DOE may issue deeds on the basis that "all remedial action necessary to protect human health and the environment has been taken".

Appendix A is a standard CERCLA 120(h) report for this tract. No information was found to indicate that hazardous substances were ever stored on this site.

The methodology used to prepare this report was to:

- conduct an environmental site assessment of Site 22 consistent with American Society of Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM E 1527-00) (see Appendix B),
- review historical and current information and documents pertinent to Site 22,
- perform a physical examination of the Site 22, and
- consult with both University of California and DOE staff to confirm existing information or develop additional information.

Based on this assessment, it has been determined that Site 22, although potentially contaminated by activities conducted in the late 1940s and early 1950s at or near this location, has:

- no potential release sites (PRSs) within its boundaries (Appendix C),
- no record that hazardous substances were ever stored at this site, and
- no requirements for future remedial clean-up activities.

Analyses indicate that air quality is good, affected mostly by traffic on nearby Trinity Drive. Doses from radioactive air pollutants indicate that air concentrations would deliver a dose of approximately 1.6 millirem per year at Site 22 or less than one-fifth of the EPA standard.

There are no known springs or wetlands within Site 22 boundaries, nor do regional aquifer groundwater test or supply wells exist within the tract or within a distance of 0.5

miles of the tract. No surface or groundwater contamination is known to exist at Site 22, and Site 22 does not lie within the 100-year or 500-year floodplains.

Habitat for threatened and endangered species overlaps Site 22; however, the habitat is poor due to the small size of the tract, intensive adjacent development, and human population in the general area.

A complete archaeological survey of Site 22 did not reveal historic or prehistoric resources, and no known traditional cultural properties (TCPs) exist.

Based on this information, the University of California and DOE conclude that there are no outstanding environmental issues to prevent conveyance or transfer of Site 22 to Los Alamos County.

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1.0 Purpose of the Environmental Baseline Survey

On November 26, 1997, Congress passed Public Law 105-119. Section 632 of that law directed the Secretary of Energy to convey to the Incorporated County of Los Alamos, NM, or to the designee of the County and transfer to the Secretary of the Interior, in trust for the Pueblo of San Ildefonso, parcels of land under the jurisdictional administrative control of the Secretary at or in the vicinity of Los Alamos National Laboratory. Such parcels, or tracts, of land must meet the suitability criteria established by the law, that is, they are not required for the national security mission before the end of the 11/26/2007; can be restored or remediated by 11/26/2007; and are suitable for historic, cultural or environmental preservation, economic diversification, or community self-sufficiency. The DOE identified 10 tracts of land for potential transfer to the County of Los Alamos or to San Ildefonso Pueblo.

DOE's "Cross-Cut Guidance on Environmental Requirements for DOE Real Property Transfers (DOE/EH-413/9712) provides guidance on types of information needed to support real property transfers. Information such as presence of floodplains and wetlands; critical habitats; historic properties; and hazardous substances must be gathered and provided to potential recipients of the property. This document provides relevant environmental information as outlined in the Cross-Cut Guidance and provides references to more detailed information.

This report contains four appendices:

- Appendix A is a standard CERCLA 120(h) report for the tract,
- Appendix B is a Phase I Environmental Site Assessment performed consistent with the American Society of Testing and material (ASTM), and
- Appendix C is an Environmental Restoration Program document attesting that no potential release sites exist on this tract.
- Appendix D is a site map.

1.1 Boundaries of Property and Scope of Survey

Site 22 (see Figure, Appendix D) consists of approximately 0.26 acres of disturbed land located in the Los Alamos townsite between Trinity Drive and the north rim of Los Alamos Canyon. The northern edge of the tract is located behind an adjacent commercial storage business and a fast-food restaurant and delimited by private property boundaries. The southern portion of the tract generally conforms to the irregular topography of the mesa's edge.

The legal property boundary description of this tract is provided by the Army Corps of Engineers Title Report, "Site 22 Tract (TA-41, Parcel 3) at Los Alamos, New Mexico", September 14, 1998. This report indicates that DOE has clear title to this parcel of land. In addition, the Army Corps of Engineers conducted a physical survey of the property in 2001, and an amended legal description will be prepared from that survey to transfer the property.

The scope of this Environmental Baseline Survey was to identify potential environmental issues associated with Site 22 that might impact transfer of ownership.

2.0 Survey Methodology

The methodology used to prepare this report was to:

- conduct an environmental site assessment of Site 22 consistent with American Society of Testing and Materials (ASTM) “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM E 1527-00) (see Appendix B),
- review historical and current information and documents pertinent to Site 22,
- perform a physical examination of Site 22, and
- consult with both University of California and DOE staff to confirm existing information or develop additional information.

2.1 Approach and Rationale

Historical and current information (see 2.1.1 below) for Site 22 was reviewed, and the site was physically visited and surveyed. After determining the nature and quality of available information, UC and DOE staff were consulted to confirm existing information or develop new information as needed. Collectively, this survey addressed air quality, water quality (surface and groundwater), soil and sediment contamination, and any structures, waste sites, natural resources or other environmental concerns present at the site.

To conduct this assessment it was assumed that Site 22 parcel boundaries were established and not subject to significant change. Environmental conditions and associated information were evaluated based upon those boundaries. Second, it was assumed that the nature and quality of the document reviews and site surveys were independent of, and unaffected by, the recipients’ intended use as identified in “Conveyance and Transfer Plan for Certain Land Tracts Administered by the U.S. Department of Energy Located at the Los Alamos National Laboratory, Los Alamos and Santa Fe Counties, New Mexico” (DOE September 2000). Lastly, it was assumed that a final inspection or “walk-through” of each parcel would occur prior to conveyance or transfer.

2.1.1 List and Description of Documents Reviewed

In addition to the documents listed below, the Environmental Site Assessment (Appendix B) identifies additional resources used in this evaluation.

1. ACOE September 1998: “Site 22 Tract (TA-41, Parcel 3) at Los Alamos, New Mexico”, U.S. Army Corps of Engineers Title Report, September 14, 1998.

2. DOE August 1999: "Final Environmental Restoration Report to Support Land Conveyance and Transfer under Public Law 105-119", Los Alamos National Laboratory, LA-UR-99-4187, August 1999
3. DOE January 1999: "Final Site-Wide Environmental Impact Statement for Continued Operation of Los Alamos National Laboratory", US Department of Energy, DOE/EIS-0238, January 1999.
4. DOE January 2000: "Combined Data Report to Congress to Support Land Conveyance and Transfer under Public Law 105-119", US Department of Energy, Unnumbered Report, January 2000.
5. DOE October 1997: "Cross-Cut Guidance on Environmental Requirements for DOE Real Property Transfers", U.S. Department of Energy, DOE/EH-413/9712, October 1997
6. DOE October 1999: "Final Environmental Impact Statement for the Conveyance and Transfer of Certain Tracts Administered by the US DOE and Located at Los Alamos National Laboratory", US Department of Energy, DOE/EIS-0293, October 1999
7. DOE September 2000 "Conveyance and Transfer Plan for Certain Land Tracts Administered by the U.S. Department of Energy Located at the Los Alamos National Laboratory, Los Alamos and Santa Fe Counties, New Mexico", U.S. Department of Energy, Report to Congress Under Public Law 105-119, Unnumbered Report, September 2000.
8. ESA December 1973: "Endangered Species Act", United States Code, Washington, D.C., Title 16, Conservation; Chapter 35, Endanger Species Act, December 1973.
9. LANL August 1998: "Threatened and Endangered Species Habitat Management Plan," Los Alamos National Laboratory, August 1998.
10. LANL December 2000: "Environmental Surveillance at Los Alamos During 1999", Los Alamos National Laboratory, LA-13775-ENV, December 2000.
11. LANL ER Baseline: LANL Environmental Restoration Project Baseline, WBS 1.4.2.6.01.02.24.JG.
12. LANL July 1998: "A Status Report on Threatened and Endangered Species, Wetlands, and Floodplains for the Proposed Conveyance and Transfer Tracts at Los Alamos National Laboratory, Los Alamos, New Mexico", Los Alamos National Laboratory, July 1998.

13. LANL November 1989: LANL Hazardous Waste Facility Permit, NM 0890010515-1, 11/8/89
14. LANL Unpublished Report: LANL Draft Watershed Management Plan
15. LANL December 1977. A. John Ahlquist, Alan K. Stoker, and Linda K. Trocki, "Radiological Survey and Decontamination of the Former Main Technical Area, TA-1, at Los Alamos, New Mexico," Los Alamos Scientific Laboratory Report LA-6887, December 1977
16. LANL August 1945. J.E. Burke, "Minutes of Meetings on Recovery Held Aug. 11, 1945," Los Alamos Scientific Laboratory memorandum to Plant Committee, Aug. 11, 1945.
17. LANL November 1952. Los Alamos National Laboratory, "H Division Progress Report," October 20-November 20, 1952.
18. LANL August 1958. Los Alamos National Laboratory, "H Division Progress Report," July 20 – August 20, 1958.

2.1.2 Inspections of Properties Conducted and Personnel Contacted

The Environmental Site Assessment (Appendix B) identifies personnel contacted during this evaluation.

3.0 Summary of Data

Site 22 is located in the Los Alamos townsite between Trinity Drive and the north rim of Los Alamos Canyon. The northern edge of the tract is located behind an adjacent commercial storage business and a fast-food restaurant and delimited by private property boundaries. The southern portion of the tract generally conforms to the irregular topography of the mesa's edge. Although potentially contaminated (it was part of the original main technical area of Los Alamos National Laboratory), Site 22 does not contain contamination as defined by CERCLA 120(h)(4).

The area known as Main Technical Area 1 was a fairly large complex combining features of both experimental laboratory research and industrial operations. Facilities in this technical area handled radionuclides including 238-uranium, 235-uranium, 239-plutonium, tritium, 210-polonium, 232-thorium, 226- radium, 137-cesium, 29-strontium, 241-amerium, and curium. Non-radioactive materials handled included lithium hydride, beryllium, mercury, iodine, trisodium phosphate, ammonium sulfate, various acids such as hydrochloric, nitric, perchloric, hydrofluoride, and orthophosphoric, and various types of organics (LANL August 1945, LANL November 1952, LANL August 1958).

The eastern portion of TA-1 was removed between 1953 and late 1959, whereas the remaining western portion and most of the acid-sewer lines extending north from TA-1 were removed during 1964 and 1965.

In the 1960s, the Laboratory relinquished the old TA-1 area for residential and commercial development. A new County Building near Ashley Pond was turned over to the county. Parts of TA-1 south of Trinity Drive were sold as commercial property, and by 1974, office buildings, a motel, gasoline station, and other commercial structures had been built.

Public concern over low-level contamination resulted in a resurvey of portions of TA-1 in 1974. The survey was hampered by development that had occurred on the land. The survey and clean-up lasted until 1976 and are documented in LA-6887 (LANL December 1977). As a result, about 15,000 cubic meters of contaminated or potentially contaminated material was removed to a radioactive disposal site. As contamination was found, it was removed down to low levels of activity, except in several inaccessible locations. Most contamination was associated with old acid waste lines, septic tanks, and other drains; however, some spots were found at which the origin could not be explained. The area surveyed and decontaminated probably had the highest probability for residual contamination; however, though surface reconnaissance was done in the other areas, the possibility for undetected subsurface contamination on private lands remains.

In addition, Trinity Drive may have some subsurface contamination. LA-6887 reads, "Some contamination may exist in the fill material under Trinity Drive. Construction debris (concrete supports, steam-pipe insulation, etc.) in the fill in the D-Building area was contaminated. The topography is such that debris from other areas could have been pushed over D-Building debris." (LANL December 1977)

3.1 History and Current Use

In the late 1940s and early 1950s, when LANL operations were centralized around Ashley Pond, Site 22 was the location of the machine shops. The shops were decommissioned and the buildings razed when TA-1 was relocated across Los Alamos Canyon to the current location at TA-3. Records indicate that the eastern portion of TA-1 (including the location of Site 22) was removed by the mid-1950s.

At present, a LANL air monitoring station is located at Site 22. The approval to use this site to house a Rad-NESHAP compliance station comes from an approved Federal Facility Compliance Agreement dated June 13, 1996. Figure 1 (see Appendix D) shows the location of the air monitoring station. The Laboratory is negotiating an access agreement with the County of Los Alamos to allow continued operation of the air monitoring station at or near its current location. Although Site 22 remains part of LANL it is not otherwise physically or operationally related to LANL. It is used by the public as an unsanctioned vehicle parking area.

Recreational potential for this site is minimal. A portion of the Los Alamos Bench Trail crosses the tract along Los Alamos Canyon to the south of the site and continues to the north. No other recreational related opportunities exist at the site.

