## PHASE I ENVIRONMENTAL SITE ASSESSMENT CASA GRANDE/EL VADO MOTEL LOTS 8A-1A, 8A-2A, 8A-3, BLOCK 6 AND LOTS 24-39, BLOCK 3 ALBUQUERQUE, NEW MEXICO

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November 6, 2009



### **Executive Summary**

INTERA Incorporated (INTERA) was retained by the City of Albuquerque (Client) to perform a Phase I Environmental Site Assessment (ESA) for the Casa Grande property located at 2412A & B and 2424 Central Avenue and the El Vado Motel property located at 2500 Central Avenue, Albuquerque, Bernalillo County, New Mexico. This facility is hereinafter referred to as the Site. The location of the Site is illustrated on Figure 1. INTERA performed this ESA in accordance with American Society for Testing and Materials (ASTM) Standard E 1527-05 (ASTM, 2005) for the purpose of providing the Client with Comprehensive Environmental Response, Compensation, and Liability (CERCLA) landowner liability protection. The objective of the INTERA Phase I ESA was to identify recognized environmental conditions (RECs) connected with the Site. The Phase I ESA scope of services included the following four components: records review, Site reconnaissance, interviews, and reporting.

The Site is located at 2412A & B, 2424, and 2500 Central Avenue in the City of Albuquerque, Bernalillo County, New Mexico, at an approximate elevation of 4,950 feet above mean sea level. The Site is comprised of 19 lots; for the purpose of this report the Site is divided into two Areas: the North Area and the South Area. The North Area contains two, one-story buildings (the vacant Casa Grande restaurant and a commercial building) with a parking lot in the southeastern portion. The North Area is bounded by New York Avenue to the south beyond which is the El Vado Motel (South Area part of the Site) and residential properties. The Monterey Motel is located on the adjoining property to the east of the Site. Central Avenue is located to the north of the North Area with Arrowhead Collision & Restoration, the 21 Motel, and a residential trailer park located further to the north. The Village Inn Restaurant and parking lot are located to the west of the Site beyond Central Avenue.

The South Area contains the vacant El Vado Motel, which includes four, one-story buildings. The South Area is bounded by Albuquerque Country Club to the south, residential properties to the east, and New York Avenue to the north beyond which is the North Area part of the Site. Central Avenue is located to the west and northwest. The Village Inn Restaurant and parking lot, Alameda Drain, Montoya Road, Transmission Specialist, and the Albuquerque Aquarium and Botanical Gardens are located beyond Central Avenue to the west.

During the Site reconnaissance, INTERA observed a pad-mounted transformer on the southern boundary of the North Area of the Site. Significant staining was observed at the concrete base of the pad-mounted transformer and surrounding surficial soils. Polychlorinated biphenyls (PCBs) content of the pad-mounted transformer is unknown. An unidentified manhole was observed immediately south of the northern building in the North Area. The owner's son, Mr. Steve Gonzales indicated that this manhole may be a sewer cleanout (M. Martinez, 2009). INTERA was unable to open the manhole during the Site reconnaissance. Two unidentified aboveground pipes were observed within the northeast corner of the North Area. The owner indicated that the



2-inch galvanized pipe is an old water well and the 1-inch galvanized pipe is an explosion-proof electrical riser used for the former Circle K sign (J. Gonzales, 2009).

INTERA was provided with a historical photograph of the Site, which show three gasoline pumps located at the front of the El Vado Motel. INTERA reviewed documents that stated that remodeling had occurred within the South Area that included gasoline station removal (New Mexico Historic Building Inventory Form, 1991) and the removal of gasoline pumps, which were located in front of the El Vado Motel office (NPS, 1993).

INTERA reviewed several historical aerial photographs of the Site and adjoining properties. INTERA determined that a former Circle K gasoline station operated at the Site from approximately 1982 to approximately 1993. In addition, INTERA determined that a former gasoline station, the former Casa Grande Chevron, operated at the adjoining property to the west, beyond Central Avenue, from approximately 1982 to approximately 1982 to approximately 1982.

Environmental Data Resources, Inc. (EDR) identified one Resource Conservation and Recovery (RCRA)-Corrective Action Site (CORRACTS) site, two state clean-up sites (SCSs), three leaking underground storage tank (LUST) sites, two underground storage tank (UST) sites, and eight orphan sites. INTERA searched the surrounding area during the Site reconnaissance and found that none of the orphan sites listed were observed to be located within each respective regulatory database approximate minimum search distance (AMSD).

INTERA performed a file review at the New Mexico Environment Department (NMED) of significant facilities identified in the EDR database report. File review information was requested from NMED for Circle K, Casa Grande Chevron, Albuquerque Aquarium and Botanical Gardens, and Ponderosa Products, Inc. facilities.

The former Casa Grande Chevron, which is located to the west of the Site beyond Central Avenue, was identified as a UST and LUST site in the EDR report (EDR, 2009a). A gasoline release was identified during the removal of the USTs in 1992. Quarterly monitoring at this facility in 1993 and 1994 indicated that light non-aqueous phase liquid (LNAPL) was no longer present in a monitoring well where it was previously identified and all groundwater samples were below the New Mexico Water Quality Control Commission (NMWQCC) standards for the applicable contaminants of concern. NMED granted No Further Action (NFA) status to this facility. The Site is located down-gradient of the facility and LNAPL was previously detected at the facility.

INTERA identified the following Site findings that indicate evidence of RECs in relationship to the Site:

- Staining at the concrete base and surrounding surficial soils of the pad-mounted transformer located immediately south of the southern North Area building;
- Historic gasoline station/gasoline pumps located at the El Vado Motel; and,



• Historic gasoline release at the Former Casa Grande Chevron located to the west of the Site beyond Central Avenue.

Other issues found at the Site include:

- The water well within the northeast portion of the North Area;
- The unidentified manhole located immediately south of the northern North Area building; and,
- The vault located in the pool maintenance room of the vacant El Vado Motel.

Based on our finding, INTERA offers the following recommendations:

- 1. The staining observed at the concrete base of the pad-mounted transformer and surrounding gravel/surficial soils indicates that a release of transformer oil has occurred to soil at the Site. Surface and subsurface soil samples surrounding the pad-mounted transformer should be collected and analyzed for PCBs to determine the extent and magnitude of the release.
- 2. A ground penetrating radar (GPR) survey should be completed adjacent to the El Vado Motel building to determine if USTs are located within the South Area of the Site.
- 3. A Phase II Site Investigation (SI) should be completed at the Site to determine if the confirmed UST release at the former Casa Grande Chevron impacted subsurface soil and groundwater at the Site. The SI should include collecting and analyzing subsurface soil and groundwater samples at the Site.
- 4. The water well in the northeast portion of the North Area should be properly abandoned according to the Office of the State Engineer (OSE) regulations.
- 5. The unidentified manhole immediately south of the northern North Area building should be opened to confirm the report that it is part of the City of Albuquerque (COA) sewer system.
- 6. The vault located in the pool maintenance room at the vacant El Vado Motel contains an unknown liquid substance. The standing liquid should be sampled and characterized for disposal.



