

General

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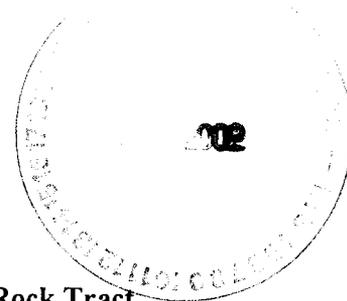
*Environmental, Safety & Health Division*

**Site-Wide Issues Program Office**

P.O. Box 1663, Mail Stop M889  
Los Alamos, New Mexico 87545  
5-8969/Fax 5-8970

Date: September 27, 2001  
Refer To: ESH-SWI:01-034

Ted Taylor  
U.S. Department of Energy  
Los Alamos Area Office  
528 35<sup>th</sup> Street  
Los Alamos, NM 87544



**SUBJECT: Environmental Baseline Survey for the BIA portion of the White Rock Tract**

Dear Ted:

Please find enclosed five (5) copies of the Environmental Baseline Survey for the Bureau of Indian Affairs portion of the White Rock Tract. This document is being provided to DOE as information for the projected transfer of land in accordance with Public Law 105-119.

As per your request of September 26, 2001, I have enclosed a list of Environmental Restoration Project documents pertinent to this tract.

If we can be of further assistance, please do not hesitate to call me at 505-665-8969.

Sincerely,

A handwritten signature in cursive script that reads 'D. Garvey'.

Doris Garvey  
Program Manager

DG:pm

Enclosures: a/s

Cy:  
P. Wardwell, LC-GL, A187  
K. Rea, ESH-SWI, M889  
SWI Admin File



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## **BIA Portion of the White Rock 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.*

#### White Rock Tract Specific Documents:

*RFI Work Plan for Operable Unit 1148, May 1992 (LA-UR-92-0855) potential pertinence (White Rock parcel located on TA 54)*

The EPA **may not** be in receipt of the below documents pertinent to PRS C-00-009 located on the White Rock parcel:

*Evaluation of Possible Sediment Contamination in the White Rock Land Transfer Parcel: Reach CDB-4, October 2000 (LA-UR-00-5071).*

*RFI Work Plan for Sandia Canyon and Cañada del Buey, September 1999 (LA-UR-99-3610).*

*Supplement to Response to Request for Information for the Canyons Investigation Core Work Plan, January 1998 (EM/ER:98-020).*

*Core Document for Canyons Investigations, April 1997 (LA-UR-96-2083).*

**Environmental Baseline Survey**  
**for**  
**White Rock Tract**  
**Portion for Transfer to the Bureau of Indian Affairs**  
**Held in Trust for San Ildefonso Pueblo**

Pursuant to the US Department of Energy  
Cross-Cut Guidance on Environmental Guidance  
for DOE Real Property Transfers

September 25, 2001

**Environmental Baseline Survey**  
**for**  
**White Rock Tract**  
**Portion for Transfer to the Bureau of Indian Affairs**  
**Held in Trust for San Ildefonso Pueblo**

**Executive Summary**

This document, "Environmental Baseline Survey for White Rock Tract, Portion for Transfer to BIA, Held in Trust for San Ildefonso Pueblo", was prepared in accordance with the "Cross-Cut Guidance on Environmental Requirements for DOE Real Property Transfers" in preparation of transferring ownership of portions the White Rock Tract at Los Alamos National Laboratory (LANL) from the US Department of Energy (DOE) to the Bureau of Indian Affairs (BIA) to be held in trust for the San Ildefonso Pueblo pursuant to Public Law 105-119, Section 632. It discusses DOE compliance with environmental requirements associated with real property transfers. It also demonstrates that, although potentially contaminated, White Rock Tract 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".

The methodology used to prepare this report was to:

- conduct an environmental site assessment of White Rock Tract 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 White Rock Tract,
- perform a physical examination of the White Rock Tract, 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 White Rock Tract has:

- one potential release site (PRS) within its boundaries; however, an investigation conducted in 1999 by the Environmental Restoration (ER) Project identified no contaminants in sediments in that reach of Canada del Buey located within the White Rock Tract.
- 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.

There are no known springs or wetlands within the White Rock Tract boundaries, nor do regional aquifer groundwater test wells 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 White Rock Tract, and White Rock Tract does not lie within the 100-year or 500-year floodplains.

No habitat for threatened and endangered species overlaps White Rock Tract.

A complete archaeological survey of White Rock Tract identified several prehistoric resources, and known traditional cultural properties (TCPs) exist. However, transfer of ownership from DOE to the BIA keeps these resources within United States Government ownership and affords these resources the same protection under the law that they currently receive. Therefore, this transfer does not constitute an impact.

Based on this information, the University of California and DOE conclude that there are no outstanding environmental issues to prevent conveyance or transfer of White Rock Tract to the BIA to be held in trust for the Pueblo of San Ildefonso.

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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 jurisdictional administrative control of the Secretary at or in the vicinity of LANL. Such parcels, or tracts, of land must meet suitability criteria established by 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 October 1997) 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.

### **1.1 Boundaries of Property and Scope of Survey**

The White Rock Tract consists of about 100 acres and is located north of the White Rock residential community (see Figure Appendix D). Lands belonging to the Pueblo of San Ildefonso lie to the north of the tract, and to the west is LANL's low-level radioactive waste facility located in Technical Area 54. State Road 4 provides primary access to the site (DOE October 1999).

The legal property boundary description of this tract is provided by the Army Corps of Engineers Title Report, "White Rock Tract at Los Alamos, New Mexico", September 14, 1998 (ACOE September 1998). The ACOE performed a physical survey of this tract in 2001, and based on this survey, will prepare an amended property description for actual transfer of the tract.

The scope of this Environmental Baseline Survey was to identify potential environmental issues associated with White Rock Tract 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 White Rock Tract 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 White Rock Tract,
- perform a physical examination of White Rock Tract, 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 White Rock Tract 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 the White Rock Tract 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 the "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: "White Rock Tract 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

### **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**

The White Rock Tract consists of about 100 acres and is located north of the White Rock residential community (see Figure Appendix D). Lands belonging to the Pueblo of San Ildefonso lie to the north of the tract, and to the west is LANL's current low-level radioactive waste facility located in Technical Area 54. State Road 4 provides primary access to the site.

Vegetation at the tract includes pinyon-juniper woodlands and juniper savannah. The tract was historically part of Technical Area 54 but is separated from developed portions of Technical Area 54 by elevation. The tract was never used for LANL activities beyond providing electrical power from a small substation, water from a pump station and water lines, and serving as a buffer area between residents and LANL operations. (Note: None of these facilities are located on portions of the White Rock Tract being transferred to the BIA to be held in trust for the Pueblo of San Ildefonso).