3.2 Environmental Setting

Site 22 is currently surrounded by commercial properties. Vegetation in this tract consists primarily of native grasses, herbs, and shrubs. Fauna present is limited to those species able to coexist with extensive human development (for example, rats, mice, and songbirds). The site is not in a floodplain nor does it support wetlands. Habitat for the bald eagle and Mexican spotted owl overlaps this tract; however, habitat is poor due to the small tract area, intensive adjacent development, and nearby human populations. The tract does contain about 0.25 acres of identified area of environmental interest core habitat for the Los Alamos Canyon Mexican spotted owl. Because this tract contains an area of environmental interest for the Mexican Spotted Owl that might be affected by the proposed action (property transfer) the DOE and the UC consulted with the US Fish and Wildlife Service to assess those affects. The DOE and the FWS agreed that the Spotted Owl was not likely to be adversely affected by the proposed action and therefore, under Section 7 of the Endangered Species Act, no further action was required (i.e., no formal consultation was necessary).

Noise in the vicinity of this tract is from motorized vehicles and business operation in the area. Artificial light sources associated with commercial development and vehicles also are present.

3.2.1 Stormwater Runoff Patterns

Not applicable. There are no major surface water features associated with this site. There are no established drainage patterns crossing this tract, and any run-off from storm events enters Los Alamos Canyon and ultimately the Rio Grande.

3.2.2 Hazardous Materials and Waste Management

Not applicable. Other than activities associated with the machine shops, no current or historic hazardous waste generation or disposal are associated with this site. The Environmental Restoration Project removed a small volume of debris (less than 1 cubic yard) in July 2000. The debris, which consisted of wind-borne paper and trash, construction waste, and miscellaneous household items, was properly disposed as solid waste.

3.2.3 CERCLA-Related Contamination

None identified (see Appendix A). Site 22 contains no potential release sites (PRSs) within its boundaries. The only structure on the tract is an air monitoring station with a small access stairway.

3.2.4 Storage Tanks and Pipelines

None identified. Historical records do not indicate that storage tanks existed at this site.

3.2.5 Wastewater Treatment and Disposal

Not applicable. No current or historic wastewater treatment and disposal facilities are associated with this site.

3.2.6 Lead in Drinking Water

Not applicable. There are no water resources available at this site, and there are no known sources of potential lead contamination associated with this site.

3.2.7 Oil Water Separator

Not applicable. No current or historic uses of oil water separators are associated with this site.

3.2.8 Asbestos

Not applicable.

3.2.9 Air

Not applicable. There are no air emissions from the Manhattan Monument, and air quality permits are required for this site.

Air quality is good at Site 22, affected mostly by traffic on nearby Trinity Drive. Air quality is also affected, to a lesser extent, by emissions from LANL as a whole. Site 22 is part of New Mexico Region 3, an attainment area that meets National Ambient Air Quality Standards (NAAQS) for criteria pollutants. Except for small amounts of carbon monoxide and ozone resulting from hydrocarbons emitted from motor vehicles, there are no sources of criteria pollutants within the tract itself.

The data for the air sampling station located on the canyon edge of Site 22 can be found in several LANL publications, including the Environmental Surveillance Report and the Annual Rad-NESHAP Compliance Report. The data are also located on the LANL Air Quality Group web site at <http://www.air-quality.lanl.gov/>.

3.2.10 Lead-Based Paint Surveys and Other Sources of Lead

Not applicable. There are no known sources of lead at this site.

3.2.11 PCBs

Not applicable. There are no records of PCBs either being used or stored at this site.

3.2.12 Pesticides

Not applicable. There are no records of pesticides being used or stored at this site.

3.2.13 Medical Wastes

Not applicable. There are no records of medical wastes being generated or disposed at this site.

3.2.14 Ordnance

Not applicable. There are no records of ordnance being used, stored, or disposed at this site.

3.2.15 Radioactive Materials and Wastes

Not applicable.

3.2.16 Radon

Not applicable.

3.2.17 Groundwater

Not applicable. There are no supply or monitoring wells located on this site, and there is no known contamination at this site that would impact these resources.

3.3 Natural and Cultural Resources

This tract contains an Area of Ecological Interest for the Mexican Spotted Owl that may have been affected by the proposed action (property transfer). The DOE and the UC consulted with the US Fish and Wildlife Service to assess those affects. The DOE and the FWS agreed that the Spotted Owl was not likely to be adversely affected by the proposed action and therefore, under Section 7 of the Endangered Species Act, no further action was required (i.e., no formal consultation was necessary).

One hundred percent of Site 22 has been inventoried for historic and prehistoric cultural resources. None were found.

There are no known traditional cultural properties (TCPs) located in Site 22. Consultations to identify TCP resources have not been conducted. However, because of the tract's location and size, it has a low potential for unidentified resources.

There are no historic structures located on the tract. Site 22 is located on a mesa edge just north of Los Alamos Canyon. Prior to DOE use, this tract was part of the Ramon Vigil Spanish land grant. The region of influence for this tract includes the land tract itself, plus nearby cultural resources located off the tract. For this tract, these nearby resources are located on privately held land.

3.4 Identification of Uncontaminated Properties

Site 22, though potentially contaminated from activities conducted at TA-1 during the late 1940s and early 1950s, does not have environmental contamination as defined by CERCLA 120(h)(4).

3.5 All Other Properties

Not applicable. There are no other properties associated with this site.

4.0 Summary of Data for Adjacent Properties

The adjacent properties currently consist of a commercial storage business and a fast-food restaurant to the north and the Los Alamos Canyon to the south. Canyon rim exists to both the east and west. The Environmental Site Assessment (Appendix B) reviewed the appropriate ASTM records out to a distance of about 1 mile, as appropriate, to identify if hazardous sites or serious local environmental problems may exist on or immediately adjacent to the facility. None were found.

4.1 History and Current Use

The adjacent property was part of the historic Technical Area 1 or main technical area of Los Alamos National Laboratory during the late 1940s and early 1950s. This land was conveyed to Los Alamos County during the late 1950s and early 1960s and has subsequently been developed into commercial property.

4.2 Environmental Setting

The adjacent lands consist are industrialized and mostly paved.

4.3 Adjacent Properties with No Known or Suspected Releases

Not applicable. Though not identified as having environmental contamination as defined by CERCLA 120 (h)(4), these lands were part of the historic Technical Area 1 or main technical area of Los Alamos National Laboratory during the late 1940s and early 1950s. Though significant clean-up activities have taken place at TA-1, the potential for residual contamination still remains wherever past LANL operations took place.

4.4 Adjacent Properties with Known or Suspected Releases

See 4.3 above.

5.0 Conclusions and Recommended Courses of Action

DOE and UC health and safety professionals have reviewed environmental conditions at this parcel and have determined that no special precautions are required.

Based on best available environmental information, the University of California and the Department of Energy conclude that there are no outstanding environmental issues to prevent conveyance or transfer of this tract. DOE may issue deeds on the basis that "all remedial action necessary to protect human health and the environment have been taken".

5.1 Facility Matrix

Not applicable.

5.2 Property Categorization

Not applicable. All lands at Site 22 are categorized the same.

5.3 Resource Map

Not applicable. No hazardous materials were identified, and no wells are located on this property.

6.0 Certification of Environmental Baseline Survey

Los Alamos National Laboratory staff and Environmental Contractors conducted this Environmental Baseline Survey under direction and guidance of the Site-Wide Issues Program Office. The information contained in this document is accurate to the best of our knowledge.



Doris Garvey, Program Manager

Appendix A

CERCLA 120h

CERCLA 120(h) Report

Miscellaneous Site 22 Tract

Location: Los Alamos Townsite

Description: Site 22 is a small land parcel (less than half an acre) located at the edge of the townsite mesa, south of Trinity Drive and above Los Alamos Canyon. The parcel abuts privately-owned property that is currently developed as a commercial storage business located behind a McDonald's restaurant. The parcel currently has no public access, and it is undeveloped. A LANL air monitoring station, operated by the Air Quality Group (ESH-17) is located in the parcel.

History: The Site 22 parcel contains no potential release sites (PRSs) within its boundaries. Some construction debris was discovered onsite in 1998, but it is neither known nor suspected to have been generated as a result of historical or current LANL operations. Consequently, it was not technically within the scope of the ER Project to address it. Nevertheless, the ER Project removed the debris from the parcel in July 2000 and disposed of it as a non-hazardous, solid waste.

Is there any record of a hazardous substance having been stored on site?

No. There is no information that suggests that hazardous substances were ever stored on site.

Was the amount stored greater than or equal to 1,000 kg or the reportable quantity, whichever is greater?

Not Applicable.

Was the amount disposed of or released greater than or equal to the reportable quantity?

Not applicable.

Current Regulatory Status: The DOE believes that no further action (NFA) is required at this parcel. The parcel is not included in Module VIII (HSWA Module) of LANL's Hazardous Waste Facility Permit, and so it is not subject to regulation or oversight by the New Mexico Environment Department's (NMED) Hazardous and Radioactive Materials Bureau (HRMB).

Future Actions Required: None.

Appendix B

Environmental Assessment

ENVIRONMENTAL ASSESSMENT

Land Transfer Parcel, Site 22

**Prepared For: THE DEPARTMENT OF
ENERGY**

**On Behalf of: THE SITE-WIDE ISSUES
PROGRAM OFFICE**

September 21, 2001

EXECUTIVE SUMMARY

This report presents a findings summary for an assessment of the actual and potential environmental concerns associated with the Site 22 parcel located adjacent to Knecht Street in Los Alamos, NM. Exhibit 1 (at the end of this executive summary) provides a descriptive summary for the Site 22 parcel, and Exhibit 2 (also at the end of this executive summary) summarizes the known history of this site. Los Alamos National Laboratory conducted its assessment on July 30-31, 2000, and subsequently on September 14, 2001 at the request of the U.S. Department of Energy. The LANL site assessors for this assignment were Ms. Jennifer L. Pope and Ms. Virginia Smith.

This assessment (hereafter referred to as an environmental site assessment (ESA)) was conducted pursuant to a scope of work consistent with the American Society of Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-00); plus the addition of an off-site disposal practices review (including evaluating whether the subject site is listed as a potentially responsible party (PRP) at an off-site waste disposal site); and an examination of possible asbestos-containing materials (ACMs). A specific discussion of the tasks undertaken is set forth in Attachment A. LANL performed no soil, groundwater, surface water, air, building material, or other environmental sampling and analysis as part of this assessment.

It is LANL's understanding and agreement that the DOE may provide this report to the recipient of the subject parcel, as well as to the public. The parcel recipient may provide this report to third parties and other financing institutions and institutional lenders connected with the contemplated transaction (including, without limitation, any such party providing financing on or after consummation of the contemplated transaction and all assignees and participants of any of the foregoing), and that these parties may rely on the information in the report to the same extent as and subject to the same restrictions agreed to by DOE.

1.2 LIMITATIONS

All the information contained in this report, including any engineering conclusions, is based on the information made available to LANL's site assessor during the investigation, which we assume to have been provided in good faith. This report represents an assessment of the Site 22 parcel performed in accordance with generally accepted industry standards regarding environmental assessments. LANL makes no other representations whatsoever, including those concerning the legal significance of its findings or as to other legal matters touched on in this report, including, but not limited to ownership of any property or the application of any law to the facts set forth herein. Except as otherwise may be requested by DOE, LANL disclaims any obligation to update the report for events taking place after the time during which we conducted our assessment.

Exhibit 1. Site 22 Parcel Description Summary

# of Acres	# of Buildings (approx. total sq. ft)	# of Potential Release Sites (and remediation status)	Current Activities
less than 0.5	None	None. Non-LANL construction debris at this site has been cleaned up.	A LANL air monitoring station is located onsite.

Exhibit 2. Site 22 Parcel Site History Summary

<p>Site History Prior to LANL Occupancy</p>	<p>Prior to LANL occupancy (pre-1943), there was little development in this remote area. In 1918 Detroit businessman Ashley Pond purchased 800 acres from three homesteaders to begin the Los Alamos Ranch School for Boys. This is the only development in the area prior to LANL occupancy. During this period, most of the Ranch School's development was south of the pond at the center of Los Alamos. Fuller Lodge (built in 1928) and several other buildings were constructed to provide a framework for the school. Aerial photographs of the area and drawings associated with the Los Alamos Ranch School for Boys show a sparsely wooded site with no development at Site 22.</p>
<p>Site History After LANL's Occupancy</p>	<p>This parcel of land is small and adjacent to a highly developed area in Los Alamos. During the early days of the Manhattan Project, there was a great deal of LANL occupation of the townsite adjacent to this area. In general, residential housing was constructed north of Trinity Drive and LANL industrial buildings were constructed to the south. While aerial photos from this time show construction in the area, Site 22 remained a rocky, sparsely-vegetated outcropping. The lands surrounding Site 22 have since been transferred to Los Alamos County. Consequently, Site 22 is surrounded by county development and there has been little LANL activity at this site. As part of a sitewide air monitoring network, there is an air monitoring station located on this parcel. Results from this monitoring have been used in annual environmental surveillance reports on LANL activities.</p> <p>During the development of the Land Transfer Report to Congress in 1998, non-LANL construction debris was noted at the site. In July, 2000, the LANL ER Project removed the debris from the site. Less than a cubic yard of debris, consisting of McDonald's trash, an old rocking chair, cable, and other assorted items, was removed from this site and disposed as non-hazardous solid waste at the Los Alamos County landfill.</p>

ATTACHMENT A

ASSESSMENT METHODOLOGY

This environmental assessment, consistent with the ASTM Practice E 1527-00 (with added evaluations of ACMs, and possible wetland areas), consisted, in general, of the following steps:

- We met with the following individuals at LANL to discuss parcel-specific environmental and occupational health and safety (EH&S) issues:
 - Mr. Albert Dye, ESH-19, PCB Database Manager;
 - Ms. Debra Archuleta, ESH-17, Asbestos Program Manager;
 - Mr. David Ortiz and Ms. Josie Encinias, ESH-5, Asbestos Management Program;
 - Ms. Louann Romero, ESH-19, HSTD Database Manager;
 - Mr. Harvey Decker, ESH-18, SPCC and SWPPP Plans;
 - Mr. William Flor, HAZMAT Spills Database Manager;
 - Mr. Terry Rust, Environmental Restoration, Potential Release Sites; and
 - Ms. Jean Dewart, ESH-17, Air Quality Program.