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## Acronyms and Abbreviations

AAI	all appropriate inquiry				
AMSD	approximate minimum search distance				
AST	above-ground storage tank				
ASTM	American Society for Testing and Materials				
bgs	below ground surface				
CERCLA	Comprehensive Environmental Response, Compensation, and Liability				
Client	Act City of Albuquerque				
COA	City of Albuquerque City of Albuquerque				
CORRACTS	Corrective Action Sites				
CORRACTS	Confective Action Siles				
DMD	Department of Municipal Development				
EDR	Environmental Data Resources, Inc.				
EDAC	Earth Data Analysis Center				
EPA	U.S. Environmental Protection Agency				
ESA	Environmental Site Assessment				
2011					
°F	degrees Fahrenheit				
GPR	ground penetrating radar				
INTERA	INTERA Incorporated				
LNAPL	Light non-aqueous phase liquid				
LUST	Leaking Underground Storage Tank				
LUSI	Leaking Onderground Storage Tank				
mg/kg	milligram/kilogram				
MODF	Mineral Oil Dielectric Fluids				
NFA	No Further Action				
NMED	New Mexico Environmental Department				
NMWQCC	New Mexico Water Quality Control Commission				
OSE	Office of the State Engineer				
OWS	oil/water separator				
PCB	polychlorinated biphenyls				
PID	photoionization detector				
PNM	Public Service of New Mexico				
ppm	parts per million				
11	1 1 -				



## Acronyms and Abbreviations (Concluded)

PSTB	Petroleum Storage Tank Bureau
RCRA	Resource Conservation and Recovery
REC	recognized environmental condition
SCS	state clean-up site
Site	Casa Grande property, Lots 8A-1A, 8A-2A, and 8A-3, Block 6 and the El Vado Motel property, Lots 24-39, Block 3, Albuquerque, Bernalillo County, New Mexico
SI	Site Investigation
SOW	Scope of Work
$ft^2$	square feet
Tetra Tech	Tetra Tech EM Inc.
TPH	total petroleum hydrocarbon
TVOC	total volatile organic compound
UST	underground storage tank
USGS	U.S. Geological Survey
VRP	voluntary remediation program



## 1.0 Introduction

INTERA Incorporated (INTERA) was retained by the City of Albuquerque (COA) Department of Municipal Development (DMD) on July 28, 2009 to perform a Phase I Environmental Site Assessment (ESA) for the Casa Grande property, Lots 8A-1A, 8A-2A, and 8A-3, Block 6 and the El Vado Motel property, Lots 24-39, Block 3, in Albuquerque, Bernalillo County, New Mexico (Site) on behalf of the COA DMD (Figure 2). The COA contracted with INTERA to perform the Phase I ESA under INTERA's On-Call Environmental Services Contract No. 7772-01. Mr. Jim Hamel of the COA DMD issued Notice to Proceed #3 on July 28, 2009 and INTERA conducted the ESA in accordance with the INTERA scope of work (SOW) submitted to the COA on June 28, 2009 (INTERA, 2009). A copy of the INTERA SOW is included in Appendix A.

#### 1.1 Purpose

The purpose of this INTERA Phase I ESA is to meet the assessment and all appropriate inquiry (AAI) requirements of American Society for Testing and Materials (ASTM) Standard E 1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM, 2005). In 2005, the U.S. Environmental Protection Agency (EPA) issued "Standards and Practices for All Appropriate Inquiries, Final Rule" (EPA, 2005) and ASTM-issued ASTM Standard E 1527-05 (ASTM, 2005). Both the EPA final rule and the 2005 ASTM Standard E 1527-05 comply with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as amended by the Small Business Liability Relief and Brownfields Revitalization Act of 2002. Under the EPA final rule and the amended CERCLA regulations, as of November 1, 2006, satisfaction of the CERCLA AAI requirement for liability protection as an innocent landowner or bona fide prospective purchaser is met by an assessment conducted in accordance with ASTM Standard E 1527-05.

#### 1.2 Detailed Scope of Services

The objective of the INTERA Phase I ESA is to identify, in accordance with ASTM E 1527-05, recognized environmental conditions (RECs) connected with the Site. In general, the Phase I ESA scope of services included the following four components:

- Records Review
- Site Reconnaissance
- Interviews
- Report

#### 1.3 Significant Assumptions

The significant assumptions of the Phase I ESA are specified in the principles set forth by ASTM Standard E 1527-05 for Phase I ESA significance and use. The principles are presented in their



entirety in Section 4.5 of ASTM Standard E 1527-05 (ASTM, 2005, pp. 9-10). Briefly summarized, the INTERA significant assumptions pertaining to this Phase I ESA are as follows:

- Environmental database information (and facility locations) generated by Environmental Data Resources, Inc. (EDR) is accurate and complete;
- The COA has provided INTERA with all the information they possess, which would help determine the potential presence of recognized environmental conditions;
- Interview information provided to INTERA by various parties and individuals is accurate and was provided without bias; and,
- File review information provided by the State of New Mexico used by INTERA in the preparation of this Phase I ESA report is accurate and complete.

#### **1.4 Limitations and Exceptions**

Although the quality and clarity of resolution varied among the Earth Data Analysis Center (EDAC) aerial photographs used for this assessment, INTERA was able to obtain information about historical uses of the Site from each aerial photograph reviewed. The U.S. Geological Survey (USGS) 7.5-minute quadrangle topographic maps were of less value than the historical aerial photographs in identifying historical uses of the Site.

The findings, opinions, and conclusions contained in this report are limited to those that could be identified during a Phase I ESA performed in accordance with ASTM Standard E 1527-05. Environmental conditions may exist that could not practically and reasonably be identified. Additional tasks may be necessary to document conditions that may have changed materially since the Phase I ESA was conducted.

Visual observations of the Site ground surface were limited by the presence of several automobiles in the North Area parking lot.

#### **1.5** Special Terms and Conditions

For the purposes of this Phase I ESA report, the definition of the term "recognized environmental condition" is as outlined in Section 3.2.74 of ASTM Standard E 1527-05:

"...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of



appropriate regulatory agencies. Conditions determined to be *de minimis* are not considered recognized environmental conditions." (ASTM, 2005, p. 7)

#### 1.6 User-Reliance

This report is intended for use solely by the COA for the purpose described in Section 1.1.

#### 1.7 Report Organization

The report is organized in general accordance with the format provided in ASTM Standards E 1527-05. A list of report components and a general description of each follows:

- Section 1: Describes and documents the Phase I ESA scope of services, significant assumptions, limitations and exceptions, and special terms and conditions.
- Section 2: Describes the physical characteristics of the Site and vicinity (e.g., location, topography, geology, hydrology, soils, and current land use).
- Section 3: Lists and generally describes user-provided information.
- Section 4: Provides a list of the records that were reviewed and a summary of the information contained in each record.
- Section 5: Describes the methodology used in the Site reconnaissance and provides a brief description of the observations.
- Section 6: Lists the people interviewed.
- Section 7: Presents the findings of the Phase I ESA.
- Section 8: Presents INTERA's opinions concerning the presence of RECs.
- Section 9: Provides Phase I ESA conclusions and recommendations.
- Section 10: Lists report references.
- Sections 11: Provides INTERA's disclaimer statement.
- Section 12: Provides signatures of the environmental professionals responsible for the management of the project and development of this report.

Figure 1 shows the location of the Site on a USGS 7.5-minute quadrangle topographic map (USGS, 1996). Figure 2 provides a Site Vicinity Map with the Site lot and block numbers with a 2008 aerial photograph used as a base map. Figure 3 shows a Site Map with the photograph locations. Figure 4 is a Site Detailed Map with important Site and area features identified. Appendices, which contain Phase I ESA supportive documentation, are attached.



## 2.0 Site Description

As required by ASTM Standard E 1527-05, INTERA gathered information concerning the location, characteristics, current land uses, and physical improvements of the Site, adjoining properties, and vicinity. Sources for this information were USGS 7.5-minute historical topographic maps, geologic and hydrologic publications, historical aerial photographs, historical city directories, observations made during the Site reconnaissance, interviews, and a New Mexico Environmental Department (NMED) and Petroleum Storage Tank Bureau (PSTB) file review.