Existing land use at the White Rock Tract includes activities associated with a water pump station, and electrical substation, and power lines. A small Visitor Center on land leased to the County is also located on the tract.

Adjacent land uses include the community of White Rock commercial and residential activities and include retail and light commercial industry, offices, commercial storage, single-family dwellings, and a small amount of high-density residential areas (approximately 9 acres). The largest and most active businesses serve local communities, including a supermarket, gas stations, and local retail establishments. Land use to the north includes open areas of undeveloped Pueblo of San Ildefonso land. There are no recognized trails within the tract; no other recreational opportunities exist at the tract.

Other land use involves structures or facilities that are associated with Federal, State, or local permits. A water monitoring well and a stream gauging station exist on the tract adjacent to State Road 4. These facilities are not located on the portions of the White Rock Tract being transferred to the BIA to be held in trust for the Pueblo of San Ildefonso.

### **3.1 History and Current Use**

Prior to LANL occupancy (pre-1943), there was little development or other documented activity in this remote area. A 1924 Forest Service map shows a wooded area with a trail winding through the area in approximately the same location as the current State Road 4.

Beginning in 1947, the White Rock townsite was used by the Atomic Energy Commission to temporarily house construction workers working in Los Alamos. More permanent homes in this area were constructed in the early 1960s.

The White Rock parcel has traditionally served to buffer the town of White Rock from Laboratory activities and continues this tradition today. Adjacent to this parcel are several Laboratory air monitoring stations and a monitoring station that is part of a

based monitoring network. Located on the parcel itself is a stream gauging station maintained by the USGS.

The White Rock parcel is located in the lower reaches of Canada del Buey. This canyon has been identified as an area of concern, and therefore, by definition, a potential release site. Canada del Buey may have received contaminants from multiple PRSs within the watershed, including PRSs within Technical Areas 46, 51, 54 and 4. However, an investigation conducted in 1999 by the Environmental Restoration (ER) Project identified no contaminants in that reach of Canada del Buey located within the White Rock transfer parcel.

### **3.2 Environmental Setting**

White Rock Tract is vacant land typified by pinyon-juniper woodlands and juniper savannah. There are no known threatened or endangered species present on or adjacent to the tract. Immediately south of the tract is the town of White Rock; the rest of the tract to the north, east, and west is surrounded by undeveloped land. The developed portions of Technical Area 54, west of the tract, are several hundred meters distant.

Noise in the vicinity of this tract is from motorized vehicles on State Road 4 and business operations along the south side of State Road 4. Artificial light sources associated with commercial development and vehicles also are present.

#### **3.2.1 Stormwater Runoff Patterns**

Cañada del Buey, an ephemeral stream, transects the tract. Surface water from the tract flows into Cañada del Buey, through a culvert under State Road 4, through the community of White Rock and ultimately into the Rio Grande.

There are no known springs within the tract. There is one stream gage within the White Rock Tract, which is the only surface water monitoring station on the tract. There is another stream gage upstream of the tract in Pajarito Canyon where water quality is monitored.

#### **3.2.2 Hazardous Materials and Waste Management**

Not applicable. No current or historic hazardous waste generation or disposals are associated with this site.

#### **3.2.3 CERCLA-Related Contamination**

None identified (see Appendix A). The White Rock Tract contains one potential release site within its boundary (Canada de Buey); however, investigations have demonstrated no contamination of concern exists on the White Rock Tract. The only structures on the tract are a water pump station, and electrical substation, power lines, and a small Visitor Center.

### **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. There are and have been no wastewaters discharged at this site, and there are no records of septic systems on-site. In addition, there are no process-related water uses on this parcel.

### **3.2.6 Lead in Drinking Water**

Not applicable. There are no water supply wells 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. There appear to be no facilities or structures located on this land parcel that contains asbestos as defined by 29 CFR 1926.1101.

### **3.2.9 Air**

Not applicable. There are no air emissions from this tract, and it is relatively removed from LANL activities. Because LANL activities are a distance away, contributions to air quality come primarily from the southern borders of this triangular-shaped tract (State Road 4 and the town of White Rock). Air quality at the tract is high. Neither hazardous nor radioactive air pollutant sources exist at the tract. The tract is part of New Mexico Region 3, an attainment area that meets National Ambient Air Quality Standards (NAAQS) for criteria pollutants.

### **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. LANL's PCB database shows that no PBC-containing equipment was used, stored or disposed on this tract. There is a transformer station, not associated with

LANL, located on this tract, but during the site visit there was no staining or other indications of oil releases to the environment.

### **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**

A portion of the tract lies within the stream channel and floodplain of Cañada del Buey, and sampling of this canyon system has detected low levels of several radioactive isotopes. However, as shown in Appendix C, no contaminants in sediments were detected on the White Rock tract.

### **3.2.16 Radon**

Not applicable.

### **3.2.17 Groundwater**

Not applicable. There are no supply 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**

The White Rock Tract is covered by approximately 75 percent pinyon-juniper woodland vegetation and 20 percent developed areas (a dirt roadway, pump station, and the Visitor Center). Shrubs, grasslands, and wildflowers occupy the remaining 5 percent. Flora and fauna present within the tract are characteristic of the region.

One hundred percent of the White Rock Tract has been inventoried for historic and prehistoric cultural resources. Survey results indicate that there are four prehistoric sites and one historic site within the tract. Three of the prehistoric sites have been evaluated as eligible for listing on the National Register of Historic Places (NRHP) and one as potentially eligible. The one historic site, a Cold War era structure, has been evaluated as not eligible for the NRHP. There is a potential for unidentified resources, including

subsurface archaeological deposits and unrecorded burials. Formal consultations to identify traditional cultural property (TCP) resources have not been conducted. It is probable that TCPs will be identified during further consultations with Native American and Hispanic groups regarding traditional uses of this tract. The Pueblo of San Ildefonso has indicated, in general terms, that TCPs are present on this tract. TCPs would not be anticipated in developed parts of the tract.

This transfer of ownership from DOE to the BIA keeps these resources within United States Government ownership and affords these resources the same protection under the law that they currently receive. Therefore, this transfer does not constitute an impact to these resources, and no further action is required.

### **3.4 Identification of Uncontaminated Properties**

The entire White Rock Tract is uncontaminated. White Rock Tract 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 consist of the town of White Rock to the south and TA-54 to the west. The remaining lands are undeveloped.