- We visited the facility on July 30, 2000, and subsequently on September 10, 2001 to gather more detailed information concerning possible on-site contamination, and to determine the compliance status of the parcel. Before, during and immediately after the first site visit, we interviewed site personnel about past and present site operations, raw materials and waste management practices, and significant environmental liability problems, if any. We did not repeat these interviews in September 2001 because there are no ongoing LANL operations on or near the Site 22 parcel. We also observed actual site conditions in an attempt to identify and assess the status of potential liabilities such as past disposal areas, waste management units and systems, and sites of environmental releases.

- We reviewed ES&H-related files, correspondence, and other documents supplied by LANL.

- We visited both the Environmental Restoration Archives to review historical aerial photographs of the area, and to speak with Mr. Barry Drennon, who has some historical knowledge of the area.

- We visited the Los Alamos County Archives to view historical aerial photographs of the area, and to view maps and other items associated with the parcel prior to LANL occupation.

- We performed a walk-by and drive-by survey in July 2000 and again in September 2001, of the immediate neighboring properties from publicly accessible areas for obvious signs of environmental concerns and how those concerns may have environmentally degraded the property under study, and to assess the proximity of the subject property to sensitive ecological areas (e.g., wetlands).

- We reviewed a search conducted in September 2001 of the following computerized environmental databases to determine if hazardous sites or serious local environmental problems may exist on or immediately adjacent to the facility (see radius specifications):¹

¹The environmental database searches were completed for LANL by Environmental Data Resources. The database-specific radii specified for

Federal ASTM Records

- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) (subject site and 0.5-mile radius);
- Emergency Response Notification System (subject site only);
- National Priority List (NPL) and proposed NPL (subject site and 1-mile radius);
- RCRA Corrective Action Sites (CORRACTS) list (subject site and 1-mile radius);
- Resource Conservation and Recovery Information System (RCRIS) (subject site and 0.25-mile radius for generators and 0.5-mile radius for treatment, storage, and disposal facilities); and
- CERCLIS-No Further Remedial Action Planned (CERCLIS-NFRAP) (subject site and 0.25-mile radius).

Additional Federal Records

- Biennial Reporting System (subject site only);
- PCB Activity Database System (subject site only);
- RCRA Administrative Action Tracking System (RAATS) list (subject site only);
- Toxic Release Inventory System (subject site only);
- Facility Index Data Base System (FINDs) (subject site only);
- Consolidated Docket Enforcement System (subject site and company name only);
- Hazardous Materials Incident Reporting System (subject site only);
- Delisted NPL Sites (subject site and 1-mile radius);
- Federal Superfund Liens (subject site only);
- Superfund Consent Decrees (subject site and 1-mile radius);
- Toxic Substances Control Act data base (subject site only);
- Materials License Tracking System (subject site only);
- Mines Master Index File (subject site and 0.25-mile radius);
- Records of Decision data base (subject site and 2-mile radius); and
- FIFRA/TSCA Tracking System (FFTS) (subject site only).

State ASTM Records

- New Mexico State leaking underground storage tank (UST) database list (subject site and 0.5-mile radius);
- New Mexico State permitted solid waste facilities/landfill sites (subject site and 0.5-mile radius); and
- New Mexico State registered USTs (subject site and 0.25-mile radius).

Additional State Records

- New Mexico State Aboveground Storage Tanks (subject site only).

the searches either match the ASTM E 1527-97 requirements or are larger than specified in E 1527-00.

- We attempted to obtain and review historical Sanborn Fire Insurance land use maps to establish past land uses of the subject property and the surrounding area consistent with the requirements of ASTM Practice E 1527-00. Sanborn Fire Insurance land use maps were not available for this facility or the surrounding area.
- We reviewed historical aerial photographs available from public agency sources to establish past land uses of several of the subject properties and the surrounding areas consistent with the requirements of ASTM Practice E 1527-00. Aerial photographs dated 1946, 1958, 1974, and 2000 were available from the Environmental Restoration photographic archives or the Los Alamos County archives. The 1946, 1958 and 1974 photographs showed the subject property and the surrounding area in all compass directions (although all three photographs showed the surrounding areas to the east of the subject site).
- We located and reviewed abstracts of available historical city directories to establish past uses of several of the subject properties and the surrounding areas consistent with the requirements of ASTM Practice E 1527-00. A search of the county archives in Los Alamos, yielded no historical or current city directories for Los Alamos that gave addresses for the subject site. In most cases, city directories list names and phone numbers without the benefit of the listing address.
- We assessed possible issues of current or future environmental liability. This assessment evaluated operations, both past and present, with respect to: air pollution control (including, but not limited to, applicable requirements of the 1990 Clean Air Act Amendments); asbestos management; water supply and pollution control, including stormwater management; nonhazardous solid waste management; hazardous solid waste management; USTs; materials, products, and pesticide storage and handling practices (including Superfund Amendments and Reauthorization Act (SARA) Title III programs); polychlorinated biphenyls (PCBs) inventory management; past on-site or off-site waste disposal practices; and occupational safety and health (including hazards communication).
- We completed an assessment of the facility's potentially significant liabilities under the Superfund statute and related state statutes pertaining to potential on-site contamination and related to the off-site disposal of wastes.
- LANL performed no soil, groundwater, surface water, air, building material, or other environmental sampling and analysis as part of this environmental assessment. LANL did, however, review environmental surveillance, monitoring, and sampling results that have been collected over time and that were relevant to the parcel.

ATTACHMENT B

ISSUES SUMMARY

Exhibit 3

**Summary of Environmental Assessment Results for Site 22
Adjacent to Knecht Road, Los Alamos, NM**

AREA	ISSUE	COMMENT/RECOMMENDATION/LIABILITY/COST
Air Pollution Control	There is no historical record of air pollutants being emitted from any operation or facility within this parcel.	<p>A LANL air monitoring station is currently located on this land parcel and it will continue to operate for the foreseeable future.</p> <p>Air monitoring data collected at this station have been reported in the Laboratory's environmental surveillance reports. All air monitoring results from this station are in compliance with applicable federal and state ambient air quality standards.</p>
Asbestos Management	There appear to be no environmental liability issues associated with asbestos management on this parcel.	There are four semi-trailers and eight transportainers located on the subject property, but there is no indication that any of them contain friable asbestos, and no suspected ACM was observed during the site visits. Asbestos-containing materials, therefore, are not of concern at this parcel.
Water Supply and Pollution Control, Including Stormwater Management	There appear to be no environmental liability issues concerning the water supply to or the wastewater discharges from this parcel.	<p>There is no water supply on this land parcel. Los Alamos County services are available. There are and have been no water supply wells located on-site. There neither is nor has been wastewater discharged to the County's sanitary sewer system; there are and have been no septic systems on-site. There are and have been no process-related water uses on this parcel.</p> <p>LANL has a multisector stormwater permit that includes stormwater management at this site. Stormwater moves off the site by sheet flow in a southern direction into Los Alamos Canyon.</p>

Nonhazardous Solid Waste Management	There appear to be no environmental liability issues associated with LANL's non-hazardous waste management practices within the parcel.	There has been no historical generation of non-hazardous waste on this parcel. Non-LANL construction debris was found on the parcel in 1998; the generator of this waste was unknown. In July 2000, the LANL ER Project conducted a cleanup of this debris. These materials (< 1 cubic yard) – consisting primarily of McDonald's wrappers and a rocking chair – were disposed as non-hazardous solid waste in the Los Alamos County Landfill, NM.
Hazardous Solid Waste Management	There appear to be no environmental liability issues associated with hazardous waste management practices within the parcel.	No hazardous wastes are currently managed on this parcel, and there has been no known past management of hazardous wastes on this parcel.
Underground Storage Tanks	There appear to be no environmental liability issues associated with USTs at this facility.	There is no historical record, employee recollection, or visible indication that there are or were USTs in service on this property. There is no plan to install any USTs.
Materials, Products, and Pesticide Handling and Storage Practices	There appear to be no environmental liability issues associated with current materials, products, and pesticide handling and storage practice at this facility.	LANL is current with its Tier II and Form R reporting under SARA Title III. According to Tier II and Form R annual reports, there are no hazardous materials or extremely hazardous substances stored on the Site 22 parcel. Pesticides are neither stored nor used at the site.
PCB Inventory Management	There appear to be no environmental liability issues associated with PCB inventory management at the Site 22 parcel.	LANL's PCB database shows that no PBC-containing equipment was used, stored or disposed on this parcel.
Potential On-Site Contamination and Waste Disposal	There is no record, employee recollection, or visible indication that waste materials (other than the non-LANL construction debris, described above) have been disposed on the subject property. The site address is currently not listed on the proposed or final NPL, in the CERCLIS or CERCLIS-NFRAP databases, or on the State's list of designated potential hazardous waste disposal sites. No USTs are known to have been located on this property. In addition, the site address is currently not listed in the state or federal reportable spills databases, and there was no visible evidence of any spills or releases.	On the days of the site visits, there was no unusually altered topography, unusually stressed vegetation, soil staining, unexplained cuts in the pavement, unusual ground depressions, or other visible indications of past spills, releases, or waste disposal. Site contacts reported experiencing no reportable spills or releases.
Past Off-Site Waste Disposal	To the best of LANL 's Hazardous Waste Group's (ESH-19) knowledge, no issues or concerns have been raised regarding LANL's past off-site waste disposal practices.	None of the off-site disposal facilities known to have received hazardous or non-hazardous wastes from LANL is currently listed on the proposed or final NPL, in the federal

	<p>This facility has not received or filed notifications under the Comprehensive Environmental Response, Compensation, and Liability Act related to the disposal of any hazardous substances, and is currently not listed in the SETS database as a PRP at any NPL or non-NPL site.</p>	<p>CERCLIS or CERCLIS-NFRAP databases, or in the respective state databases that are the equivalent of the federal CERCLIS and NPL databases.</p>
<p>Environmental Data Base Search Results</p>	<p>No apparent environmental liabilities were identified in any of the federal or state environmental databases searched for this assessment (see Attachment A).</p>	<p>The database search to assess whether environmental conditions on the subject property have been affected by any off-site source or sources identified 10 mappable sites as being within the designated search radii. (NOTE: The term "mappable" means that the address information provided is sufficient for the database search vendor to pinpoint the site's location on a street map with a high degree of confidence). One of these sites was DOA-LAAO, which is listed in the RCRA Corrective Action database. Three sites were listed as RCRA small-quantity generators: Mountain Air Dry Cleaners, Knecht Automotive, and Kwik Lube; no violations were noted at any of these facilities.. Four sites have registered underground storage tanks, and another two sites were listed because of reported leaking underground storage tanks. At both of these two sites the situation is resolved and no further action is required.</p> <p>Given the database search results and based on an inspection of the surrounding properties from publicly accessible areas, none of the neighboring operations is believed to pose a significant potential concern for environmental conditions on the subject property.</p> <p>The environmental database search also identified 12 "orphan" sites (i.e., sites not mapped by the database search vendor because of poor or inadequate address information). Based on the area tour, only two of these listed "orphan" sites are believed to be located within 1 mile of the subject property and none is believed to pose a potential concern for environmental conditions on the subject property.</p>



The EDR Radius Map with GeoCheck®

**Site 22
Site 22
Los Alamos, NM 87544
Inquiry Number: 679255.1s**

September 11, 2001

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

SITE 22
LOS ALAMOS, NM 87544

COORDINATES

Latitude (North): 35.878600 - 35° 52' 43.0"
Longitude (West): 106.297600 - 106° 17' 51.4"
Universal Transverse Mercator: Zone 13
UTM X (Meters): 382865.5
UTM Y (Meters): 3971060.8

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2435106-H3 GUAJE MOUNTAIN, NM
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list.
SWF/LF..... Solid Waste Facilities

FEDERAL ASTM SUPPLEMENTAL

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

EXECUTIVE SUMMARY

ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... Aboveground Storage Tanks List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the target property includes a tolerance of +/- 10 feet. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in *bold italics* are in multiple databases.