#### 2.1 Site Location and Legal Description

The Site is located at 2412A & B, 2424, and 2500 Central Avenue in the City of Albuquerque, New Mexico, at an approximate elevation of 4,950 feet above mean sea level. The Site is comprised of 19 lots. For the purpose of this report, the Site is divided into 2 Areas: the North Area (Photograph Nos. 1 and 2 – Appendix D) and South Area (Photograph No. 3 – Appendix D). These Areas are separate by New York Avenue (Figure 3).

According to the Bernalillo County Tax Assessor's online database, the North Area (center lat/long = 35.094469/106.676297) consists of three lots, which are identified as Lots 8A-1A, 8A-2A, and 8A-3, Block 6 and have a total approximate area of 1.20-acres (52,199 square feet [ft<sup>2</sup>])(Bernalillo County, 2009). The North Area will refer to all three lots herein. The North Area contains two, one-story buildings with a parking lot in the southeastern portion. The North Area is bounded by New York Avenue to the south beyond which is the El Vado Motel (South Area) and residential properties. The Monterey Motel is located on the adjoining property to the east of the Site. Central Avenue is located to the north of the North Area with Arrowhead Collision & Restoration, the 21 Motel, and a residential trailer park located further to the north. The Village Inn Restaurant and parking lot are located to the west of the Site beyond Central Avenue.

The South Area (center lat/long = 35.094142/106.676786) is identified as Lots 24-39, Block 3 and have a total approximate area of 1.26 acres (54,670 ft<sup>2</sup>). The South Area contains a vacant motel, which includes four, one-story buildings. The South Area is bounded by Albuquerque Country Club to the south, residential properties to the east, and New York Avenue to the north beyond which is the North Area part of the Site. Central Avenue is located to the west and northwest. The Village Inn Restaurant and parking lot, Alameda Drain, Montoya Road, Transmission Specialist, New York Avenue, and the Albuquerque Aquarium and Botanical Gardens are located beyond Central Avenue to the west. The Site location and referenced features are shown on Figures 1, 2, 3, and 4.

The legal description for the North Area is as follows:

• Lot 8A-1A Block 6 of Traction Park and City Electric Addition, Albuquerque, New Mexico, as the same is shown and designated on the plat thereof filed in the office of the



County Clerk of Bernalillo county, New Mexico on October 18, 1993, in Book 93C, Page 297;

- Lot 8A-2A Block 6 of Traction Park and City Electric Addition, Albuquerque, New Mexico, as the same is shown and designated on the plat thereof filed in the office of the County Clerk of Bernalillo county, New Mexico on October 18, 1993, in Book 93C, Page 297; and,
- Lot 8A-3 Block 6 of Traction Park and City Electric Addition, Albuquerque, New Mexico, as the same is shown and designated on the plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico on September 4, 1992, in Book 92C, Page 94.

The legal description for the South Area is as follows:

All the Lots Twenty-four (24) to Thirty-five (35), both inclusive, and all of Lots Thirtysix (36), Thirty-seven (37), Thirty-eight (38) and Thirty-nine (39) lying Easterly of a line drawn on a 6 degree 4' curve from a point on the North line of Lot 36, which is 10.97 feet westerly from the southeast corner thereof, all in Block number Three (3) of the WESTPARK ADDITION to the City of Albuquerque, New Mexico, as the same are shown and designated on the map of said Addition filed in the office of the County Clerk of Bernalillo County, New Mexico on December 9, 1929; THERE IS EXCEPTED from all of the above described lots the South 7.5 feet thereof.

A copy of the North Area legal description was provided to INTERA by the owner's real estate agent, Mr. Mike Martinez of Albuquerque Commercial Realty. A copy of the South Area legal description was provided to INTERA by COA representative Mr. Ed Boles, COA Historic Preservation Planner. Copies of the legal description are included in Appendix B.

#### 2.2 Site and Vicinity General Characteristics

This section of the report describes general physical characteristics of the Site and its vicinity. ASTM Standard E 1527-05 specifies that only one standard physical setting source must be checked during the Phase I ESA for information pertinent to contaminant fate and transport. The primary physical setting source used for this Phase I ESA was the most recent 1996 USGS "Albuquerque West, New Mexico" 7.5-minute topographic map for the Site (Figure 1). Discretionary physical setting sources specified by ASTM Standard E 1527-05 are USGS groundwater and geology maps, U.S. Department of Agriculture Soil Conservation Service soil maps, and other reasonably credible and ascertainable sources of reliable data and information pertinent to an evaluation of contaminant fate and transport. These discretionary physical setting sources were used to obtain the Site and vicinity physical general characteristics discussed in the following subsections.



The Site is located in an area of mixed residential, commercial, and recreational usage. Residences are located to the east and west-northwest, commercial properties are located to the north, west, and east, and recreational properties are located to the south and southwest. Central Avenue bounds the Site to the west and north and New York Avenue bisects the Site between the North and South Areas. Further Site and vicinity general characteristics are discussed in the following sections (Figure 2).

#### 2.3 Physical Settings

#### 2.3.1 Topography

A current USGS 7.5-minute topographic map showing the area where the Site is located was obtained and reviewed as specified in ASTM Standard E 1527-05 Section 7.2.3 (ASTM, 2005). The 1996 USGS "Albuquerque West, New Mexico" quadrangle map was reviewed for topography/drainage (Figure 1). According to the contour lines on the topographic maps, the Site is located at approximately 4,950 feet above mean sea level. Site topography is generally flat; surface drainage within the North Area generally flows towards the northwest and towards the west within the South Area. No storm water drains or retention ponds were observed at the Site.

#### 2.3.2 Average Precipitation and Temperature

The annual precipitation rate in Albuquerque is approximately 9.5 inches with most precipitation occurring in August. The average daytime temperature for the summer months is approximately 92 degrees Fahrenheit (°F) and the average overnight temperature for the winter months is approximately 24°F (RSSWeather, 2009).

#### 2.3.3 Geology and Hydrology

The Site is located in the south-central portion of the Albuquerque Basin. This basin is one of the largest of the south-trending series of grabens that form the Rio Grande Drainage Basin, which was formed in response to the Rio Grande Rift (Thorn et al., 1993). The Rio Grande Rift is a north- to south-trending, down-dropped area extending for more than 600 miles. The rift is an area of crustal extension originating in central Colorado and extending south through New Mexico to south of the Mexico/Texas border.

The Albuquerque Basin is filled with up to 10,000 feet of clastic sediments. The Santa Fe Formation sediments fill the majority of the basin. The Tertiary and Quaternary Santa Fe Formation is composed of unconsolidated to loosely consolidated gravels, sands, silts, and clays. The thickness of this unit ranges from 2,400 feet on the basin margins to 14,000 feet along the axis of the basin. In the vicinity of the Site, the thickness of this formation is on the order of 4,700 feet. The Santa Fe Group is overlain by Quaternary sediments, which have a similar facies distribution. These post-Santa Fe deposits are alluvial fan and floodplain deposits that are up to 200 feet thick (Thorn et al., 1993).



The Santa Fe Group and post-Santa Fe deposits are the principal water bearing units in the vicinity of the Site and are hydraulically connected (U.S. Army Corps of Engineers, 1979; Thorn et al., 1993). However, the Albuquerque Basin aquifer is anisotropic laterally and vertically due to spatial variations in the lithology of these two water-bearing units (Chamberlin et al., 1992). Clay layers 12 to 15 feet thick are commonly observed in the alluvium of the Albuquerque Basin; these clay layers restrict vertical movement of water and may locally limit hydraulic interconnection between the shallow Quaternary aquifer and the Santa Fe Group aquifer (Thorn et al., 1993). As a result of spatial variations in lithology, the hydraulic transmissivity of the Albuquerque aquifer varies tremendously from less than 10  $ft^2/day$  to 80,000  $ft^2/day$  (Thorn et al., 1993). The hydraulic conductivity of the upper part of the Santa Fe Group varies also but is estimated to average approximately 20 feet per day in the vicinity of the Site (Thorn et al., 1993).