The White Rock Tract is not listed in any of the databases searched in accordance with requirements of ASTM Standard Practice for Environmental Site Assessments (ASTM E 1527-00). The database search to assess whether environmental conditions on the White Rock Tract have been affected by any off-site source or sources identified one mappable<sup>1</sup> site as being within the designated search radii: an underground storage tank (UST) site located at the Quik Stop on Rover Blvd. There is no evidence to suggest that this tank has ever leaked and, because of it is at a lower elevation than the parcel, it's potential to ever cause an adverse impact is negligible. The database search identified an additional 39 "orphan" sites, which could not be mapped because of insufficient information was available in the databases on their locations. An evaluation of these sites was conducted based on the investigator's knowledge of the region, and it was determined that 36 of the 39 orphan sites are located in the Pojoaque valley or points south. The three remaining orphan sites are solid waste operations at TA-54, which is located above and adjacent to the White Rock parcel; Site 8 at TA-36, which is listed in the federal Emergency Response Notification System; and an UST located at Metzger's Texaco southeast of the

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<sup>1</sup>The term "mappable" means that the address information provided is sufficient for the database search vendor to pinpoint the location on a street map with a high degree of confidence.

White Rock parcel. None of these sites are believed to pose a significant potential concern for environmental conditions on the White Rock parcel.

#### **4.1 History and Current Use**

Beginning in 1947, the White Rock townsite was used by the Atomic Energy Commission to temporarily house construction workers working in Los Alamos. More permanent homes in this area were constructed in the early 1960s.

#### **4.2 Environmental Setting**

The adjacent lands to the south are industrialized and mostly paved (the business strip that support the town of White Rock). The area to the west contains the Laboratory's solid radioactive waste management facility (Area G). To the north and east the lands are undeveloped. Vegetation in this region is typified by pinyon-juniper woodlands intermingled with shrub-grassland.

#### **4.3 Adjacent Properties with No Known or Suspected Releases**

The undeveloped lands to the north and east of the White Rock Tract are not known to contain contaminants.

#### **4.4 Adjacent Properties with Known or Suspected Releases**

Both Technical Area 54 to the west, and the town of White Rock to the south would be expected to have the typical releases associated with towns and the handling of wastes.

### **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 environmental have been taken".

#### **5.1 Facility Matrix**

This site contains 5 structures:

- Stream gage station
- Two power lines
- Water pump station and water line
- Electrical substation

## Visitor Center

None of these structures are on that portion of the tract to be transferred to the BIA.

### **5.2 Property Categorization**

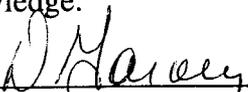
Not applicable. All lands at White Rock Tract are categorized the same.

### **5.3 Resource Map**

Not applicable. No hazardous materials were identified, and no water supply 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**

# DRAFT

## NOTICE of CERCLA 120(h) INFORMATION FOR PROPERTY SUBJECT TO CONVEYANCE AND TRANSFER:

### White Rock Tract (Tribal Portion)

#### Purpose:

The purpose of this document is to meet the reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) for the conveyance and transfer of the parcel of land identified as the White Rock (WR) Tract. *The information contained in this notice is required under authority of regulations promulgated under section 120(h) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund) 42 U.S.C. section 9620(h)*<sup>1</sup>. This report describes the methodology used to evaluate whether any hazardous substances meeting the CERCLA reporting requirements were stored, released, or otherwise managed at the White Rock Tract and identifies those materials. **NOTE:** Upon transfer, the WR Tract will be divided with one portion of the tract being conveyed to the Pueblo of San Ildefonso (the Pueblo) and the remainder to the County of Los Alamos. This report addresses only that portion being transferred to the Pueblo. [Reference: *Notice of CERCLA 120(h) Information for Property Subject to Conveyance and Transfer: White Rock Tract (LA County Portion)*]

CERCLA 120(h) and the implementing regulations at 40 CFR 373 require the DOE, when entering into the sale or transfer of real property, to disclose whether any hazardous substances [as defined by CERCLA] have been stored for more than one year in quantities greater than or equal to 1000 kg or the reportable quantity (RQ); any hazardous substances known to be released or disposed of [at the White Rock Tract]; and any acutely hazardous wastes stored for one year or more and in quantities greater than or equal to 1 kg

#### Location:

The White Rock tract is located at the southeastern extremity of TA-54, on the north side of, and roughly parallel to, State Rd. 4 between its intersections with Pajarito Road to the west and with Rover Boulevard to the east. There are several structures on the tract, only one of which appears to have a LANL structure number, TA-54-75, the White Rock Pump Station. The remaining structures include an electrical substation, two overhead power lines, water supply pipelines, a visitor center building with parking lot, and a surface water gauging station (E230) in the Canada del Buey drainage channel. All of the structures are on that portion of the tract being conveyed to Los Alamos County and will not be addressed in this document.

#### Description:

The portion of the WR tract being conveyed to the Pueblo consists of the northernmost section of the tract and a portion near the eastern end. This latter portion contains two short stretches of overhead power line but no poles or other infrastructure.

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<sup>1</sup> This statement is specifically required under 40 CFR 373.3(b).

## **DRAFT**

### **Methodology:**

The information in this report and its attachments is based on a review of available records and interviews. The Environmental Restoration Project's approach to reviews and interviews is detailed in **Attachment A**. The reviews conducted by the Laboratory's Water Quality Group, the Hazardous and Solid Waste Group, and the Air Quality Group, included a review of Laboratory and group files and databases on chemical inventories and usage; solid and hazardous waste management and storage; releases and spills; emergency response, and PCB equipment.

Every attempt was made to identify data sources that could contribute to this report; however, certain limitations apply to those datasets. Generally, the quality and accuracy of all datasets improves as one moves forward in time. Information on chemical inventories for any facility at LANL is primarily from the Laboratory's Automated Chemical Inventory System (ACIS). ACIS data is available from about mid-1992 to present and tracks chemical name, chemical abstracts services registry numbers, procurement, quantities, and usage. No records of hazardous substances for this location were observed in the ACIS records.

Waste management records searched for this report included data on waste characterization, storage, transportation, treatment, and disposal. Available waste characterization data was sometimes limited to brief, one or two word, descriptions; this is especially true for records before 1991 when early versions of the Laboratory's waste profile system were developed. No records of any wastes generated or stored at this location were discovered.

The PCB database includes information on PCB's and PCB containing items. The PCB database does not contain any records of PCB's having been stored or released in quantities greater than their RQ's on the Pueblo's portion of the White Rock tract

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

No records of hazardous substances having been used, stored, or disposed on the Pueblo's portion of the WR Tract have been discovered.

### **Was the amount stored greater than or equal to 1,000 kg or the Reportable Quantity (RQ), whichever is greater; and, was the hazardous substance stored for one year or longer?**

No records of hazardous substances having been used, stored, or disposed on the Pueblo's portion of the WR Tract have been discovered.

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

No records of hazardous substances having been used, stored, or disposed on the Pueblo's portion of the WR Tract have been discovered.

**Current Regulatory Status:** The portion of the White Rock tract being transferred to the Pueblo does not have any operations that are included in the Laboratory's Hazardous Waste Facility Permit.