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

FEDERAL ASTM STANDARD

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/27/2001 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>US DOE LOS ALAMOS SCIENTIFIC L</i>	<i>528 35TH ST</i>	<i>1/2 - 1</i>	<i>WNW 10</i>	<i>8</i>

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/21/2000 has revealed that there are 3 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>KNECHT AUTOMOTIVE INC</i>	<i>201 KNECHT ST</i>	<i>0 - 1/8</i>	<i>ENE A1</i>	<i>5</i>

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
KWIK LUBE	305 KNECHT ST	0 - 1/8 NE	A2	5
MOUNTAIN AIR DRY CLEANERS	1324 17TH ST	1/8 - 1/4WNW	7	7

STATE ASTM STANDARD

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the New Mexico Environmental Department's List of Past & Current Leak Sites by Location.

A review of the LUST list, as provided by EDR, and dated 01/26/2001 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
US WEST COMM	1907 TRINITY DRIVE	1/4 - 1/2WNW	8	7
WATERCHRIS/HILL	TRINITY / CENTRAL	1/4 - 1/2ENE	9	7

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the New Mexico Environmental Department's Listing of Underground Storage Tanks.

A review of the UST list, as provided by EDR, and dated 01/26/2001 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

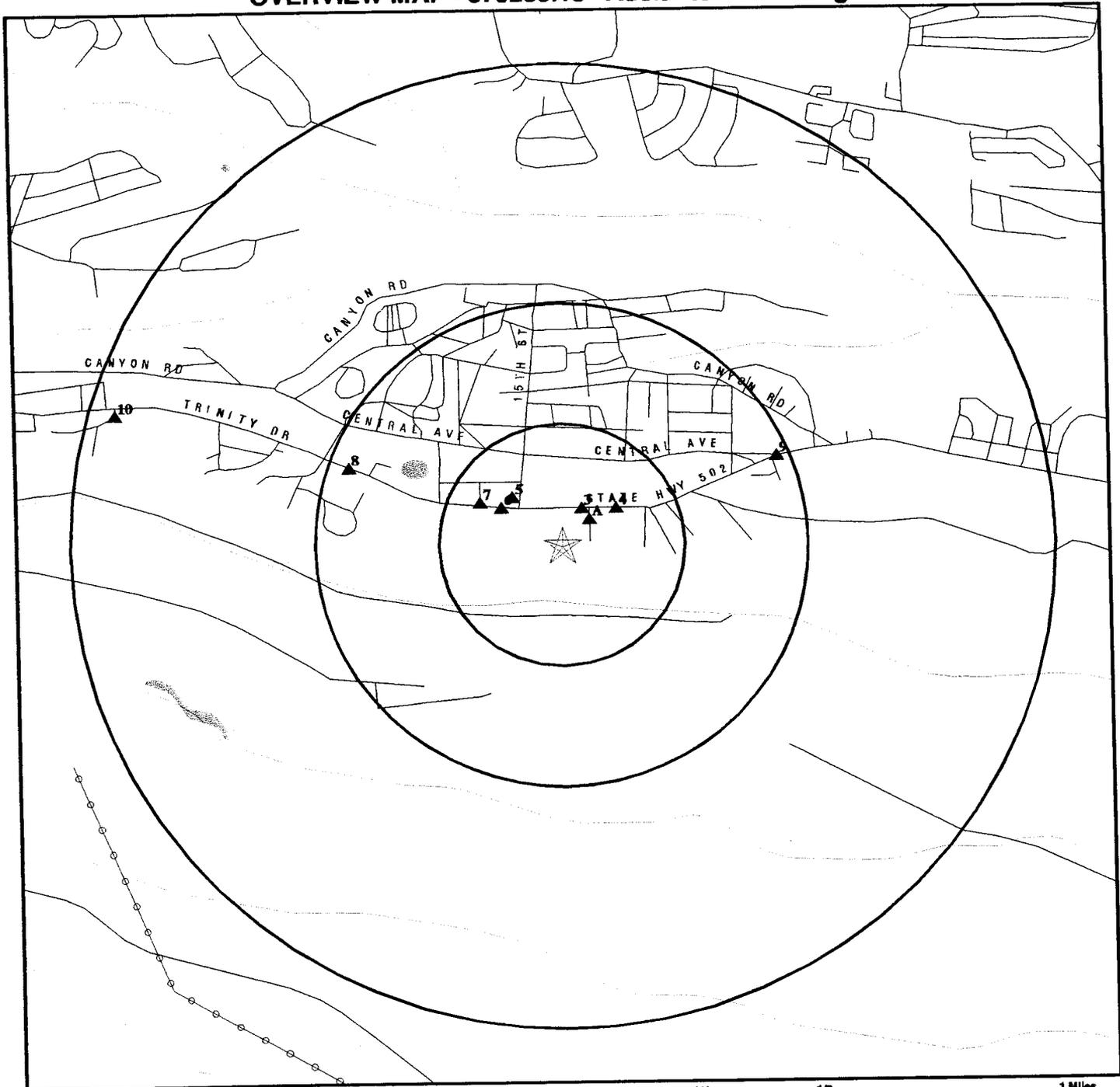
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FLEET MANAGEMENT SHOPS	901 TRINITY DR	0 - 1/8 NNE	3	5
LOS ALAMOS SCHOOL BOARD	751 TRINITY DRIVE	1/8 - 1/4NE	4	6
SHANNON CORP	1240 TRINITY	1/8 - 1/4NW	5	6
LOS ALAMOS SHAMROCK	1237 TRINITY DR	1/8 - 1/4WNW	6	6

EXECUTIVE SUMMARY

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

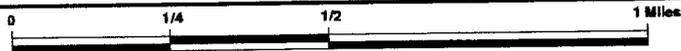
<u>Site Name</u>	<u>Database(s)</u>
LOS ALAMOS PUBLIC SCHOOLS	FINDS, FTTS, LUST
LANL AREA J LANDFILL	SWF/LF
COMMUNITY CENTER	LUST
LANL TA3-36-3	LUST
LANL TA-21	LUST
LANL TA-15	LUST
SHANNON CORP.	LUST
LOS ALAMOS COMMUNITY CENTER	UST
METZGER STORES (A)	UST
WATERCHRIS DBA HILLTOP HOUSE	UST
POWER PLANT AT TECHNICAL AREA #3 SM 22	ERNS
TECHNICAL AREA 36 SITE 8 LOS ALAMOS NATL LAB	ERNS

OVERVIEW MAP - 679255.1s - Adelante Consulting



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- ▨ National Priority List Sites
- Landfill Sites

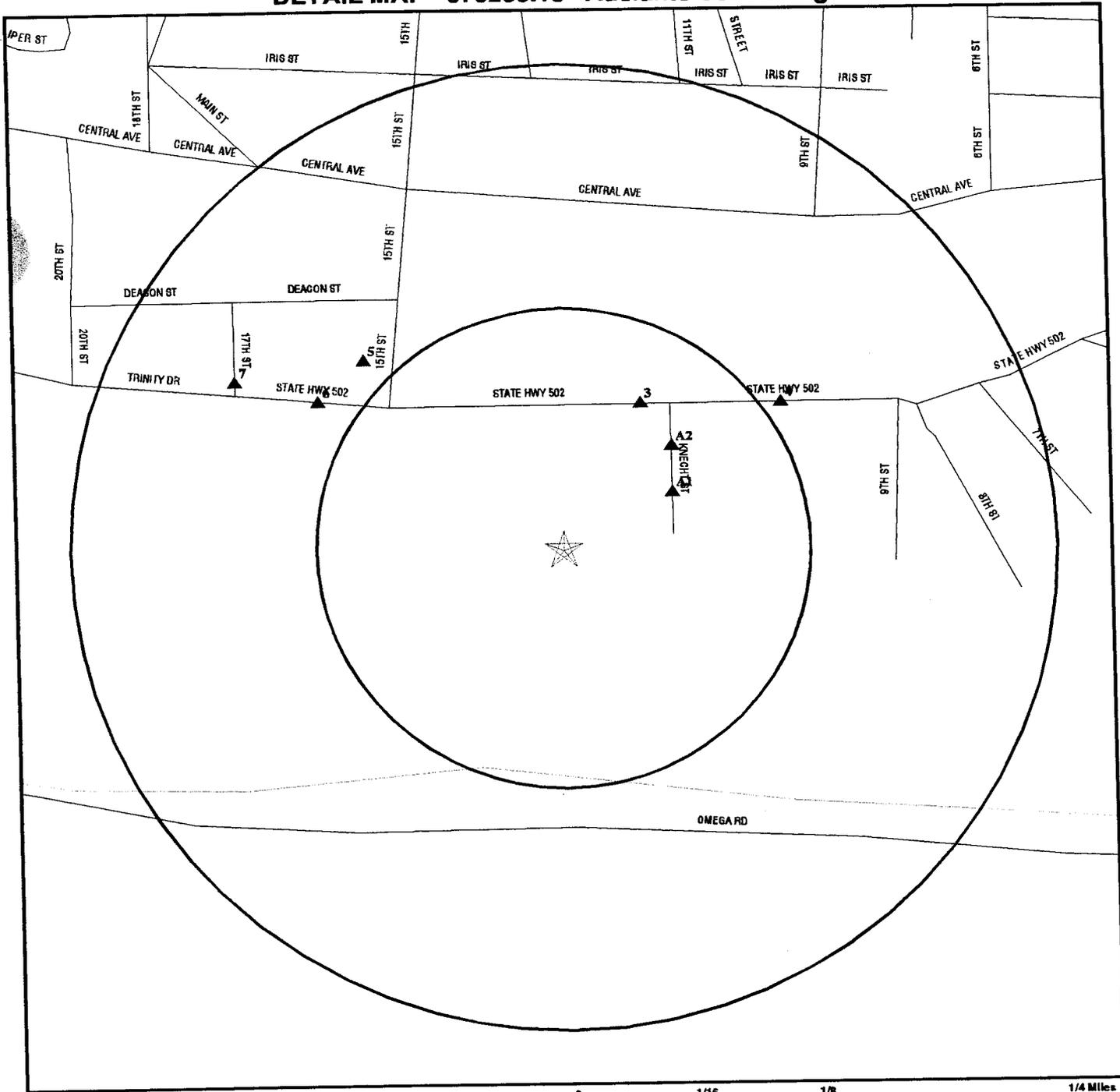
- ⚡ Power transmission lines
- 〰 Oil & Gas pipelines
- ▨ Wetlands



TARGET PROPERTY: Site 22
 ADDRESS: Site 22
 CITY/STATE/ZIP: Los Alamos NM 87544
 LAT/LONG: 35.8786 / 106.2976

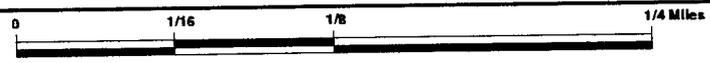
CUSTOMER: Adelante Consulting
 CONTACT: Virginia Smith
 INQUIRY #: 679255.1s
 DATE: September 11, 2001 1:30 pm

DETAIL MAP - 679255.1s - Adelante Consulting



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- ⚡ Sensitive Receptors
- ☐ National Priority List Sites
- ☐ Landfill Sites

- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ☐ Wetlands



<p>TARGET PROPERTY: Site 22 ADDRESS: Site 22 CITY/STATE/ZIP: Los Alamos NM 87544 LAT/LONG: 35.8786 / 106.2976</p>	<p>CUSTOMER: Adelante Consulting CONTACT: Virginia Smith INQUIRY #: 679255.1s DATE: September 11, 2001 1:30 pm</p>
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	1	NR	1
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	2	1	NR	NR	NR	3
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	2	NR	NR	2
UST		0.250	1	3	NR	NR	NR	4
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
AST		TP	NR	NR	NR	NR	NR	0

EDR PROPRIETARY DATABASES

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

Database(s) EDR ID Number
 EPA ID Number

Coal Gas Site Search: EDR does not presently have coal gas site information available in this state.