The water table configuration in the Albuquerque area has changed considerably over time due to population growth and the resulting increases in groundwater pumping and use. Groundwater flow in the vicinity of the Site before large-scale groundwater development is thought to have been to the southwest, and this condition existed at least into the mid- to late-1930s (Thorn et al., 1993). Groundwater elevation contours representing 1960–1961 conditions in the Albuquerque area show a general southwesterly flow direction on the east side of the Rio Grande; however, a cone of depression is evident in the general area of the Site (Bjorklund and Maxwell, 1961). The cone of depression was primarily the result of pumping the Main Plant well field, previously located in the downtown Albuquerque area. The COA Main Plant wells were drilled between 1920 and 1948, and consisted of more than 23 wells; this well field is now completely abandoned. Groundwater beneath the Site was estimated to flow toward the northeast by Dames & Moore (1992a).

EDR was subcontracted to obtain additional physical setting information and well locations within a 1-mile radius of the Site and surrounding area. EDR calls this analysis GeoCheck<sup>®</sup> and a copy of their report is included in Appendix C. Wells were identified by querying the following databases:

- Public Water Systems (Source: EPA/Office of Drinking Water)
- Public Water Systems Violation and Enforcement Data (Source: EPA/Office of Drinking Water)
- USGS Water Wells USGS National Water Inventory System
- Oil and Gas Well Locations (Source: New Mexico Institute of Mining and Technology)
- Water Well Database (Source: New Mexico Office of the State Engineer [OSE])

EDR identified 32 wells within a 1-mile radius of the Site. One well was identified in a public water system database and 1 was identified in a USGS wells database. The remaining 30 wells were identified through the OSE's WATERS database. These wells are listed in the EDR database report (EDR, 2009a).



The WATERS database lists five wells within a <sup>1</sup>/<sub>2</sub>-mile radius of the Site. The database lists depth to groundwater for two of these wells as 6 and 10 feet below ground surface (bgs). Average depth to groundwater in these two wells is 8 feet bgs (EDR, 2009a).

#### 2.3.4 Soils

Soils at the Site are listed as Brazitio fine sandy loam, Brazito silty clay loam, and the Brazito complex (U.S. Department of Agriculture, 2009). Brazito fine sandy loam soils are described as poorly drained fine sandy loam (0 to 5 inches) and coarse sand (5 to 60 inches). Brazito silty clay loam soils are described as well drained silty clay loam (0 to 12 inches) and fine sand (12 to 60 inches). Brazito complex soils are described as well drained silty clay loam (0 to 10 inches) and fine sand (10 to 60 inches).

#### 2.4 Current Uses of the Site and Adjoining Properties

The North Area is currently occupied by retail stores and a vacant building. The South Area is occupied by a vacant motel. The adjoining properties are a mix of residential, commercial, and recreational uses.

#### 2.4.1 Current Uses of the Site

The North Area contains two, one-story commercial buildings with a parking lot in the southeastern portion. The South Area contains a vacant motel, which includes four, one-story buildings. Current tenants of the Site are:

- Jay Michael's Barber Shop, North Area;
- RAW MUZAK (music and T-shirt retail store), North Area;
- Vacant Casa Grande restaurant, North Area; and,
- Vacant El Vado Motel, South Area.

#### 2.4.2 Current Uses of Adjoining Properties

The North Area is adjoined by the following:

- To the east, the Monterey Motel (Photograph No. 4 Appendix D);
- To the north and west, Central Avenue, beyond which is Arrowhead Collision & Restoration, 21 Motel, Simmonds St. NW, a residential trailer park, the Village Inn Restaurant and parking lot and Transmission Specialist (Photograph Nos. 5 through 9 – Appendix D); and,
- To the south, New York Avenue, beyond which is the El Vado Motel (South Area) and residential properties (Photograph Nos. 10 and 11 Appendix D).



The South Area is adjoined by the following:

- To the east, residential properties (Photograph No. 11 Appendix D);
- To the north, New York Avenue, beyond which is a vacant restaurant and parking lot (North Area) (Photograph No. 2 Appendix D);
- To the northwest, west, and southwest, Central Avenue, beyond which is the Village Inn Restaurant, Alameda Drain, Montoya Road, Transmission Specialist, New York Avenue, and the Albuquerque Aquarium and Botanical Gardens (Photograph Nos. 8, 9, and 12 – Appendix D); and,
- To the south, the Albuquerque Country Club.

#### 2.5 Structures, Roads, and Other Site Improvements

The North Area is developed with two, one-story buildings with electrical, gas, and water utility connections. In the northeast corner of the property there are two aboveground pipes (Photograph No. 13 – Appendix D). The property owner, Josie Gonzales, indicated that the 2-inch galvanized pipe is an old water well and the 1-inch galvanized pipe is an explosive proof electrical riser used for the former Circle K sign (J. Gonzales, 2009). Behind the northern Site building there is an unlabeled manhole, which the owner's son, Mr. Steve Gonzales, believes to be a sewer cleanout (Photograph No. 14 – Appendix D) (M. Martinez, 2009). The southeast corner of the North Area consists of an asphalt-paved parking lot. On the eastern edge of the parking lot there is a concrete pad with bollards (Photograph No. 15 – Appendix D). Two pole-mounted transformers were observed at the eastern property boundary and one pad-mounted transformer was observed at the southern property boundary of the North Area. Sewer manholes were observed at the east side of the former Casa Grande restaurant building. Apparent sewer cleanouts were observed throughout the North Area (Photograph No. 16 – Appendix D).

The South Area is developed with four, one-story buildings with electrical, gas, and water utility connections. There is an outdoor pool located in the west-central portion of the South Area. Asphalt-paved parking areas are centrally located on the South Area and include carports for select individual motel rooms. INTERA observed water heaters and associated piping on the exterior of the buildings (Photograph No. 17 – Appendix D). A sewer cleanout of unknown origin was observed in the landscaped area on the South Area (Photograph No. 18 – Appendix D).



## 3.0 User-Provided Information

Information pertaining to the presence of RECs was requested and provided by the Site contacts. INTERA's contact for the North Area was Mike Martinez, real estate agent for the North Area owner, Josie Gonzales, and the contact for the South Area was COA representative Ed Boles. Copies of the questionnaires completed by Josie Gonzales and Ed Boles are included in Appendix E. The remainder of this section discusses requested user information.

#### 3.1 **Previous Reports and Documents**

INTERA was provided the following previous reports and documents for the North Area:

- "NM Environmental Department Underground Storage Tank Bureau Inspection Report, 2424 Central Avenue SW, Albuquerque, New Mexico, Case#158" (NMED, 1993); and,
- Portions of a Summary Appraisal Report, 2412 & 2424 Central Avenue SW, Albuquerque, New Mexico (American Property, 2008).

INTERA was provided the following previous reports and documents for the South Area:

- Portions of "Phase I Environmental Site Assessment, 2500 Central SW, Albuquerque, New Mexico" (Delphi, Inc., 2005);
- Portions of "Mold Assessment, 2500 Central Avenue SW, Albuquerque, New Mexico" (CERL Environmental Consultants, 2006);
- New Mexico Historic Building Inventory Form, 2500 W. Central Avenue. El Vado Motel (New Mexico Historic Building Inventory Form, 1991); and,
- United States Department of the Interior National Park Service National Register of Historic Places Registration Form, 2500 Central Avenue SW, El Vado Auto Court (NPS, 1993).