### **List of Materials Consulted**

1. 40 CFR §260 – §280
2. 40 CFR §302.4

## ***DRAFT***

3. 40 CFR §373
4. Civilian Federal Agency Task Force Guide on Evaluating Environmental Liability for Property Transfers, August 1998.
5. Cross-Cut Guidance on Environmental Requirements for DOE Real Property Transfers, DOE/EH-413-8712, Oct. 1997
6. Draft Lease Agreement for the ICON Facility, Technical Area 46 by and between the US DOE and LADC, 10/4/00
7. Hazardous Waste Tracking System database, ESH-19, 1989 - present
8. LANL ESH-10 Hazardous Material Response Incident logs
9. LANL ESH-17 Automated Chemical Inventory System (ACIS), 1992 - present
10. LANL ESH-18 Spill reports 1987 - present
11. LANL ESH-19 Correspondence log, 1986 - present
12. LANL Hazardous Waste Facility Permit, 12/89
13. LANL Log Books, TA-50-1 Acid Neutralization records 1986 - present
14. PCB Database, ESH-19, 1985 - present
15. Phase I Environmental Site Assessment: TA-46-88 ICON Facility, 4/2000 PMC Environmental
16. Title III List of Lists, EPA 550-B-98-017, 11/98

# **Appendix B**

## **Environmental Assessment**

# **ENVIRONMENTAL ASSESSMENT**

## **Land Transfer Parcel, White Rock, San Ildefonso Portion**

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**Prepared For: THE DEPARTMENT OF  
ENERGY**

**September 21, 2001**

Revision 0

## **EXECUTIVE SUMMARY**

This report presents a findings summary for an assessment of the actual and potential environmental concerns associated with the portion of the White Rock parcel being transferred to the U.S. Department of the Interior, in trust for San Ildefonso Pueblo. The White Rock parcel is located adjacent to State Road 4 in White Rock, Los Alamos County, NM. The portion of the parcel that is the subject of this report is located along the northern border of the White Rock parcel and, for linguistic ease, is referred to as the White Rock parcel for the remainder of this report. Exhibit 1 (at the end of this executive summary) provides a descriptive summary for the White Rock 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 first assessment on August 28, 2000 and a subsequent assessment on September 10, 2001, at the request of the U.S. Department of Energy. The LANL site assessors for this assignment were Ms. Jennifer 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); along with an additional 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 White Rock 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. White Rock Parcel Description Summary**

<b># of Acres</b>	<b># of Buildings (approx. total sq. ft)</b>	<b># of Potential Release Sites (and remediation status)</b>	<b>Current Activities</b>
Approximately 10 in the portion of the parcel designated for transfer to the U.S. department of Interior, in trust for San Ildefonso Pueblo.	None on the portion of the parcel designated for transfer to the U.S. Department of Interior, in trust for San Ildefonso Pueblo.	None. Canada del Buey is an area of concern that was characterized by the LANL Environmental Restoration Project in 2000, and results demonstrated that no contaminants are present at levels greater than background.	No LANL operations are undertaken at this parcel.

**Exhibit 2. White Rock Parcel Site History Summary**

<b>Site History Prior to LANL Occupancy</b>	Prior to LANL occupancy (pre-1943), there was little development or other documented activity in this remote area. A 1924 Forest Service map shows a wooded area with a trail winding through the area in approximately the same location as the current State Road 4.
<b>Site History After LANL's Occupancy</b>	<p>Beginning in 1947, the White Rock townsite was used by the Atomic Energy Commission to temporarily house construction workers working in Los Alamos. More permanent homes in this area were constructed in the early 1960s.</p> <p>The White Rock parcel has traditionally served to buffer the town of White Rock from Laboratory activities and continues to serve in this capacity today. Several Laboratory air monitoring stations are immediately adjacent to the parcel, as is a monitoring station that is part of a community-based monitoring network. Located on the parcel itself is a stream gauging station maintained by the USGS. The closest Laboratory operations to the parcel are the waste management activities conducted at TA-54, which is situated to the west of the parcel.</p> <p>The White Rock parcel is located in the lower reaches of Canada del Buey. The Environmental Restoration Project (LANL) conducted sampling in July 2000 in Canada del Buey to determine if contamination resulting from Laboratory activities exists at this site. The results demonstrated that no contaminants exist at levels exceeding background concentrations.</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; and
  - Ms. Jean Dewart, ESH-17, Air Quality Program.
  
- We visited the facility on August 28, 2000, and again 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 after the first 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 conduct additional interviews after the second site visit, because there are no ongoing LANL operations at the subject 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 the Los Alamos County Archives office in Los Alamos, NM to review aerial photographs of the area and to collect information on site use prior to the Manhattan Project.
  
- We performed a walk-by and drive-by survey of the immediate neighboring properties in August 2000 and in September 2001 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 of the following computerized environmental databases in September 2001 to determine if hazardous sites or serious local environmental problems may exist on or immediately adjacent to the facility (see radius specifications):<sup>1</sup>

#### *Federal ASTM Records*

---

<sup>1</sup>The environmental database searches were completed for LANL by e Data Resources. The database-specific radii specified for these searches either match the ASTM E 1527-97 requirements or are larger than specified in E 1527-00.

- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) (subject site and 0.5-mile radius);
- Emergency Response Notification System (subject site);
- 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 1-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).
- 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 1924, 1958, 1974, and 1991 were available from the Environmental Restoration and Los Alamos County photographic archives.
- 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 White Rock that gave addresses for the subject site. In most cases, older city directories listed 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***

**TABLE Exhibit 3**

**Summary of Environmental Assessment Results for White Rock  
Adjacent to State Road 4, White Rock, 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.	None.
Asbestos Management	There appear to be no environmental liability issues associated with asbestos management on this parcel.	There appear to be no facilities or structures located, on this land parcel that contain asbestos as defined by 29 CFR 1926.1101. No suspect materials were noted during the site inspection.
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.	None.
Nonhazardous Solid Waste Management	There appear to be no environmental liability issues associated with LANL's nonhazardous waste management practices within the parcel.	No nonhazardous wastes are currently generated on this parcel as a result of LANL operations, and there is no record of historical generation of nonhazardous wastes.
Hazardous Solid Waste Management	There appear to be no environmental liability issues associated with LANL's hazardous waste management practices within the parcel.	No hazardous wastes are currently generated on this parcel as a result of LANL operations, and there is no record of historical generation of hazardous wastes. The Laboratory's Environmental Restoration Project investigated the possibility of sediment contamination resulting from Laboratory activities upstream of the site, and found no contaminants to exist at concentrations exceeding background levels. Laboratory buildings on or in proximity to this site pose no apparent environmental liability issues.
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,	There appear to be no environmental liability issues	None. No materials, products or pesticides are handled or