A1 ENE < 1/8 333 Higher	KNECHT AUTOMOTIVE INC 201 KNECHT ST LOS ALAMOS, NM 87544 Site 1 of 2 in cluster A	RCRIS-SQG FINDS	1000911706 NM0000367441
---	--	----------------------------------	--

RCRIS:
 Owner: CLINTON KNECHT
 (505) 662-9743

 Contact: LARRY KNECHT
 (505) 662-9743

 Record Date: 06/13/1994
 Classification: Small Quantity Generator
 Used Oil Recyc: No

 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 RCRIS

A2 NE < 1/8 408 Higher	KWIK LUBE 305 KNECHT ST LOS ALAMOS, NM 87544 Site 2 of 2 in cluster A	RCRIS-SQG FINDS	1000469294 NMD986673390
--	--	----------------------------------	--

RCRIS:
 Owner: FIDEL NARANJO
 (505) 662-6266

 Contact: FIDEL NARANJO
 (505) 662-6266

 Record Date: 05/26/1995
 Classification: Conditionally Exempt Small Quantity Generator
 Used Oil Recyc: No

 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 RCRIS

3 NNE < 1/8 454 Higher	FLEET MANAGEMENT SHOPS 901 TRINITY DR LOS ALAMOS, NM 87544	UST	U001891431 N/A
--	---	------------	---------------------------------

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation		Database(s)	EDR ID Number EPA ID Number
--	--	-------------	--------------------------------

FLEET MANAGEMENT SHOPS (Continued)

U001891431

UST:
 Facility ID: 28061
 Total Tanks: 0
 Owner ID: 14932
 Old Facility Id: 4207002
 Contact: ANGELINA MARTINEZ
 Owner: LOS ALAMOS COUNTY ATTN FLEET MANAGEMENT
 Owner Address: 901 TRINITY DRIVE
 LOS ALAMOS, NM 87544

4
NE
1/8-1/4
712
Higher

LOS ALAMOS SCHOOL BOARD
751 TRINITY DRIVE
LOS ALAMOS, NM 87544

UST U001891689
N/A

UST:
 Facility ID: 29151
 Total Tanks: 0
 Owner ID: 15073
 Old Facility Id: 4641001
 Contact: THOMAS CHAFFIN
 Owner: LOS ALAMOS SCHOOL BOARD
 Owner Address: 751 TRINITY DRIVE
 LOS ALAMOS, NM 87544

5
NW
1/8-1/4
742
Higher

SHANNON CORP
1240 TRINITY
LOS ALAMOS, NM 87544

UST U003192094
N/A

UST:
 Facility ID: 30562
 Total Tanks: 0
 Owner ID: 15099
 Old Facility Id: 4789001
 Contact: ELMO BACA
 Owner: C DE BACA ELMO
 Owner Address: 1247 EAST CENTRAL AVE
 LOS ALAMOS, NM 87544

6
WNW
1/8-1/4
768
Higher

LOS ALAMOS SHAMROCK
1237 TRINITY DR
LOS ALAMOS, NM 87544

UST U000374169
N/A

UST:
 Facility ID: 29152
 Total Tanks: 3
 Owner ID: 15396
 Old Facility Id: 5531001
 Contact: A G COOK
 Owner: MITCHELL PETROLEUM INC
 Owner Address: PO BOX 5133
 A G COOK

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

LOS ALAMOS SHAMROCK (Continued)

SANTA FE, IM 87502

Database(s) EDR ID Number
EPA ID Number

U000374169

7
WNW
1/8-1/4
989
Higher

MOUNTAIN AIR DRY CLEANERS
1324 17TH ST
LOS ALAMOS, NM 87544

RCRIS-SQG 1000870956
FINDS NMD986684496

RCRIS:

Owner: DICK BEAVDOIN
(505) 662-5885
Contact: DICK BEAVDOIN
(505) 662-5885
Record Date: 06/09/1993
Classification: Small Quantity Generator
Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
AIRS Facility System (AIRS/AFS)
RCRIS

8
WNW
1/4-1/2
2422
Higher

US WEST COMM
1907 TRINITY DRIVE
LOS ALAMOS, NM

LUST S101647467
N/A

LUST:

Form Number: 1561
Priority Rank: Not reported
Facility ID: 29148
Status: No Further Action
Score Total: 0
Tie Score: 138
Aggravating Factor Score: 2
Mitigating Factor Score: 3
Water Supply Impact: No
Property Damage Impacts: No
Highly Contaminated Soils: No
Project Manager: Kathy Garland
Date Release Reported: 22-OCT-92
Product: Diesel
Responsible Party Name: US WEST
Water Supply Impact: No
Ground Water Impact: No

9
ENE
1/4-1/2
2512
Higher

WATERCHRIS/HILL
TRINITY / CENTRAL
LOS ALAMOS, NM

LUST S101647468
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

WATERCHRIS/HILL (Continued)

EDR ID Number
EPA ID Number

Database(s)

S101647468

LUST:
Form Number: 1609
Priority Rank: Not reported
Facility ID: 31554
Status: No Further Action
Score Total: 0
Tie Score: 118
Aggravating Factor Score: 0
Mitigating Factor Score: 0
Water Supply Impact: No
Property Damage Impacts: No
Highly Contaminated Soils: No
Project Manager: Patrick DeGruyter
Date Release Reported: 13-NOV-92
Product: Gasoline
Responsible Party Name: R E WATERMAN
Water Supply Impact: No
Ground Water Impact: No

10
WNW
1/2-1
4997
Higher

**US DOE LOS ALAMOS SCIENTIFIC LABORATORY
528 35TH ST
LOS ALAMOS, NM 87544**

**PADS 1000881941
CERCLIS NM0890010515
FINDS
RCRIS-LQG
RCRIS-TSD
CORRACTS
CA HAZNET**

CERCLIS Classification Data:

Site Incident Category: Not reported
Non NPL Status: PN
Ownership Status: Federally Owned
Contact: Stan Hitt
Contact Title: Not reported
Federal Facility: Federal Facility
NPL Status: Not on the NPL
Contact Tel: (214) 665-6735

CERCLIS Assessment History:

Assessment: DISCOVERY
Assessment: PRELIMINARY ASSESSMENT
Completed: 10/01/1980
Completed: 06/01/1984

CERCLIS Site Status:

Low

CORRACTS Data:

EPA Id: NM0890010515
Region: 06
State: NM
Area Name: ENTIRE FACILITY
CORRACT Event Code: CA750IN
Original Scheduled Date: Not reported
New Scheduled Date: Not reported
Actual Date: 07/29/1997

RCRIS Corrective Action Summary:

Effective Date: 05/23/1990
Legal Authority: RCRA 3004(u) or equivalent

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

RCRIS:

Owner: UNITED STATES DEPARTMENT OF ENERGY
 (505) 667-5288

Contact: PAUL SCHUMANN
 (505) 665-5027

Record Date: 08/18/1980

Classification: Large Quantity Generator, TSDF, Hazardous Waste Transporter

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1997

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	70142.66	D002	106260.85
D003	234956.92	D004	63981.30
D005	58809.45	D006	51946.40
D007	93662.60	D008	394515.33
D009	62181.42	D010	8300.64
D011	8486.06	D012	0.04
D013	7.00	D014	0.04
D016	135.72	D018	1668.13
D019	13246.38	D020	0.04
D021	778.84	D022	2711.10
D026	775.94	D027	108.28
D028	15288.97	D029	15062.59
D030	7940.28	D031	7.04
D032	1030.83	D033	1867.47
D034	0.11	D035	1869.19
D036	21.08	D037	2.29
D038	298.80	D039	12.10
D040	311.34	D042	14.98
D043	54.89	F001	1044.78
F002	120620.65	F003	7921.65
F004	2872.01	F005	9788.74
F007	54.56	F027	4.40
K044	1606.00	P003	0.33
P030	4.60	P056	5.48
P076	5.48	P087	0.00
P105	0.53	U002	495.79
U007	30.18	U019	1.19
U037	1.19	U044	208.58
U045	221.03	U072	0.29
U075	221.03	U080	207.39
U110	0.02	U122	0.20
U188	75.83	U213	14.30
U220	18.33	U223	17.58
U226	23.89	U404	0.02

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements
Date Violation Determined:	03/05/1990
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	10/04/1995

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Enforcement Action: Initial Formal Notice of Non-compliance
Enforcement Action Date: 10/01/1992
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Land Ban Requirements
Date Violation Determined: 10/01/1992
Priority of Violation: High
Schedule Date to Achieve Compliance: 11/01/1992
Actual Date Achieved Compliance: 10/04/1995

Enforcement Action: Initial Formal Notice of Non-compliance
Enforcement Action Date: 10/01/1992
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Groundwater Monitoring Requirements
Date Violation Determined: 08/08/1988
Priority of Violation: Low
Schedule Date to Achieve Compliance: 01/02/1989
Actual Date Achieved Compliance: 01/11/1989

Enforcement Action: EPA Referral to State
Enforcement Action Date: 09/19/1988
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Closure/Post Closure Requirements
Date Violation Determined: 08/08/1988
Priority of Violation: Low
Schedule Date to Achieve Compliance: 01/02/1989
Actual Date Achieved Compliance: 01/11/1989

Enforcement Action: EPA Referral to State
Enforcement Action Date: 09/19/1988
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Groundwater Monitoring Requirements
Date Violation Determined: 08/08/1988
Priority of Violation: Low
Schedule Date to Achieve Compliance: 01/02/1989
Actual Date Achieved Compliance: 01/11/1989

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 08/30/1988
Proposed Monetary Penalty: \$ 51,495.00
Final Monetary Penalty: \$ 51,495.00

Enforcement Action: EPA Referral to State
Enforcement Action Date: 09/19/1988
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Closure/Post Closure Requirements
Date Violation Determined: 08/08/1988
Priority of Violation: Low

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Schedule Date to Achieve Compliance: 01/02/1989
Actual Date Achieved Compliance: 01/11/1989

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 08/30/1988
Proposed Monetary Penalty: \$ 51,495.00
Final Monetary Penalty: \$ 51,495.00

Enforcement Action: EPA Referral to State
Enforcement Action Date: 09/19/1988
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Closure/Post Closure Requirements
Date Violation Determined: 08/07/1989
Priority of Violation: Low
Schedule Date to Achieve Compliance: 11/13/1989
Actual Date Achieved Compliance: 11/14/1989

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 08/30/1988
Proposed Monetary Penalty: \$ 51,495.00
Final Monetary Penalty: \$ 51,495.00

Enforcement Action: Written Informal
Enforcement Action Date: 10/11/1989
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 08/07/1989
Priority of Violation: Low
Schedule Date to Achieve Compliance: 11/13/1989
Actual Date Achieved Compliance: 11/14/1989

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 08/30/1988
Proposed Monetary Penalty: \$ 51,495.00
Final Monetary Penalty: \$ 51,495.00

Enforcement Action: Written Informal
Enforcement Action Date: 10/11/1989
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 08/07/1989
Priority of Violation: Low
Schedule Date to Achieve Compliance: 11/13/1989
Actual Date Achieved Compliance: 11/14/1989

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 08/30/1988
Proposed Monetary Penalty: \$ 51,495.00
Final Monetary Penalty: \$ 51,495.00

Enforcement Action: EPA Referral to State
Enforcement Action Date: 10/11/1989
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	08/07/1989
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	11/13/1989
Actual Date Achieved Compliance:	11/14/1989
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	08/30/1988
Proposed Monetary Penalty:	\$ 51,495.00
Final Monetary Penalty:	\$ 51,495.00
Enforcement Action:	EPA Referral to State
Enforcement Action Date:	10/11/1989
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/05/1990
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/21/1990
Actual Date Achieved Compliance:	07/31/1990
Enforcement Action:	Written Informal
Enforcement Action Date:	06/18/1990
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/05/1990
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/21/1990
Actual Date Achieved Compliance:	07/31/1990
Enforcement Action:	Written Informal
Enforcement Action Date:	06/18/1990
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	04/29/1991
Priority of Violation:	High
Schedule Date to Achieve Compliance:	06/28/1991
Actual Date Achieved Compliance:	07/01/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	05/24/1991
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	04/29/1991
Priority of Violation:	High
Schedule Date to Achieve Compliance:	06/28/1991
Actual Date Achieved Compliance:	07/01/1991
Enforcement Action:	Written Informal
Enforcement Action Date:	05/24/1991

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 05/05/1992
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/01/1993
Actual Date Achieved Compliance: 01/01/1993

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 01/28/1993
Proposed Monetary Penalty: \$ 1,636,105.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 05/05/1992
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/01/1993
Actual Date Achieved Compliance: 01/01/1993

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 01/28/1993
Proposed Monetary Penalty: \$ 1,636,105.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 05/05/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: 01/01/1993
Actual Date Achieved Compliance: 01/01/1993

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 01/28/1993
Proposed Monetary Penalty: \$ 1,636,105.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 05/06/1992
Priority of Violation: High
Schedule Date to Achieve Compliance: 03/15/1993
Actual Date Achieved Compliance: 09/03/1992

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 01/28/1993
Proposed Monetary Penalty: \$ 1,636,105.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 05/07/1992
Priority of Violation: High
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 09/03/1992

Enforcement Action: Initial Formal Notice of Non-compliance
Enforcement Action Date: 10/01/1992
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	05/07/1992
Priority of Violation:	High
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	09/03/1992
Enforcement Action:	Initial Formal Notice of Non-compliance
Enforcement Action Date:	10/01/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	05/06/1992
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	09/03/1992
Enforcement Action:	Initial Formal Notice of Non-compliance
Enforcement Action Date:	10/01/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	05/07/1992
Priority of Violation:	High
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	09/03/1992
Enforcement Action:	Initial Formal Notice of Non-compliance
Enforcement Action Date:	10/01/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	05/07/1992
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	09/03/1992
Enforcement Action:	Initial Formal Notice of Non-compliance
Enforcement Action Date:	10/01/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	05/07/1992
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	09/03/1992
Enforcement Action:	Initial Formal Notice of Non-compliance
Enforcement Action Date:	10/01/1992
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Date Violation Determined: 05/05/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: Not reported
Actual Date Achieved Compliance: 09/03/1992