#### 3.2 Recorded Land Title Records

Recorded land title records are "records of historical fee ownership, which may include leases, land contracts, and activity and use limitations on or of the property recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction on which the property is located" (ASTM, 2005, p.7). Copies of the legal description for the Site as provided by the Site contacts are included in Appendix B.

#### 3.3 Environmental Liens or Activity and Use Limitations

An environmental lien is "a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, clean-up, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC §9607(1) and similar state or



local laws" (ASTM, 2005, p.4). Both Site contacts indicated that they did not have any knowledge of any environmental liens recorded against the property (Boles, 2009b and J. Gonzales, 2009).

INTERA contracted EDR to perform an environmental lien search for the Site. No environmental liens were identified pertaining to the Site (EDR, 2009b). INTERA accessed NMED's Voluntary Remediation Program (VRP) Site Closure list on November 6, 2009. No activity and use limitations have been placed on the Site or surrounding properties (NMED, 2009).

A copy of the EDR environmental lien search is included in Appendix B.

#### 3.4 Specialized Knowledge

The North Area was formerly developed as a Circle K gasoline station. The site owner provided a NMED Inspection Report regarding the removal of the three 8,000-gallon gasoline underground storage tanks (USTs) (NMED, 1993). The report indicated that a release from the USTs had not occurred.

INTERA was provided asbestos sample results from a Phase I ESA Report that was completed at the South Area (Delphi, Inc., 2005). The results of the samples indicated that building materials within the El Vado Motel contain asbestos. Mr. Boles indicated that asbestos abatement had been completed by the owner (Boles, 2009). Additionally, INTERA was provided with a mold assessment report completed at the El Vado Motel (CERL Environmental Consultants, 2006). Results of the mold assessment confirmed mold growth throughout several sections of the motel. Mr. Boles provided a historical picture of the El Vado Motel, which showed three gasoline pumps located adjacent to the office. INTERA viewed documents that stated that remodeling had occurred within the South Area that included gasoline station removal (New Mexico Historic Building Inventory Form, 1991) and the removal of gasoline pumps, which were located in front of the El Vado Motel office (NPS, 1993). Copies of these documents are included in Appendix G.

The property owner and the COA provided no additional specialized knowledge related to the presence of RECs at the Site or adjoining properties (J. Gonzales, 2009 and Boles, 2009b).

#### 3.5 Commonly Known or Reasonably Ascertainable Information

The North Area contains a vacant restaurant, a leased building, and an asphalt parking lot. Historical uses include a gasoline station and retails stores. The current owners of the North Area are Melecio and Josie F. Gonzales.

The South Area was first developed in approximately 1937 when the El Vado Motel was constructed. The El Vado Motel has had several owners and has been used as a motel since it was first constructed. The current owner of the South Area is listed as Richard L. Gonzales.



#### 3.6 Owner, Property Manager, and Occupant Provided Information

Information was obtained for the North Area from the owner's real estate agent, Mr. Mike Martinez, during an interview conducted on September 8, 2009 and through e-mail on September 25, 2009. Mr. Martinez provided information regarding current use of the Site and environmental history of the Site. More detailed information from this interview is included in Section 6.1.

Information was obtained for the South Area from COA representative, Mr. Ed Boles, during an interview conducted on September 8, 2009. Mr. Boles provided information regarding historic and current use of the Site as well as environmental history of the Site. More detailed information from this interview is included in Section 6.1.



## 4.0 Records Review

In accordance with ASTM requirements, INTERA reviewed previous reports, historical land use documents, and standard federal, state, local, and tribal environmental regulatory agencies documents. A listing of the records reviewed and brief description of each is provided in the subsections below.

#### 4.1 **Previous Reports**

INTERA reviewed the following previous reports:

- "NM Environmental Department Underground Storage Tank Bureau Inspection Report, 2501 Central Avenue SW, Albuquerque, New Mexico, Case#059" (NMED, 1992);
- "On-Site Investigation Report, Casa Grande Chevron Facility, 2501 Central Avenue NW, Albuquerque, New Mexico" (Dames & Moore, 1992a);
- "Hydrogeologic Investigation Report, Casa Grande Chevron Facility, 2501 Central Avenue NW, Albuquerque, New Mexico" (Dames & Moore, 1992b);
- "NM Environmental Department Underground Storage Tank Bureau Inspection Report, 2424 Central Avenue SW, Albuquerque, New Mexico, Case#158" (NMED, 1993);
- "Quarterly Monitoring Report, Casa Grande Chevron Facility, 2501 Central Avenue NW, Albuquerque, New Mexico" (Dames & Moore, multiple reports, 1993-1995);
- "NM Environmental Department Underground Storage Tank Bureau Inspection Report, 2601 Central Avenue SW, Albuquerque, New Mexico, Case#654" (NMED, 1996);
- "No Further Action Status for Former Casa Grande Facitlity, 2501 Central S.W., Albuquerque, New Mexico" (NMED, 1997);
- "Phase II ESA & Remediation Report, Ponderosa Products, Inc., Site. " (Tetra Tech, 2005);
- "Phase II ESA Rail Spur Area, Ponderosa Products, Inc., Site." (Tetra Tech, 2007); and,
- "Rail Spur Area, Remediation Completion Report, Ponderosa Products, Inc. Site." (Tetra Tech, 2009).

The reports listed above were reviewed based on the findings of the EDR database report and interviews with the Site contacts (see Section 4.3). These reports are discussed in further detail in Section 4.4.

#### 4.2 Historical Use of the Site and Adjoining Properties

INTERA reviewed historical aerial photographs and historical topographic maps for the purpose of identifying past land uses that may indicate that hazardous materials or petroleum products



were used at the Site and/or adjoining properties. Historical aerial photographs were obtained from EDAC of Albuquerque, New Mexico. Copies of the historical aerial photographs, which show Site boundaries, are included in Appendix F. Historical topographic maps, copies of which are included in Appendix F, were obtained from EDR of Milford, Connecticut. Sanborn<sup>®</sup> Fire Insurance Maps were not available for the Site, the Sanborn<sup>®</sup> No Coverage Report from EDR is included in Appendix F. INTERA also searched for Historic City Directories and Sanborn<sup>®</sup> Fire Insurance Maps at the COA Special Collections Library for information concerning historical use of the Site and surrounding properties. Sanborn<sup>®</sup> Fire Insurance Maps were viewed at the library but there was no Site or area coverage in any of the maps viewed. Historic City Directories were available. A summary of the historical records reviewed is provided in the following subsections.

#### 4.2.1 Historical Aerial Photographs

INTERA reviewed historical aerial photographs provided by EDAC dated 1935, 1947, 1954, 1959, 1967, 1973, 1982, 1991, 1999, and 2008 in order to develop a history of development and land use associated with the Site and adjoining properties (EDAC, 2009). Summaries of each aerial photograph are included below and the photographs are included in Appendix F.

- 1935:
  - The resolution of the aerial photograph is not good although the Site appears to be undeveloped.
  - The adjoining properties to the north, east, south, and west appear to be undeveloped and/or agriculture. Dirt roads exist where Central Avenue and New York Avenue are currently located.
- 1947:
  - The Site is developed. The North Area of the Site appears to be developed with three buildings. The South Area is developed with the El Vado Motel; the four buildings appear as they are currently configured.
  - The adjoining properties to the north, east, and west are developed with what appears to be commercial/retail buildings. A golf course is located south of the Site. An asphalt-paved road exists where Central Avenue and New York Avenue are currently located.
- 1954:
  - Site development is similar to the 1947 historical aerial photograph.
  - Adjoining properties: additional residential development is observed to the north and west of the Site.