and Pesticide Handling and Storage Practices	associated with current materials, products, and pesticide handling and storage practice at this parcel.	stored on the subject parcel.
PCB Inventory Management	There appear to be no environmental liability issues associated with PCB inventory management at this land 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 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.	On the days of the site visits, there was no unusually altered topography, unusually stressed vegetation, soil staining, unusual ground depressions, or other visible indications of past spills, releases, or waste disposal. Site contacts reported experiencing no reportable spills.
Past Off-Site Waste Disposal	To the best of LANL ESH-19 staff's knowledge, no issues or concerns have been raised regarding past off-site waste disposal practices from wastes generated on this parcel. LANL has not received or filed notifications under the Comprehensive Environmental Response, Compensation, and Liability Act related to the disposal of any hazardous substances.	None of the off-site disposal facilities known to have received hazardous or nonhazardous wastes from LANL is currently listed on the proposed or final NPL, in the federal CERCLIS or CERCLIS-NFRAP databases, or in the respective state databases that are the equivalent of the federal CERCLIS and NPL databases.
Environmental Data Base Search Results	No apparent environmental liabilities were identified in any of the federal or state environmental databases searched for this assessment (see Attachment A). The database search to assess whether environmental conditions on the subject property have been affected by any off-site source or sources identified no 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.).	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.  The environmental database search also identified 37 "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. The Metzger's located on Highway 4 has underground storage tanks that appear on the New Mexico UST registry, and LANL Material Disposal Area J is located at TA-54, west of the subject parcel. Neither of these sites is believed to pose a potential concern for environmental conditions on the subject property.



## **The EDR Radius Map with GeoCheck®**

**White Rock Site  
White Rock Site  
Los Alamos, NM 87544**

**Inquiry Number: 679255.3s**

**September 13, 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](http://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

WHITE ROCK SITE  
LOS ALAMOS, NM 87544

#### COORDINATES

Latitude (North): 35.825900 - 35° 49' 33.2"  
Longitude (West): 106.217200 - 106° 13' 1.9"  
Universal Transverse Mercator: Zone 13  
UTM X (Meters): 390050.8  
UTM Y (Meters): 3965122.2

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2435106-G2 WHITE ROCK, 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  
CORRACTS..... Corrective Action Report  
RCRIS-TSD..... Resource Conservation and Recovery Information System  
RCRIS-LQG..... Resource Conservation and Recovery Information System  
RCRIS-SQG..... 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  
LUST..... Leaking Underground Storage Tank Priorization Database  
UST..... Listing of Underground Storage Tanks

# EXECUTIVE SUMMARY

## FEDERAL ASTM SUPPLEMENTAL

<b>CONSENT</b> .....	Superfund (CERCLA) Consent Decrees
<b>ROD</b> .....	Records Of Decision
<b>Delisted NPL</b> .....	National Priority List Deletions
<b>FINDS</b> .....	Facility Index System/Facility Identification Initiative Program Summary Report
<b>HMIRS</b> .....	Hazardous Materials Information Reporting System
<b>MLTS</b> .....	Material Licensing Tracking System
<b>MINES</b> .....	Mines Master Index File
<b>NPL Liens</b> .....	Federal Superfund Liens
<b>PADS</b> .....	PCB Activity Database System
<b>RAATS</b> .....	RCRA Administrative Action Tracking System
<b>TRIS</b> .....	Toxic Chemical Release Inventory System
<b>TSCA</b> .....	Toxic Substances Control Act
<b>FTTS</b> .....	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

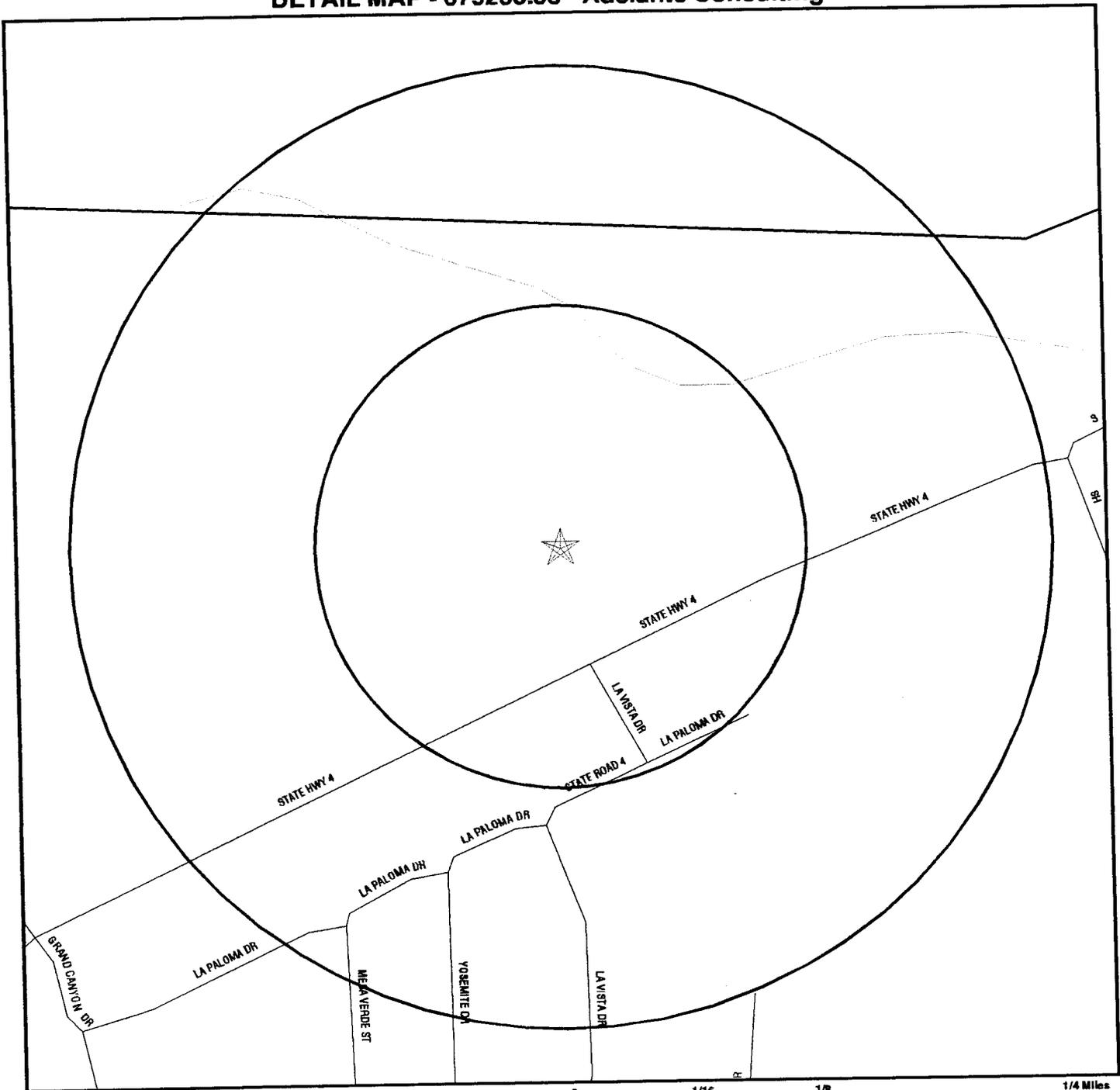
Surrounding sites were not identified.