Enforcement Action: Initial Formal Notice of Non-compliance
Enforcement Action Date: 10/01/1992
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 05/07/1992
Priority of Violation: Low
Schedule Date to Achieve Compliance: 03/15/1993
Actual Date Achieved Compliance: 03/15/1993

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 01/28/1993
Proposed Monetary Penalty: \$ 1,636,105.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 05/06/1992
Priority of Violation: High
Schedule Date to Achieve Compliance: 03/15/1993
Actual Date Achieved Compliance: 03/15/1993

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 01/28/1993
Proposed Monetary Penalty: \$ 1,636,105.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Land Ban Requirements
Date Violation Determined: 05/07/1992
Priority of Violation: High
Schedule Date to Achieve Compliance: 03/15/1993
Actual Date Achieved Compliance: 11/17/1993

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 01/28/1993
Proposed Monetary Penalty: \$ 1,636,105.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/01/1993
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994

Enforcement Action: Consent Decrees
Enforcement Action Date: 12/10/1993
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: \$ 700,000.00

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/01/1993
Priority of Violation: High

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994

Enforcement Action: Consent Decreases
Enforcement Action Date: 12/10/1993
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: \$ 700,000.00

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/06/1994
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994

Enforcement Action: Consent Decreases
Enforcement Action Date: 12/10/1993
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: \$ 700,000.00

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/06/1994
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 09/02/1994
Proposed Monetary Penalty: \$ 247,177.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/01/1993
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 09/02/1994
Proposed Monetary Penalty: \$ 247,177.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/01/1993
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 09/02/1994
Proposed Monetary Penalty: \$ 247,177.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/01/1993
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 09/02/1994
Proposed Monetary Penalty: \$ 247,177.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/01/1993
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 09/02/1994
Proposed Monetary Penalty: \$ 247,177.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/06/1994
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 09/02/1994
Proposed Monetary Penalty: \$ 247,177.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/06/1994
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 09/02/1994
Proposed Monetary Penalty: \$ 247,177.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/01/1993
Priority of Violation: High
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 09/02/1994
Proposed Monetary Penalty: \$ 247,177.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/01/1993
Priority of Violation: Low
Schedule Date to Achieve Compliance: 10/05/1994
Actual Date Achieved Compliance: 10/05/1994
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 09/02/1994

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Proposed Monetary Penalty:	\$ 247,177.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements
Date Violation Determined:	11/01/1993
Priority of Violation:	High
Schedule Date to Achieve Compliance:	10/05/1994
Actual Date Achieved Compliance:	10/05/1994
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	09/02/1994
Proposed Monetary Penalty:	\$ 247,177.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements
Date Violation Determined:	07/06/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	10/05/1994
Actual Date Achieved Compliance:	10/05/1994
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	09/02/1994
Proposed Monetary Penalty:	\$ 247,177.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	07/06/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	10/05/1994
Actual Date Achieved Compliance:	10/05/1994
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	09/02/1994
Proposed Monetary Penalty:	\$ 247,177.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	11/01/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	01/30/1994
Actual Date Achieved Compliance:	01/30/1994
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	09/02/1994
Proposed Monetary Penalty:	\$ 247,177.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	07/06/1994
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	10/05/1994
Actual Date Achieved Compliance:	10/05/1994
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	09/02/1994
Proposed Monetary Penalty:	\$ 247,177.00
Final Monetary Penalty:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Regulation Violated: Not reported
Area of Violation: Generator-Land Ban Requirements
Date Violation Determined: 08/12/1994
Priority of Violation: High
Schedule Date to Achieve Compliance: 09/15/1994
Actual Date Achieved Compliance: 01/30/1995
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 08/12/1994
Proposed Monetary Penalty: \$ 26,040.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 08/12/1994
Priority of Violation: High
Schedule Date to Achieve Compliance: 09/15/1994
Actual Date Achieved Compliance: 01/30/1995
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 08/12/1994
Proposed Monetary Penalty: \$ 26,040.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: Low
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1996
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995
Proposed Monetary Penalty: \$ 103,539.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/22/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 04/26/1995
Actual Date Achieved Compliance: 04/26/1995
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 03/22/1995

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1996
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	03/22/1995
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	04/26/1995
Actual Date Achieved Compliance:	04/26/1995
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	03/22/1995
Proposed Monetary Penalty:	\$ 103,539.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	11/30/1995
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/03/1996
Actual Date Achieved Compliance:	01/03/1996
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	11/30/1995
Proposed Monetary Penalty:	\$ 14,795.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Land Ban Requirements

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Date Violation Determined: 11/30/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/03/1996
Actual Date Achieved Compliance: 01/03/1996
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 11/30/1995
Proposed Monetary Penalty: \$ 14,795.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/30/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/03/1996
Actual Date Achieved Compliance: 01/03/1996
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 11/30/1995
Proposed Monetary Penalty: \$ 14,795.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/30/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/03/1996
Actual Date Achieved Compliance: 01/03/1996
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 11/30/1995
Proposed Monetary Penalty: \$ 14,795.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 11/30/1995
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/03/1996
Actual Date Achieved Compliance: 01/03/1996
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 11/30/1995
Proposed Monetary Penalty: \$ 14,795.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-Land Ban Requirements
Date Violation Determined: 11/30/1995
Priority of Violation: Low
Schedule Date to Achieve Compliance: 01/03/1996
Actual Date Achieved Compliance: 01/03/1996
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 11/30/1995
Proposed Monetary Penalty: \$ 14,795.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-Land Ban Requirements
Date Violation Determined: 07/12/1996
Priority of Violation: Low

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Schedule Date to Achieve Compliance: 08/05/1996
Actual Date Achieved Compliance: 07/30/1996
Enforcement Action: Written Informal
Enforcement Action Date: 07/12/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 07/12/1996
Priority of Violation: Low
Schedule Date to Achieve Compliance: 08/05/1996
Actual Date Achieved Compliance: 07/30/1996
Enforcement Action: Written Informal
Enforcement Action Date: 07/12/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/12/1996
Priority of Violation: Low
Schedule Date to Achieve Compliance: 08/05/1996
Actual Date Achieved Compliance: 07/30/1996
Enforcement Action: Written Informal
Enforcement Action Date: 07/12/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/12/1996
Priority of Violation: Low
Schedule Date to Achieve Compliance: 08/05/1996
Actual Date Achieved Compliance: 07/30/1996
Enforcement Action: Written Informal
Enforcement Action Date: 07/12/1996
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 12/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 07/25/1998
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 06/23/1998
Proposed Monetary Penalty: \$ 951,000.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 12/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 07/25/1998
Actual Date Achieved Compliance: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 06/23/1998
Proposed Monetary Penalty: \$ 951,000.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 12/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 07/25/1998
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 06/23/1998
Proposed Monetary Penalty: \$ 951,000.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-Land Ban Requirements
Date Violation Determined: 12/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 07/25/1998
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 06/23/1998
Proposed Monetary Penalty: \$ 951,000.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 12/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 07/23/1998
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 06/23/1998
Proposed Monetary Penalty: \$ 951,000.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	08/10/1998
Priority of Violation:	High
Schedule Date to Achieve Compliance:	02/10/2000
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/27/1999
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	08/10/1998
Priority of Violation:	High
Schedule Date to Achieve Compliance:	02/10/2000
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/27/1999
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	08/10/1998
Priority of Violation:	High
Schedule Date to Achieve Compliance:	02/10/2000
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/27/1999
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	08/10/1998
Priority of Violation:	High
Schedule Date to Achieve Compliance:	02/10/2000
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/27/1999
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	08/10/1998
Priority of Violation:	High
Schedule Date to Achieve Compliance:	02/10/2000
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/27/1999
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-Land Ban Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-Land Ban Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/19/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-Other Requirements
Date Violation Determined: 08/10/1998
Priority of Violation: High
Schedule Date to Achieve Compliance: 02/10/2000
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/27/1999

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	08/10/1998
Priority of Violation:	High
Schedule Date to Achieve Compliance:	02/10/2000
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/27/1999
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	08/10/1998
Priority of Violation:	High
Schedule Date to Achieve Compliance:	02/10/2000
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/27/1999
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999
Proposed Monetary Penalty: \$ 1,168,766.00
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/08/1997
Priority of Violation: High
Schedule Date to Achieve Compliance: 01/15/1999
Actual Date Achieved Compliance: Not reported
Enforcement Action: Initial Formal 3008(a) Compliance Order
Enforcement Action Date: 12/14/1999

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-Land Ban Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	07/08/1997
Priority of Violation:	High
Schedule Date to Achieve Compliance:	01/15/1999
Actual Date Achieved Compliance:	Not reported
Enforcement Action:	Initial Formal 3008(a) Compliance Order
Enforcement Action Date:	12/14/1999
Proposed Monetary Penalty:	\$ 1,168,766.00
Final Monetary Penalty:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

1000881941

Other Evaluation	Generator-Land Ban Requirements	01/30/1995
	TSD-Other Requirements	01/30/1995
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	10/05/1994
	TSD-Land Ban Requirements	10/05/1994
	TSD-Land Ban Requirements	10/05/1994
	Generator-Land Ban Requirements	10/05/1994
	Generator-Land Ban Requirements	01/30/1994
	TSD-Other Requirements	10/05/1994
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	01/01/1993
	TSD-Other Requirements	01/01/1993
	TSD-Other Requirements	01/01/1993
	TSD-Other Requirements	09/03/1992
	Generator-All Requirements	09/03/1992
	Generator-All Requirements	09/03/1992
	Generator-All Requirements	09/03/1992
	Generator-All Requirements	09/03/1992
	Generator-All Requirements	09/03/1992
	Generator-All Requirements	09/03/1992
	TSD-Other Requirements	09/03/1992
	TSD-Other Requirements	03/15/1993
	Generator-All Requirements	03/15/1993
	TSD-Land Ban Requirements	11/17/1993
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	07/01/1991
	TSD-Other Requirements	07/01/1991
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	07/31/1990
	TSD-Other Requirements	07/31/1990
Compliance Evaluation Inspection (CEI)	TSD-Land Ban Requirements	10/04/1995
Compliance Evaluation Inspection (CEI)	TSD-Closure/Post Closure Requirements	11/14/1989
	TSD-Other Requirements	11/14/1989
	TSD-Other Requirements	11/14/1989
	TSD-Other Requirements	11/14/1989
Compliance Evaluation Inspection (CEI)	TSD-Groundwater Monitoring Requirements	01/11/1989
	TSD-Closure/Post Closure Requirements	01/11/1989
	TSD-Groundwater Monitoring Requirements	01/11/1989
	TSD-Groundwater Monitoring Requirements	01/11/1989
Compliance Evaluation Inspection (CEI)	TSD-Groundwater Monitoring Requirements	01/11/1989
	TSD-Closure/Post Closure Requirements	01/11/1989
	TSD-Groundwater Monitoring Requirements	01/11/1989
	TSD-Closure/Post Closure Requirements	01/11/1989
Compliance Evaluation Inspection (CEI)	TSD-Land Ban Requirements	10/04/1995

NY MANIFEST

Additional detail is available in NY MANIFEST. Please contact your EDR Account Executive for more information.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000881941

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- AIRS Facility System (AIRS/AFS)
- CERCLIS
- Federal Facility Information System (FFIS)
- National Compliance Database (NCDB)
- RCRIS

HAZNET:

<p>Gepaid: NM0890010515 Contact: LOS ALAMOS NATIONAL SCIENTIFIC Gen County: 19 Tons: 20.016 Category: Aqueous solution with less than 10% total organic residues Disposal Method: Recycler Mailing Address: 528 35TH ST LOS ALAMOS, NM 87544 - 2201 County: Not reported</p>	<p>Tepaid: CAD008302903 Telephone: (505) 667-5105 Tsd County: Los Angeles</p>
<p>Gepaid: NM0890010515 Contact: LOS ALAMOS NATIONAL SCIENTIFIC Gen County: 16 Tons: 8.4445 Category: Disposal Method: Not reported Mailing Address: 528 35TH ST LOS ALAMOS, NM 87544 - 2201 County: Not reported</p>	<p>Tepaid: CAT000646117 Telephone: (505) 667-5105 Tsd County: Kings</p>
<p>Gepaid: NM0890010515 Contact: LOS ALAMOS NATIONAL SCIENTIFIC Gen County: 16 Tons: 11.676 Category: Aqueous solution with less than 10% total organic residues Disposal Method: Disposal, Surface Impoundment Mailing Address: 528 35TH ST LOS ALAMOS, NM 87544 - 2201 County: Not reported</p>	<p>Tepaid: CAT000646117 Telephone: (505) 667-5105 Tsd County: Kings</p>
<p>Gepaid: NM0890010515 Contact: LOS ALAMOS NATIONAL SCIENTIFIC Gen County: 16 Tons: 26.803 Category: Asbestos-containing waste Disposal Method: Not reported Mailing Address: 528 35TH ST LOS ALAMOS, NM 87544 - 2201 County: Not reported</p>	<p>Tepaid: CAT000646117 Telephone: (505) 667-5105 Tsd County: Kings</p>
<p>Gepaid: NM0890010515 Contact: LOS ALAMOS NATIONAL SCIENTIFIC Gen County: 16 Tons: 15.7475 Category: Asbestos-containing waste Disposal Method: Disposal, Land Fill Mailing Address: 528 35TH ST LOS ALAMOS, NM 87544 - 2201 County: Not reported</p>	<p>Tepaid: CAT000646117 Telephone: (505) 667-5105 Tsd County: Kings</p>