- 1959:
  - Site development is similar to the 1954 historic aerial photograph.
  - Adjoining properties: additional residential and commercial development is observed to the north and west of the Site.
- 1967:
  - Site development is similar to the 1959 historic aerial photograph.
  - Adjoining properties: development is similar to the 1959 historic aerial photograph.
- 1973:
  - Site development is similar to the 1967 historic aerial photograph.
  - Adjoining properties: additional residential development is observed to the west of the Site.
- 1982:
  - Site: the North Area of the Site has been redeveloped and now contains two buildings with different footprints than observed in the previous years. The South Area development is similar to that observed in the 1973 historical aerial photograph.
  - Adjoining properties: development is similar to the 1973 historical aerial photograph.
- 1991:
  - This historical aerial photograph has poor resolution; the Site appears to be developed although buildings cannot be easily recognized.
  - Adjoining properties: development is similar to the 1982 historical aerial photograph.
- 1999:
  - Site: the North Area Site contains buildings that appear as they are currently developed. The South Area development is similar to that observed in the 1982 historical aerial photograph.



- Adjoining property development is similar to the 1982 historical aerial photograph with the exception of the adjoining property to the west/southwest has been redeveloped and buildings appear as they are currently configured.
- 2008:
  - Site development is similar to the 1999 historical aerial photograph.
  - Adjoining property development is similar to the 1999 historical aerial photograph.

#### 4.2.2 Historical Topographic Maps

Historical topographic maps dated 1954, 1960, 1967, 1972, and 1990 were reviewed for this report (EDR, 2009c). Summaries of the development in each historical topographic map are included below and copies of the maps are included in Appendix F.

- 1954:
  - The topographic map shows the Site and surrounding areas to the north and east to be highly developed. The Albuquerque golf course is located south of the site and residential development is observed west of the Site. There are multiple commercial/retail buildings located southwest of the Site.
- 1960:
  - Development observed in this topographic map is identical to the development observed in the 1954 topographic map with the exception that the highly developed areas to the north and east of the Site have extended to the west of the Site.
- 1967:
  - Development observed in this topographic map is identical to the development observed in the 1960 topographic map.
- 1972:
  - Development observed in this topographic map is identical to the development observed in the 1967 topographic map.
- 1990:
  - Development observed in this topographic map is identical to the development observed in the 1960 topographic map with the exception that the many of the buildings located west and southwest of the Site no longer exist.



#### 4.2.3 Sanborn<sup>®</sup> Fire Insurance Maps

EDR was contracted to perform a search of Sanborn<sup>®</sup> Fire Insurance Maps. No Sanborn<sup>®</sup> maps exist for the Site, adjoining properties, or the immediately surrounding area (EDR, 2009d). A copy of the EDR No Coverage Report is provided in Appendix F. INTERA also searched for Sanborn<sup>®</sup> Fire Insurance Maps at the COA Special Collections Library. Sanborn<sup>®</sup> Fire Insurance Maps were reviewed at the library but there was no Site or area coverage available.

#### 4.2.4 Historical City Directories

INTERA reviewed COA Historical City Directories located at the COA Special Collections Library to determine current and historical uses of the Site and adjoining properties. City Directories list businesses by address, and therefore provide a convenient method for researching the historical uses of a property. INTERA reviewed Albuquerque City Directories for the years 1935, 1936, 1937, 1938, 1939, 1940, 1942, 1944, 1945-46, 1947, 1954, 1957, 1961, 1965, 1968, 1972, 1974, 1975, 1976, 1977, 1978, 1979, 1981, 1982, 1983, 1984, 1985, 1987-88, 1989, 1990, 1991, 1992, 1993, 1994, 1996, 1999, and 2005.

The South Area of the Site, 2500 Central Avenue, was listed as the El Vado Motel from 1938 to 2005, with the exception of the years 1984 to 1988 when it was listed as vacant (Table 1A).

The North Area of the Site, 2400 (2412 and 2424) Central Avenue, was listed as the Pueblo Bonito Court from 1940 to 1975. The address changed from 2400 Central Avenue to the current address of 2424 Central Avenue in 1945. The North Area of the Site was identified as the Plaza Gift Shops in 1976 and 1977, which included a jewelry, rock and gem, sand painting, produce, and sign stores. In 1977, a portion of the North Area of the Site was vacant while the other portion was occupied by an upholstery shop. The North Area of the Site was vacant from 1979 to 1981; from 1982 to 1983 it was listed as Santillaneslil, which is assumed to have been the owner of the North Area of the Site. From 1984 to 1990, 2424 Central Avenue was listed as a Circle K gasoline station. The address 2412 Central Avenue was first identified in 1985. From 1985 to 1989, 2412 Central Avenue was listed as a donut shop; in 1990 it was listed as vacant. From 1990 to 1992, 2424 and 2412 Central Avenue are listed as being vacant. In 1994, 2412 Central Avenue was listed as Cigarettes & Stuff, 2412b Central Avenue was listed as Crossroads Barber Shop, and 2424 Central Avenue was listed as Casa Grande Restaurant. From 1996 to 1999, 2412 and 2424 Central Avenue was listed as Cigarettes & Stuff and Casa Grande Restaurant, respectively. In 2005, the Casa Grande Restaurant was identified as 2424 Central Avenue. 2412 Central Avenue was not listed.

#### 4.3 Environmental Records Review

EDR was subcontracted to provide a list of regulatory facilities within a specified radius of the Site. The EDR report, "EDR Radius  $Map^{TM}$  Report with GeoCheck<sup>®</sup>, Casa Grande" (EDR, 2009a) is included in Appendix C.



EDR searched 60 separate federal, state, tribal, and EDR proprietary databases using the appropriate approximate minimum search distance (AMSD) radius for each database as specified by ASTM E 1527-05. Brief descriptions of the results of the record sources searched are provided in the Executive Summary on pages 1 to 7 of the EDR report. INTERA descriptions of the record sources searched and summaries of the results obtained are provided in this Section.

#### 4.3.1 Mapped Locations

Based on the results of the environmental record searches, EDR mapped locations potentially related to RECs connected with the Site and/or adjoining properties. The mapped locations are outlined in Table 3 and shown on the EDR report included in Appendix C.

#### 4.3.2 Federal RCRA-CORRACTS Sites

The Federal Resource Conservation and Recovery Act (RCRA)-Corrective Action Sites (CORRACTS) database is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

The only facility identified within the Federal RCRA CORRACTS AMSD is Ponderosa Products Inc., located approximately <sup>3</sup>/<sub>4</sub> miles northeast of the Site (EDR, 2009a). A RCRA Facility Assessment was completed at this facility on March 27, 1998 (EDR, 2009a). A Certification of Remedy Completion or Construction Completion was issued on May 26, 2005 indicating that "...the RCRA facility has completed construction of a facility's remedy that was designed to achieve long-term protection of human health and the environment..." (EPA, 2009). On May 26, 2005, the Corrective Action Process Terminated and Date for Remedy Selection (CM Imposed) status was achieved, indicating the completion of the corrective action.

#### 4.3.3 State Cleanup Sites

State Cleanup Sites (SCS) fall under the State of New Mexico's Water Quality Control Commission (NMWQCC) regulations. The EDR database includes those SCS facilities within 1 mile of the Site. A review of the SCS list has revealed that there are two SCS facilities within approximately <sup>3</sup>/<sub>4</sub> miles of the Site (EDR, 2009a).

Kelly's Transmission is located approximately ½ mile southeast of the Site. A release from the facility's hydraulic lifts and oil water separator (OWS) occurred at an unknown date (EDR, 2009a). Remedial actions taken include the removal of 12 hydraulic lifts, removal of the OWS, soil excavation, and monitoring well sampling (EDR, 2009a). The site was closed on March 23, 2007 (EDR, 2009a).