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
POJOAQUE ABANDONED MICA MINES	CERC-NFRAP
TOTAVI AREA SAND & GRAVEL OPERATION	CERC-NFRAP
TESUQUE OPEN DUMP	CERC-NFRAP
ALEXANDER GRAVEL (TESUQUE PUEBLO)	CERC-NFRAP
JACONA TRANSFER STATION	SWF/LF
LANL AREA J LANDFILL	SWF/LF
NAMBE COLLECTION STATION	SWF/LF
ENVIRONMENTAL CONTROL, INC.	SWF/LF
OPEN AIR MARKET	LUST
ALLSUPS 322	UST, LUST
ABIQUIU GAS AND GROCERY	UST
METZGER STORES (A)	UST
HANSEN LOGGING CO INC	UST
NEW MEXICO CORRECTIONS DEPARTMENT GARAGE	UST
NEW MEXICO CORRECTIONS DEPARTMENT POWER PLANT	UST
MEYER HINDS CO	UST
NM STATE HWY	UST
SANTA FE NM ATCT	UST
PUBLIC SERVICE CO OF NM B	UST
SANTO DOMINGO TRIBAL GAS STATION	UST
RANCHO ENCANTADO	UST
SANGRE DE CRISTO CENTER	UST
PONCES FINA	UST
THOMPSON DRILLING INC	UST
ARMSTRONG ROOF SYSTEMS INC	UST
HONSTEIN OIL CO	UST
LEEDER CONSTRUCTION CO INC (A)	UST
PADILLA HENRY	UST
WINGS OF YESTERDAY INC	UST
CROCKER LTD	UST
GRAVES E F JR	UST
NEW BULK PLANT	UST
KERRISK JERRY F	UST
COUNTRY STORE	UST
ALLSUPS HIGHWAY 14	UST
ALLSUPS TESUQUE	UST
TECHNICAL AREA 36 SITE 8 LOS ALAMOS NATL LAB	ERNS

# DETAIL MAP - 679255.3s - 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



<b>TARGET PROPERTY:</b> White Rock Site <b>ADDRESS:</b> White Rock Site <b>CITY/STATE/ZIP:</b> Los Alamos NM 87544 <b>LAT/LONG:</b> 35.8259 / 106.2172	<b>CUSTOMER:</b> Adelante Consulting <b>CONTACT:</b> Virginia Smith <b>INQUIRY #:</b> 679255.3s <b>DATE:</b> September 13, 2001 3:03 pm
---	--

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL ASTM STANDARD</u></b>								
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	0	NR	0
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	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE ASTM STANDARD</u></b>								
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	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
<b><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
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
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
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 ID  
Direction  
Distance  
Distance (ft.)  
Elevation

**MAP FINDINGS**

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.**

NO SITES FOUND

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
ABIQUIU	U003543165	ABIQUIU GAS AND GROCERY	HIGHWAY 84	87501	UST	26379
JACONA	S103588902	JACONA TRANSFER STATION	< 120 CUBIC YARDS/DAY	87501	SWF/LF	12673006
JACONA	S102642162	OPEN AIR MARKET	RT 5 HWY 502	87501	LUST	29792
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	
NAMBE	S100522121	NAMBE COLLECTION STATION	80 CUBIC YARDS.	87501	SWF/LF	12673004
POJOAQUE	1000893500	POJOAQUE ABANDONED MICA MINES	EAST OF HIGHWAY 285 AT POJOAQUE	87501	CERC-NFRAP	
PUEBLO OF SAN ILDEFON	1001122145	TOTAVI AREA SAND & GRAVEL OPERATION	9 MI W ON HWY 502 FROM HWY 285	87501	CERC-NFRAP	
SANTA FE	U003711653	ALLSUPS 322	ROUTE 1 BOX 23	87501	UST, LUST	26539
SANTA FE	U003192898	HANSEN LOGGING CO INC	ROUTE 10 BOX 90 K	87501	UST	28461
SANTA FE	1000893498	TESUQUE OPEN DUMP	ROUTE 11	87501	CERC-NFRAP	
SANTA FE	1001114943	ALEXANDER GRAVEL (TESUQUE PUEBLO)	ROUTE 11	87501	CERC-NFRAP	
SANTA FE	U003732562	NEW MEXICO CORRECTIONS DEPARTMENT GARAG	HIGHWAY 14	87501	UST	46502
SANTA FE	U003732563	NEW MEXICO CORRECTIONS DEPARTMENT POWER PLANT	HIGHWAY 14	87501	UST	46503
SANTA FE	U003192918	MEYER HINDS CO	ROUTE 2 BOX 216 CC	87501	UST	29400
SANTA FE	U003192924	NM STATE HWY	ROUTE 2 BOX 216 CC	87501	UST	29632
SANTA FE	U003192954	SANTA FE NM ATCT	ROUTE 20 BOX 180C	87501	UST	30456
SANTA FE	1000981009	ENVIRONMENTAL CONTROL, INC.	ROUTE 20, BOX 29	87501	SWF/LF	13849001
SANTA FE	U001891908	PUBLIC SERVICE CO OF NM B	I 25 FRONTAGE RD AND STATE R	87501	UST	1685
SANTA FE	U003543794	SANTO DOMINGO TRIBAL GAS STATION	I 25 AND SR 22	87501	UST	30486
SANTA FE	U003543793	RANCHO ENCANTADO	ROUTE 4 BOX 57 C	87501	UST	7758
SANTA FE	U003667463	SANGRE DE CRISTO CENTER	ROUTE 4	87501	UST	8981
SANTA FE	U001009696	PONCES FINA	ROUTE 5	87501	UST	30025
SANTA FE	U003192971	THOMPSON DRILLING INC	ROUTE 5 BOX 266 B	87501	UST	31091
SANTA FE	U003192847	ARMSTRONG ROOF SYSTEMS INC	RT 6 BOX 28 H AGUA FRIA RD	87501	UST	26651
SANTA FE	U003192900	HONSTEIN OIL CO	RT 6 BOX 29H	87501	UST	1409
SANTA FE	U003192915	LEEDER CONSTRUCTION CO INC (A)	ROUTE 6 WEST OF ROUTE 6	87501	UST	29074
SANTA FE	U003192929	PADILLA HENRY	RT 6 BOX 26	87501	UST	29833
SANTA FE	U003192980	WINGS OF YESTERDAY INC	ROUTE 6 BOX 180 F	87501	UST	31650
SANTA FE	U003667461	CROCKER LTD	ROUTE 8	87501	UST	27572
SANTA FE	U003192894	GRAVES E F JR	ROUTE 9 BOX 66AA	87501	UST	28383
SANTA FE	U003192923	NEW BULK PLANT	EAST FRONTAGE RD OFF HWY I25	87501	UST	29593
SANTA FE	U001387029	KERRISK JERRY F	ROUTE TEN BOX 120	87501	UST	28851
SANTA FE	U001891318	COUNTRY STORE	ROUTE US 285 1 2 MILE SOUTH	87501	UST	9576
SANTA FE	U003192839	ALLSUPS HIGHWAY 14	VALLE VISTA SUBDIVISION HIGH	87501	UST	26538
TESUQUE	U003193261	ALLSUPS TESUQUE	ROUTE 5 BOX 363	87501	UST	26540