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

US DOE LOS ALAMOS SCIENTIFIC LABORATORY (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000881941

The CA HAZNET database contains 103 additional records for this site.
Please contact your EDR Account Executive for more information.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LOS ALAMOS	U003192090	LOS ALAMOS COMMUNITY CENTER	15TH MYRTLE	87544	UST	29145
LOS ALAMOS	S101647445	COMMUNITY CENTER	15TH / MAPLE ST		LUST	29145
LOS ALAMOS	S101647461	LANL TA3-38-3	DOE - LOS ALAMOS		LUST	30911
LOS ALAMOS	S101647458	LANL TA-21	DOE-LOS ALAMOS		LUST	30886
LOS ALAMOS	S101647450	LANL TA-15	LOS ALAMOS AREA OFF		LUST	30875
LOS ALAMOS	874247	POWER PLANT AT TECHNICAL AREA #3 SM 22	POWER PLANT AT TECHNICAL AREA #3 SM 22		ERNS	
LOS ALAMOS	U001891741	METZGER STORES (A)	128 STATE ROUTE 4	87544	UST	29397
LOS ALAMOS	S103835436	LANL AREA J LANDFILL	TECH AREA TA-54		SWF/LF	12871003
LOS ALAMOS	93323468	TECHNICAL AREA 36 SITE 8 LOS ALAMOS NATL LAB	TECHNICAL AREA 36 SITE 8 LOS ALAMOS NAT LAB		ERNS	
LOS ALAMOS	U003543692	WATERCHRIS DBA HILLTOP HOUSE	TRINITY AND CENTRAL AVE	87544	UST	31554
LOS ALAMOS	1002980307	LOS ALAMOS PUBLIC SCHOOLS	751 TRINITY DRIVE	87544	FINDS, FTTS, LUST	29151
LOS ALAMOS	S101647466	SHANNON CORP.	1240 TRINITY DR.	87544	LUST	30562

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
D012	ENDRIN
D013	LINDANE
D014	METHOXYCHLOR
D016	2,4-D
D018	BENZENE
D019	CARBON TETRACHLORIDE
D020	CHLORDANE

EPA Waste Codes Addendum

Code	Description
D021	CHLOROBENZENE
D022	CHLOROFORM
D026	CRESOL
D027	1,4-DICHLOROBENZENE
D028	1,2-DICHLOROETHANE
D029	1,1-DICHLOROETHYLENE
D030	2,4-DINITROTOLUENE
D031	HEPTACHLOR (AND ITS EPOXIDE).
D032	HEXACHLOROBENZENE
D033	HEXACHLOROBUTADIENE
D034	HEXACHLOROETHANE
D035	METHYL ETHYL KETONE
D036	NITROBENZENE
D037	PENTRACHLOROPHENOL
D038	PYRIDINE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
D042	2,4,6-TRICHLOROPHENOL
D043	VINYL CHLORIDE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT

EPA Waste Codes Addendum

Code	Description
	SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F004	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F007	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS
F027	DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT).
F027	ACETIC ACID, (2,4,5-TRICHLOROPHENOXY)-
F027	PENTACHLOROPHENOL
F027	PHENOL, PENTACHLORO-
F027	PHENOL, 2,3,4,6-TETRACHLORO-
F027	PHENOL, 2,4,5-TRICHLORO-
F027	PHENOL, 2,4,6-TRICHLORO-
F027	PROPANOIC ACID, 2-(2,4,5-TRICHLOROPHENOXY)-
F027	SILVEX (2,4,5-TP)
F027	2,4,5-T
F027	2,3,4,6-TETRACHLOROPHENOL

EPA Waste Codes Addendum

Code	Description
F027	2,4,5-TRICHLOROPHENOL
F027	2,4,6-TRICHLOROPHENOL
K044	WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES
P003	ACROLEIN
P003	2-PROPENAL
P030	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
P056	FLUORINE
P076	NITRIC OXIDE
P076	NITROGEN OXIDE NO
P087	OSMIUM OXIDE OSO ₄ , (T-4)-
P087	OSMIUM TETROXIDE
P105	SODIUM AZIDE
U002	ACETONE (I)
U002	2-PROPANONE (I)
U007	ACRYLAMIDE
U007	2-PROPENAMIDE
U019	BENZENE (I,T)
U037	BENZENE, CHLORO-
U037	CHLOROBENZENE
U044	CHLOROFORM
U044	METHANE, TRICHLORO-
U045	METHANE, CHLORO- (I, T)
U045	METHYL CHLORIDE (I,T)
U072	BENZENE, 1,4-DICHLORO-
U072	P-DICHLOROBENZENE
U075	DICHLORODIFLUOROMETHANE
U075	METHANE, DICHLORODIFLUORO-

EPA Waste Codes Addendum

Code	Description
U080	METHANE, DICHLORO-
U080	METHYLENE CHLORIDE
U110	DIPROPYLAMINE (I)
U110	1-PROPANAMINE, N-PROPYL- (I)
U122	FORMALDEHYDE
U188	PHENOL
U213	FURAN, TETRAHYDRO-(I)
U213	TETRAHYDROFURAN (I)
U220	BENZENE, METHYL-
U220	TOLUENE
U223	BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
U223	TOLUENE DIISOCYANATE (R,T)
U226	ETHANE, 1,1,1-TRICHLORO-
U226	METHYL CHLOROFORM

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA
Telephone: N/A

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

Date of Government Version: 07/26/01
Date Made Active at EDR: 08/28/01
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/06/01
Elapsed ASTM days: 22
Date of Last EDR Contact: 08/06/01

Proposed NPL: Proposed National Priority List Sites

Source: EPA
Telephone: N/A

Date of Government Version: 07/26/01
Date Made Active at EDR: 08/28/01
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/06/01
Elapsed ASTM days: 22
Date of Last EDR Contact: 08/06/01

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

Source: EPA
Telephone: 703-413-0223

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

Date of Government Version: 05/14/01
Date Made Active at EDR: 08/28/01
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/25/01
Elapsed ASTM days: 64
Date of Last EDR Contact: 06/25/01

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA
Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 05/14/01
Date Made Active at EDR: 08/28/01
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/25/01
Elapsed ASTM days: 64
Date of Last EDR Contact: 06/25/01

CORRACTS: Corrective Action Report

Source: EPA
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/27/01
Date Made Active at EDR: 05/16/01
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/11/01
Elapsed ASTM days: 35
Date of Last EDR Contact: 06/12/01

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 06/21/00
Date Made Active at EDR: 07/31/00
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/10/00
Elapsed ASTM days: 21
Date of Last EDR Contact: 07/02/01

ERNS: Emergency Response Notification System

Source: EPA/NTIS
Telephone: 202-260-2342

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

Date of Government Version: 08/08/00
Date Made Active at EDR: 09/06/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 08/10/01

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS
Telephone: 800-424-9346

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

Date of Government Version: 12/31/97
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/18/01
Date of Next Scheduled EDR Contact: 09/17/01

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices
Telephone: Varies

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

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: NTIS
Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/30/99
Database Release Frequency: Annually

Date of Last EDR Contact: 07/10/01
Date of Next Scheduled EDR Contact: 10/08/01

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/26/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/06/01
Date of Next Scheduled EDR Contact: 11/05/01

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

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

Date of Government Version: 07/07/00
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/09/01
Date of Next Scheduled EDR Contact: 10/08/01

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4526

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

Date of Government Version: 12/31/00
Database Release Frequency: Annually

Date of Last EDR Contact: 07/23/01
Date of Next Scheduled EDR Contact: 10/22/01

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

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

Date of Government Version: 05/29/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/09/01
Date of Next Scheduled EDR Contact: 10/08/01

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 08/01/98
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/02/01
Date of Next Scheduled EDR Contact: 10/01/01

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/21/01
Date of Next Scheduled EDR Contact: 11/19/01

PADS: PCB Activity Database System

Source: EPA
Telephone: 202-260-3936

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

Date of Government Version: 03/30/01
Database Release Frequency: Annually

Date of Last EDR Contact: 08/13/01
Date of Next Scheduled EDR Contact: 11/12/01

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

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

Date of Government Version: 04/17/95

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/01

Date of Next Scheduled EDR Contact: 09/10/01

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

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

Date of Government Version: 12/31/98

Database Release Frequency: Annually

Date of Last EDR Contact: 06/27/01

Date of Next Scheduled EDR Contact: 09/24/01

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

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

Date of Government Version: 12/31/98

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 07/09/01

Date of Next Scheduled EDR Contact: 09/10/01

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

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

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/26/01

Date of Next Scheduled EDR Contact: 09/24/01

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 08/10/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/26/01

Date of Next Scheduled EDR Contact: 09/24/01

STATE OF NEW MEXICO ASTM STANDARD RECORDS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list.

Source: EPA

Telephone: 703-413-0223

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Made Active at EDR: N/A
Database Release Frequency: N/A

Date of Data Arrival at EDR: N/A
Elapsed ASTM days: N/A
Date of Last EDR Contact: 07/30/01

SWF/LF: Solid Waste Facilities

Source: New Mexico Environment Department
Telephone: 505-827-0347

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

Date of Government Version: 06/13/01
Date Made Active at EDR: 07/11/01
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/14/01
Elapsed ASTM days: 27
Date of Last EDR Contact: 06/11/01

LUST: Leaking Underground Storage Tank Priorization Database

Source: New Mexico Environment Department
Telephone: 505-827-0188

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/26/01
Date Made Active at EDR: 03/06/01
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/05/01
Elapsed ASTM days: 29
Date of Last EDR Contact: 08/10/01

UST: Listing of Underground Storage Tanks

Source: New Mexico Environment Department
Telephone: 505-827-0199

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

Date of Government Version: 01/26/01
Date Made Active at EDR: 03/02/01
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/05/01
Elapsed ASTM days: 25
Date of Last EDR Contact: 08/10/01

STATE OF NEW MEXICO ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Storage Tanks List

Source: State Fire Marshal
Telephone: 505-827-3550

Aboveground tanks that have been inspected by the State Fire Marshal.

Date of Government Version: 02/01/00
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/02/01
Date of Next Scheduled EDR Contact: 10/01/01

EDR PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HISTORICAL AND OTHER DATABASE(S)

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

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

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SITE 22
SITE 22
LOS ALAMOS, NM 87544

TARGET PROPERTY COORDINATES

Latitude (North):	35.878601 - 35° 52' 43.0"
Longitude (West):	106.297600 - 106° 17' 51.4"
Universal Transverse Mercator:	Zone 13
UTM X (Meters):	382865.5
UTM Y (Meters):	3971060.8

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

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

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2435106-H3 GUAJE MOUNTAIN, NM
Source: USGS 7.5 min quad index

GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General SSW

Source: General Topographic Gradient has been determined from the USGS 1 Degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> LOS ALAMOS, NM	<u>FEMA Flood Electronic Data</u> Not Available
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Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> GUAJE MOUNTAIN	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
--	---

HYDROGEOLOGIC INFORMATION

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Site-Specific Hydrogeological Data*:

Search Radius: 2.0 miles
 Status: Not found

AQUIFLOW®

Search Radius: 2.000 Miles.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

GEOLOGIC AGE IDENTIFICATION

Geologic Code: Qf
 Era: Cenozoic
 System: Quaternary
 Series: Quaternary felsic volcanic rocks

ROCK STRATIGRAPHIC UNIT

Category: Volcanic Rocks

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

*©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Component Name: ROCK OUTCROP

Soil Surface Texture: unweathered bedrock

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

Soil Drainage Class: Not reported

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

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Classification			Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	60 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
loamy sand
loam

Surficial Soil Types: sandy loam
loamy sand
loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: loamy sand