Ponderosa Products, Inc. is located approximately <sup>3</sup>/<sub>4</sub> miles northeast of the Site. A release occurred in January 1984 resulting in a wastewater discharge of nitrates and formaldehyde. A



settlement agreement was achieved and quarterly sampling was completed. The site was closed on February 2, 2002 (EDR, 2009a).

#### 4.3.4 LUST Sites

The leaking underground storage tank (LUST) incident reports contain an inventory of reported LUST incidents in New Mexico. The data are derived from the NMED PSTB list of past and current leaking tank sites, sorted by location. A review of the PSTB LUST list has revealed that there are three LUST sites within <sup>1</sup>/<sub>2</sub> mile of the Site (EDR, 2009a).

The former Casa Grande Chevron was located to the west of Central Avenue adjacent to the Site's South Area. A gasoline release occurred in June 1992 and a A status of No Further Action (NFA) was granted by NMED in April 1997 (EDR, 2009a). A file review was completed for this facility and a summary of the information reviewed is included in Section 4.4 of this report.

The Sylvain Steinlauf facility is located approximately <sup>1</sup>/<sub>4</sub>-mile east of the Site. A release of a petroleum product occurred in April 1992 and a NFA status was granted by NMED in July 1992 (EDR, 2009a). No other information was determined to be readily available regarding this release.

The Spillman Site is located approximately <sup>1</sup>/<sub>4</sub>-mile northeast of the Site. A release of a petroleum product occurred in June 1991 and a NFA status was granted by NMED in March 1993 (EDR, 2009a). No other information was determined to be readily available regarding this release.

#### 4.3.5 Registered UST Sites

The NMED PSTB registered tank list is a compilation of all petroleum UST and aboveground storage tank (AST) sites registered with the State of New Mexico. Five registered tank sites were identified (EDR, 2009a). The AMSD for registered tank sites is the subject site and adjoining properties. Two registered tank sites were identified on adjoining properties and one registered tank site located at the Site (EDR, 2009a). A file review at NMED was completed for the three registered tank sites and a more detailed discussion of these sites is in Section 4.4.

Circle K gasoline station, which was located within the North Area of the Site, is a registered tank facility. Three 8,000-gallon USTs were removed from the Site at an unknown date and no violations were reported (EDR, 2009a).

Casa Grande Chevron, which is located to the west of the Site beyond Central Avenue, is listed as a registered tank facility (EDR, 2009a). One 6,000-gallon and two 10,000-gallon gasoline USTs were removed from the facility (EDR, 2009a). This facility is also identified as a LUST and is discussed in Section 4.3.4 of this report.

Additionally, Albuquerque Aquarium and Botanical Gardens, which is located to the southwest of the Site beyond Central Avenue, is listed as a registered tank facility (EDR, 2009a). One



4,000-gallon used oil UST was removed from the facility and no violations were reported (EDR, 2009a).

#### 4.3.6 Orphan Sites

Orphan sites are defined as facilities that cannot be mapped due to poor or inadequate address information. Eight orphan sites were identified (EDR, 2009a). INTERA searched the surrounding area during the Site reconnaissance. None of the eight orphan sites were observed to be located within each respective regulatory database AMSD.

#### 4.4 File Review Information

File review information was requested from NMED for Circle K, Casa Grande Chevron, Albuquerque Aquarium and Botanical Gardens, and Ponderosa Products, Inc. facilities. Summaries of the most applicable file review information and environmental report sources are included below. Copies of the reports (or portions of the reports) are provided in Appendix G.

#### 4.4.1 Former Casa Grande Chevron

#### New Mexico Underground Storage Tank Bureau Inspection Report, Case#059 (NMED, 1992)

In June 1992, NMED oversaw the removal of two 10,000-gallon and one 6,000-gallon gasoline USTs. The report states that the tanks were installed at an unknown date and were of steel construction. NMED did not observe any holes during removal activities but did observe evidence of overfilling around the fill tubes. Additionally, black soil staining was observed in the tank excavation indicating an old spill. Six soil samples were taken from the tank excavation to measure total volatile organic compounds (TVOCs) using the photoionization detector (PID) headspace method. TVOCs were detected by the PID at concentrations ranging from 160 to 500 parts per million (ppm). NMED confirmed visual observations that a spill had occurred and further investigation was required.

# On-Site Investigation Report, Casa Grande Chevron Facility, 2501 Central Avenue NW, Albuquerque, New Mexico (Dames & Moore, 1992)

This report presented the results of an on-Site Investigation conducted as a result of a release of gasoline discovered during UST removal activities. In June 1992, Dames & Moore collected 12 soil samples from the limits of the tank excavation, oversaw the advancement of 11 soil borings, installed 9 groundwater monitoring wells, and took representative soil and groundwater samples. Analytical results showed soil contamination within the eastern side of the UST excavation with total petroleum hydrocarbon (TPH) concentrations as elevated as 19,000 ppm. Additionally, soil contamination was found adjacent to the former pump islands on the eastern side of the site adjacent to Central Avenue with TPH concentrations as elevated as 3,400 ppm. Groundwater contamination was detected in monitoring wells MW-6 and MW-7 above NMWQCC standards for benzene and total xylenes. One-quarter inch of light non-aqueous phase liquid (LNAPL) was measured in monitoring well MW-3A, therefore it was not sampled.



# *Hydrogeologic Investigation Report, Casa Grande Chevron Facility, 2501 Central Avenue NW, Albuquerque, New Mexico (Dames & Moore, 1992b)*

This report presents the results of a Hydrogeologic Investigation conducted as a result of elevated benzene in MW-7 and LNAPL in monitoring well MW-3A. In September 1992, Dames & Moore oversaw the installation of three off-site monitoring wells, collected groundwater samples from all groundwater monitoring wells, and completed water level measurements and a survey to determine the direction of groundwater flow (Figure 4). Dames & Moore determined that the local groundwater flow direction was towards the northeast. None of the detected contaminants were found to exceed NMWQCC standards and MW-3A was not observed to contain detectable LNAPL. No analytes were detected above their corresponding reporting limits in any of the off-site monitoring wells, which include a monitoring well within the South Area of the Site (MW-11). Based on these results, Dames & Moore recommended quarterly groundwater sampling continue with no recommendation for any remediation.

## Quarterly Monitoring Groundwater Monitoring Reports for the former Casa Grande Chevron Facility, 2501 Central Avenue NW, Albuquerque, New Mexico (Dames & Moore, 1993-1995)

INTERA reviewed eight quarterly groundwater reports completed by Dames & Moore. Three on-site and one off-site monitoring wells were sampled quarterly and analyzed for benzene, toluene, ethyl benzene, xylenes, and methyl tert-butyl ether. Detected contaminants were below the applicable NMWQCC groundwater standards for eight consecutive quarters. Therefore, Dames & Moore requested that NFA status be granted by NMED.

# No Further Action Status for Former Casa Grande Facility, 2501 Central S.W., Albuquerque, New Mexico (NMED, 1997)

In April 1997, the Former Casa Grande Facility received a NFA determination from NMED. NMED determined that a NFA was appropriate based on the sampling results below the applicable NMWQCC groundwater standards during eight quarters of groundwater monitoring.

#### 4.4.2 Former Circle K

#### New Mexico Underground Storage Tank Bureau Inspection Report, Case#158 (NMED, 1993)

In April 1993, NMED oversaw the removal of three 8,000-gallon gasoline USTs at the Former Circle K gasoline station previously located within the North Area of the Site. The inspection report states that the USTs were installed in 1982 and were of fiberglass construction. The USTs and all ancillary piping were removed and were found to be in very good condition. Five soil samples were taken from the UST excavation and screened for TVOCs using the PID headspace method. TVOCs were detected by the PID at a maximum of 36.8 ppm. NMED determined that the USTs were in good condition when removed and that a release had not occurred.