# 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: 09/11/01

## **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: 09/12/01  
Date of Next Scheduled EDR Contact: 12/10/01

## **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: 09/11/01

## **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

WHITE ROCK SITE  
WHITE ROCK SITE  
LOS ALAMOS, NM 87544

### TARGET PROPERTY COORDINATES

Latitude (North): 35.825901 - 35° 49' 33.2"  
Longitude (West): 106.217201 - 106° 13' 1.9"  
Universal Tranverse Mercator: Zone 13  
UTM X (Meters): 390050.8  
UTM Y (Meters): 3965122.2

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-G2 WHITE ROCK, NM  
Source: USGS 7.5 min quad index

## GENERAL TOPOGRAPHIC GRADIENT AT TARGET PROPERTY

Target Property: General ESE

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>	<u>FEMA Flood</u>
LOS ALAMOS, NM	<u>Electronic Data</u>
	Not Available

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>	<u>NWI Electronic</u>
WHITE ROCK	<u>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. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

\* ©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		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		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

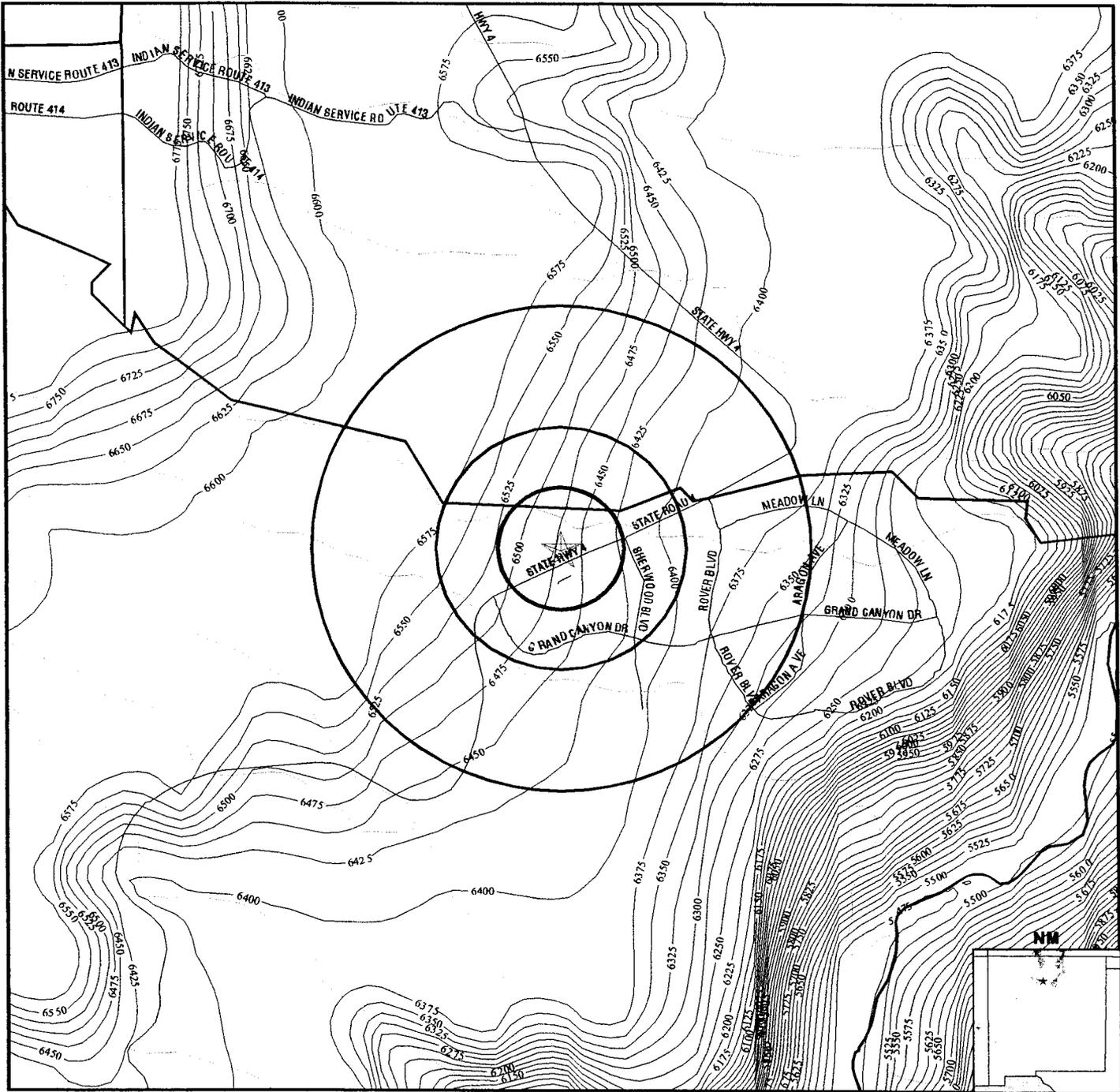
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

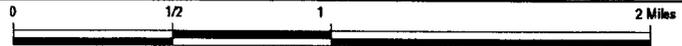
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

# PHYSICAL SETTING SOURCE MAP - 679255.3s



- Major Roads
- Contour Lines
- 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



<p><b>TARGET PROPERTY:</b> White Rock Site  <b>ADDRESS:</b> White Rock Site  <b>CITY/STATE/ZIP:</b> Los Alamos NM 87544  <b>LAT/LONG:</b> 35.8259 / 106.2172</p>	<p><b>CUSTOMER:</b> Adelante Consulting  <b>CONTACT:</b> Virginia Smith  <b>INQUIRY #:</b> 679255.3s  <b>DATE:</b> September 13, 2001 3:03 pm</p>
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# 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<sup>R</sup> 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 cursive script, 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

## White Rock Parcel

**Location:** White Rock

**Description:** The White Rock parcel occupies approximately 100 acres of largely undeveloped land; a Los Alamos County water pump station and associated utility lines are the only improvements located on the parcel. The parcel is bounded by Technical Area 54 to the west, San Ildefonso Pueblo lands to the north, New Mexico Highway 4 to the south and White Rock commercial and residential areas further to the south and east. The parcel is within the lower reaches of Cañada del Buey within the Mortandad Canyon watershed. Because the parcel is located within the Mortandad Canyon watershed, prior to the 1999 investigation described below, it was believed that the parcel could have been adversely impacted by environmental contaminants within surface water or sediments carried downstream from Los Alamos National Laboratory (LANL) operations.