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

FEDERAL USGS WELL INFORMATION

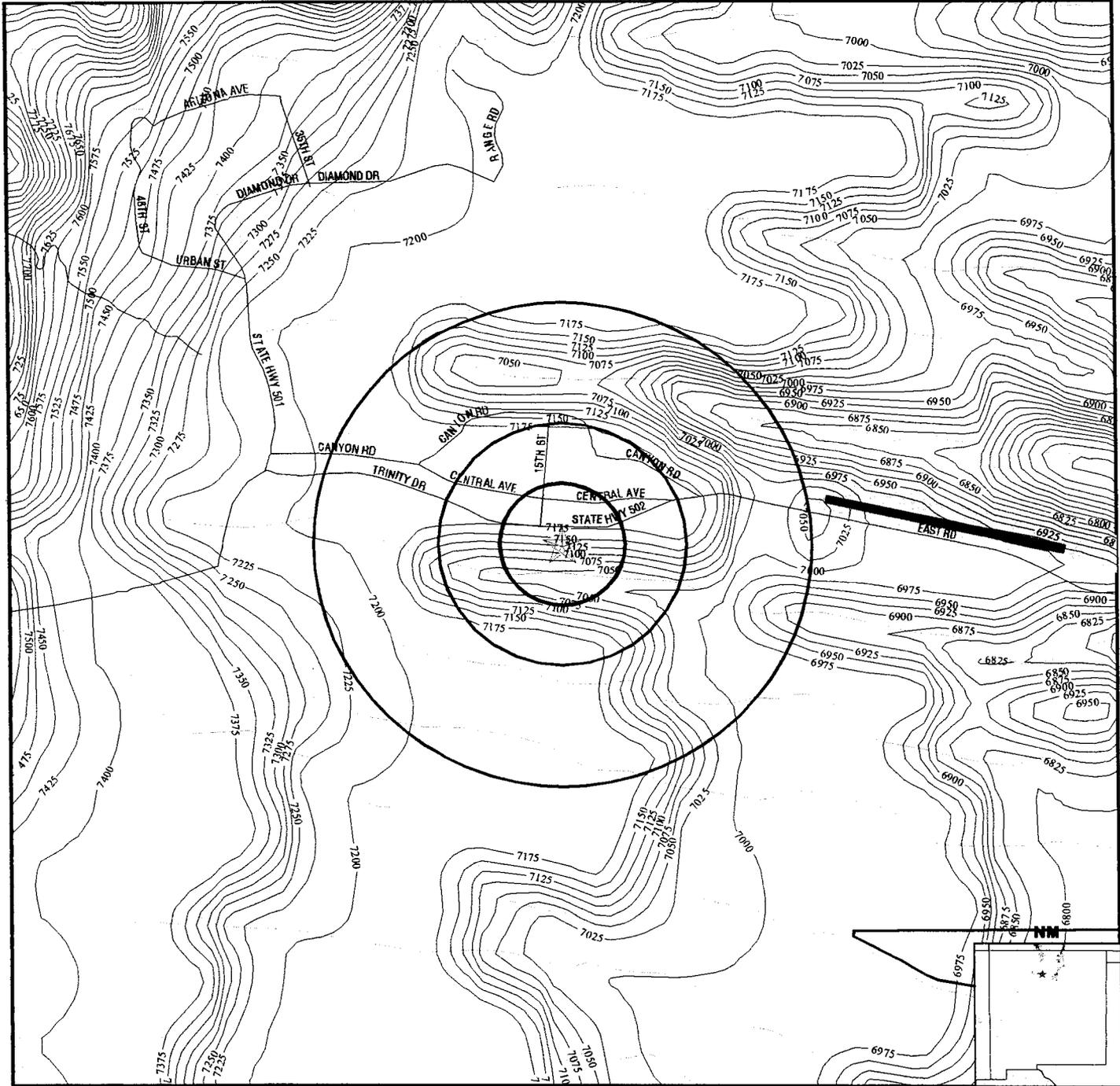
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

PHYSICAL SETTING SOURCE MAP - 679255.1s



- ↘ Major Roads
- ⤴ Contour Lines
- ✈ Airports
- ⊕ Water Wells
- ⊕ Public Water Supply Wells
- ↑ Groundwater Flow Direction
- ⊕ Indeterminate Groundwater Flow at Location
- ⊕ Groundwater Flow Varies at Location
- Cluster of Multiple Icons

- ⊙ Earthquake epicenter, Richter 5 or greater
- ⊕ Closest Hydrogeological Data

TARGET PROPERTY: Site 22
 ADDRESS: Site 22
 CITY/STATE/ZIP: Los Alamos NM 87544
 LAT/LONG: 35.8786 / 106.2976

CUSTOMER: Adelante Consulting
 CONTACT: Virginia Smith
 INQUIRY #: 679255.1s
 DATE: September 11, 2001 1:31 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for LOS ALAMOS County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Zip Code: 87544

Number of sites tested: 37

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.886 pCi/L	78%	22%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	4.100 pCi/L	50%	50%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] Information System

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water
Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water
Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

RADON

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Appendix C
Environmental
Restoration
CERCLA Report



University of California

Environmental Science and Waste Technology (E)
Environmental Restoration (ER) Project, MS M992

Los Alamos, New Mexico 87545
(505) 667-0808/FAX (505) 665-4747

Date: September 24, 2001
Refer to: ER2001-0782

Mr. Mat Johansen
Department of Energy
Los Alamos Area Office, MS A316
Los Alamos, NM 87545

**SUBJECT: UPDATED ENVIRONMENTAL RESTORATION PROJECT CERCLA
120(h) INFORMATION IN SUPPORT OF THE TRANSFER OF THE
MANHATTAN MONUMENT, SITE 22 AND WHITE ROCK PARCELS**

Dear Mat:

The purpose of this document is to transmit updated Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 120(h) information to support the transfer of the Manhattan Monument, Site 22 and White Rock parcels.

This document **SUPERCEDES** all previous documents submitted by the Environmental Restoration (ER) Project regarding CERCLA 120(h) requirements for potential release sites (PRs) associated with the transfer of above-mentioned parcels.

Please note that these updated CERCLA 120(h) reports provided herein continue to be based on the review of the four maps (Thiel, Vigil, Merrick and Thatcher/Vigil) provided to the ER Project in 1998. The ER Project is aware that some variations in parcel boundaries may have occurred since 1998; however, revised parcel boundary maps were not made available to the ER Project for review at the time of this update.

In addition, please note that the CERCLA 120(h) information provided relates only to the status of the PRs; other information relevant to current operations and activities, or other regulations at the parcels included in the transfer, are the responsibility of other Los Alamos National Laboratory (Laboratory) organizations and is not included herein. DOE is advised to contact the Laboratory's Site-Wide Issues Program Office to obtain updates of this other information necessary to complete the CERCLA 120(h) report.

If you have any questions, please call Paul Schumann at (505) 667-5840 or Kim Birdsall at (505) 665-3486.

Sincerely,

A handwritten signature in black ink, appearing to read 'Julie A. Canepa'.

Julie A. Canepa, Program Manager
Environmental Restoration Project

JC/KB/vn

Enclosure: 1) Manhattan Monument Parcel
2) Site 22 Parcel
3) White Rock Parcel

Cy (w/enc.):

K. Birdsall, E/ER, MS M992
D. Garvey, ESH-EIS, MS M889
M. Kirsch, E/ER, MS M992
E. Louderbough, LC-GL, MS A187
W. Neff, E/ET, MS M992
P. Schumann, E/ER, MS M992
V. Smith, E/ER, MS M992
P. Wardwell, LC-GL, MS A187
L. Cummings, LAAO, MS A316
D. Gregory, LAAO, MS A316
E/ER File, MS M992
IM-5, MS A150
RPF, MS M707

Cy (w/o enc.):

J. Canepa, E/ER, MS M992

Site 22 Parcel

Location: Los Alamos Townsite

Description: Site 22 is a small (less than one half of an acre) parcel of land. It is located at the south of Trinity Drive on the southern edge of the townsite mesa above Los Alamos Canyon. The parcel abuts privately owned property that is currently developed as a commercial storage business. The parcel currently has no public access and remains undeveloped; however, a Los Alamos National Laboratory (LANL) air monitoring station, operated by the Air Quality Group (Environment, Safety and Health Division) is located in the parcel.

History: The Site 22 parcel contains no potential release sites (PRSs) within its boundaries. However, some construction debris was discovered on the parcel in 1998. This debris was neither known nor suspected to contain hazardous constituents or substances related to historical or current LANL (or other) operations. Subsequent to its discovery, it was removed and disposed of as a non-hazardous, solid waste by the Environmental Restoration Project in July 2000.

Is there any record of a hazardous substance having been stored on site?

No. There is no information that suggests that hazardous substances were stored on site.

Was the amount stored greater than or equal to 1,000 kg or the Reportable Quantity (RQ), whichever is greater?

Not applicable.

Was the amount disposed of or released greater than or equal to the RQ?

Not applicable.

Current Regulatory Status: The Site 22 parcel contains no PRSs and is not believed to have been adversely affected by PRSs. Thus, no remedial action is necessary. This parcel meets the Comprehensive Environmental Response, Compensation and Liability Act Section 120(h) requirements because all necessary remedial action (none in this case) has been taken prior to transfer.

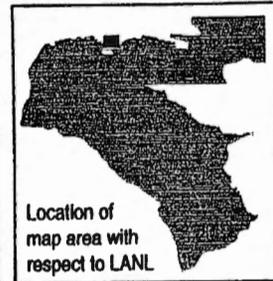
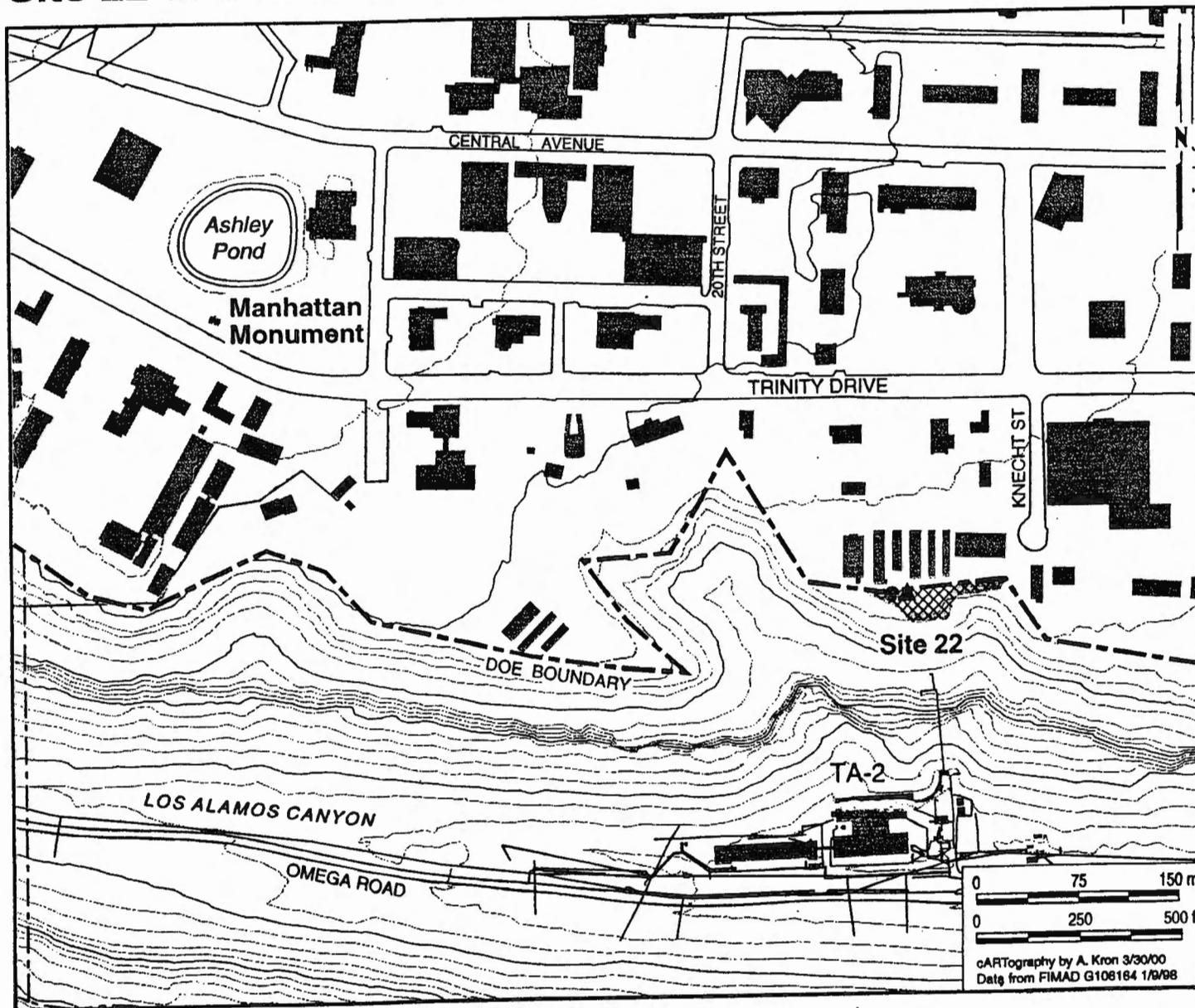
Future Actions Required: None.

References: *"Environmental Restoration Report to Support Land Conveyance and Transfer under Public Law 105-119,"* August 1999, LA-UR-4187.

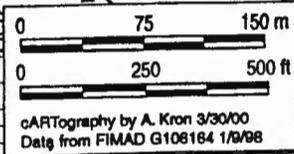
Appendix D

Site Map

Site 22 and Manhattan Monument



- Los Alamos County
- Building
- Paved Road
- DOE Boundary
- TA Boundary
- 20-ft Contour
- 100-ft Contour
- Gas Line
- Power Line
- Water Line
- TLD Station
- Air Monitoring Station
- T&E Core Zone
- T&E Buffer Zone



PRELIMINARY: The information depicted on this map has not been surveyed. Accordingly, this map is for informational purposes only.