**History:** Although the White Rock parcel contains no solid waste management units (SWMUs) within its boundaries, a portion of the stream channel and flood plain of Cañada del Buey, an area of concern (AOC), and therefore, by definition, a potential release site, bisects the parcel. Cañada del Buey may have received contaminants from multiple PRSs within the watershed, including PRSs within Technical Areas 46, 51, 54 and 4. However, an investigation conducted in 1999 by the Environmental Restoration (ER) Project identified no contaminants in sediments in that reach of Cañada del Buey (CDB-4) located within the White Rock land transfer parcel. Although a series of inorganic chemicals were detected at levels above Laboratory-wide sediment background levels, these levels can be attributed to a local background that differs from that of areas previously sampled for background geochemistry.

**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 White Rock parcel contains no SWMUs within its boundaries and has not been adversely impacted by contaminants transported downstream from PRSs within the watershed. Cañada del Buey, which bisects the White Rock parcel, is a PRS that is not currently on the Hazardous and Solid Waste Amendments (HSWA) module of LANL's Resource Conservation and Recovery Act permit; therefore, it is regulated under DOE's authority. In October 2000, the DOE concurred with the ER Project's recommendation that no further remedial action is required for this PRS within the White Rock parcel. Therefore, 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.

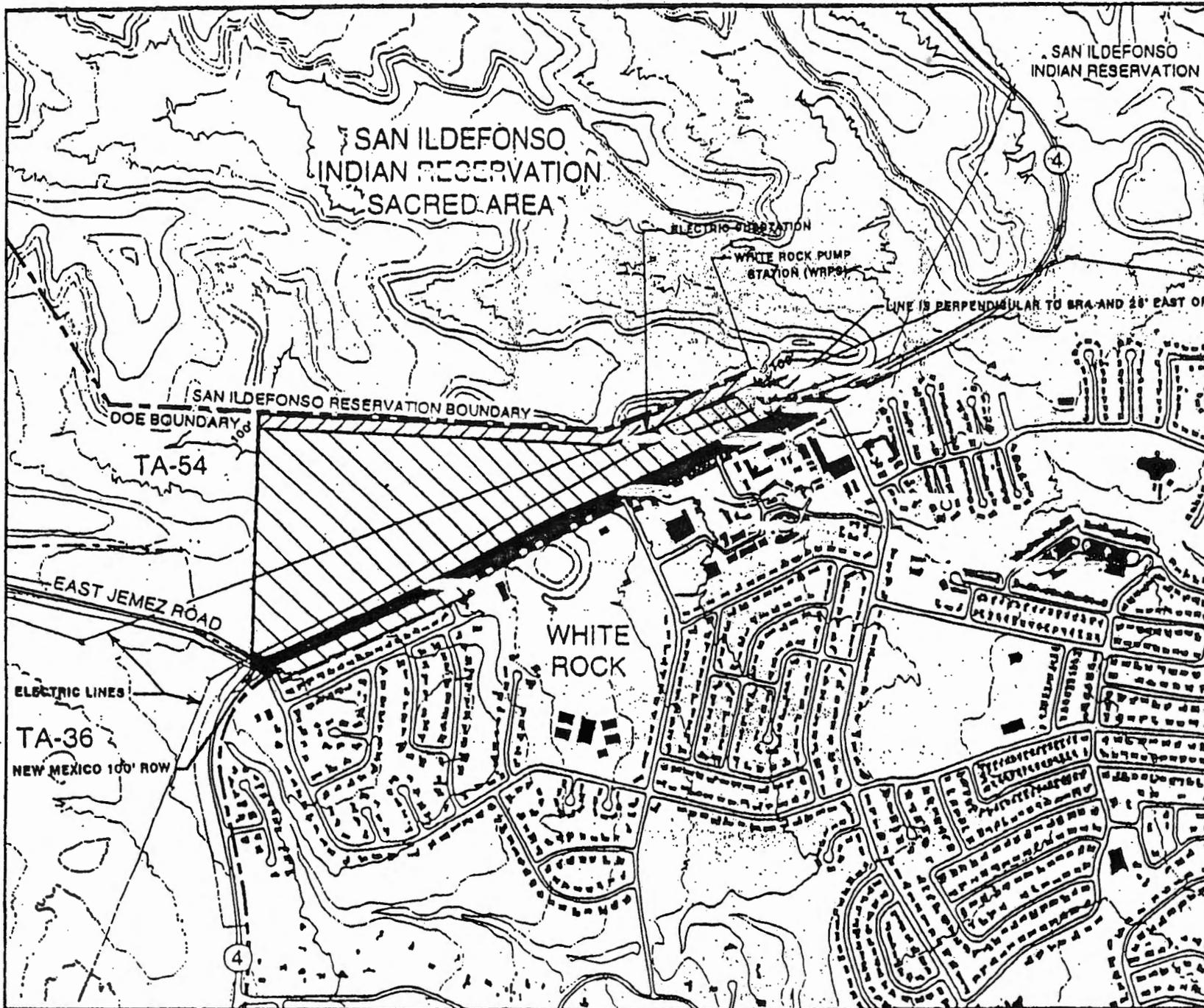
**References:** "Environmental Restoration Report to Support Land Conveyance and Transfer under Public Law 105-119," August 1999, LA-UR-4187.

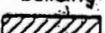
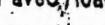
"Evaluation of Possible Sediment Contamination in the White Rock Land Transfer Parcel: Reach CDB-4," Environmental Restoration Project, October 2000, LA-UR-00-5071.

# Appendix D

## Site Map

# White Rock Site



-  Building
-  Solid Waste Management Unit
-  Paved Road
-  Dirt/gravel road
-  Gas Line
-  Power Line
-  Water Line
-  Radioactive Liquid Waste Line
-  DOE/LANL Boundary
-  TA Boundary
-  100-ft Contour
-  40' to 100' Right of Way

-  NEW MEXICO HIGHWAY DEPART.
-  SAN ILDEFONSO
-  LOS ALAMOS COUNTY

EXHIBIT 2