#### 4.4.3 Albuquerque Aquarium and Botanical Gardens

#### New Mexico Underground Storage Tank Bureau Inspection Report, Case#654 (NMED, 1996)

In July 1996, NMED oversaw the removal of one 4,000-gallon used oil UST at the Albuquerque Aquarium and Botanical Gardens facility. The report states that the UST was installed circa 1950 and was of steel construction. NMED observed heavy rust and a small hole on the top of the south end of the UST during removal activities. Additionally, soil staining was observed at the south end of the UST near the product fill line. No pipe fittings were observed for the product line; NMED reported that the product line slid into the UST. Two soil samples were collected and submitted for analysis of TPH by EPA Method 418.1. TPH was detected at a maximum of 26 milligrams/kilograms (mg/kg). NMED determined that a release had not occurred.

#### 4.4.4 Ponderosa Products, Inc.

#### Phase II ESA & Remediation Report, Ponderosa Products, Inc., Site (Tetra Tech, 2005)

In December 2005, Tetra Tech EM Inc. (Tetra Tech) submitted a Phase II ESA and Remediation Report to the NMED for the Ponderosa Products, Inc. facility, a former particle board manufacturing facility. Tetra Tech indentified petroleum hydrocarbon, arsenic, and iron soil contamination at the property. Multiple concrete structures containing liquid waste were located at this facility. Tetra Tech collected and submitted liquid waste samples for chemical analysis from these concrete structures. Results of the liquid waste testing indicated that the liquid waste was non-hazardous. During August and September 2005, Tetra Tech oversaw the removal of approximately 29,250-gallons of liquid waste, the excavation of approximately 188 cubic yards of petroleum contaminated soil from six locations, and the collection of confirmatory samples. Based on the results of confirmation samples, petroleum contamination had been reduced but the extent of arsenic and iron contamination required further investigation.

#### Phase II ESA Rail Spur Area, Ponderosa Products, Inc., Site (Tetra Tech, 2007)

In May 2007, Tetra Tech submitted a Phase II ESA to the NMED for the Rail Spur section of the Ponderosa Products, Inc. facility. Tetra Tech evaluated the vertical and lateral extent of the arsenic and iron contamination along the railroad spurs located at the western edge of the Ponderosa Products, Inc. facility. Tetra Tech determined that the distribution of the contamination was localized to the immediate area of the railroad spur.

#### Rail Spur Area, Remediation Completion Report, Ponderosa Products, Inc. Site (Tetra Tech, 2009)



In March 2009, Tetra Tech submitted a Remediation Completion Report to the NMED for the Rail Spur Area of the Ponderosa Products, Inc. facility. Tetra Tech oversaw the removal of the top 2 feet soil from the immediate area of the railroad spur. Approximately 1,400 tons of arsenic-and iron-contaminated soil was removed for off-site disposal. Tetra Tech obtained confirmation samples, which confirmed that residual contamination was below the acceptable risk levels.

The Ponderosa Products, Inc. reports reviewed did not indicate that groundwater investigation activities had occurred at this facility.



### 5.0 Site Reconnaissance

INTERA conducted a Site reconnaissance on September 8, 2009. Methodology for Site reconnaissance was based on ASTM Standard E 1527-05 (ASTM, 2005). During the Site reconnaissance, any observations of the following were described and their locations documented: structures, physical features, overhead and subsurface utilities and transformers potentially containing polychlorinated biphenyls (PCBs), visual surface disturbances, storage tanks and containers, and conditions associated with potential releases of hazardous materials or petroleum hydrocarbons to the surface. The findings of the Site reconnaissance are summarized in this section and in Section 7.8 of this report.

#### 5.1 Methodology and Limiting Conditions

INTERA's field methodology for the Site reconnaissance and adjoining properties entailed a physical inspection of the observed ground surface conditions and characteristics. The Site boundaries were walked and several areas within the Site were traversed in order to visually observe as much of the ground surface as possible. Representative areas of the interior of all Site buildings were inspected. Key observations were recorded using Site photographs and field notes. Access to the Site and adjoining properties was not limited during Site reconnaissance. INTERA personnel were accompanied during the North Area Site reconnaissance by Mike Martinez, the North Area owner's real estate agent. During the South Area Site reconnaissance, INTERA was accompanied by Ed Boles, COA Historic Preservation Planner.

Photographs 1 through 30 in Appendix D document visual observations of the Site and adjoining properties made during the Site reconnaissance.

#### 5.2 Physical Inspection of the Site

INTERA physically inspected the Site and specifically sought to identify any RECs or evidence of potential RECs as specified in Section 9.4.2 of ASTM Standard E 1527-05 (ASTM, 2005). These conditions or potential evidence of RECS are presented below; a check mark in any box indicates that INTERA observed evidence of the item during the Site inspection.

Hazardous substances and /or petroleum products in connection with identified property uses		Hazardous substance and/or petroleum product containers		Stressed vegetation
Storage tanks		Unidentified substance containers		Solid waste
Odors	$\boxtimes$	PCBs		Wastewater
Pools of liquid		Pits, ponds, or lagoons	$\boxtimes$	Wells
Drums/Containers		Stained soil or pavement		Septic systems



#### 5.2.1 Hazardous Substances and/or Petroleum Products in Connection with Identified Property Uses

Several compressed gas cylinders were observed in the kitchen area of the Casa Grande Restaurant (Photograph No. 19 – Appendix D). The cylinders contain compressed carbon dioxide. Carbon dioxide gas is non-flammable but is an asphyxiant at high concentrations. INTERA observed several gallons of industrial cleaning supplies, 1 gallon of kerosene, and several 1-gallon containers of paint, throughout the Casa Grande Restaurant (Photograph No. 20 – Appendix D). The containers were stored on the ground and not within secondary containment. Neither staining nor floor cracks were observed at the base of these containers.

#### 5.2.2 Storage Tanks

INTERA did not observe any evidence of ASTs or USTs during the Site reconnaissance.

#### 5.2.3 Drums/Containers

INTERA did not observe any drums/containers during the Site reconnaissance.

#### 5.2.4 Equipment Potentially Containing PCBs

There are two pole-mounted transformers at the eastern property boundary and one pad-mounted transformer at the southern property boundary of the North Area. No staining was observed at the base of the pole-mounted transformers. Significant staining was observed at the concrete base of the pad-mounted transformer and surrounding gravel/surficial soils (Photograph Nos. 21 and 22 – Appendix D). The transformers did not contain labels indicating the PCB content of the mineral oil dielectric fluid (MODF). Public Service of New Mexico (PNM) was contacted on October 2, 2009 regarding the PCB status of the transformers and the staining observed at the base of the pad-mounted transformer. INTERA left a message with Don Wilkerson of PNM on October 16, 2009 to follow up on the status of the transformer. INTERA has not received a response from PNM as of the date of this report.

#### 5.2.5 Pits, Ponds, or Lagoons

INTERA did not observe any pits, ponds, or lagoons during the Site reconnaissance.

#### 5.2.6 Solid Waste

INTERA did not observe any solid waste open dumping on the ground surface or solid waste containers during the Site reconnaissance.

#### 5.2.7 Other Observations

The North Area's northern Site building contains a barber shop and t-shirt shop (Photograph Nos. 4 and 5 – Appendix D). One floor drain was observed in the t-shirt shop. On the exterior of the building, the former Cigarettes & Stuff business drive-thru window was evident. An unidentified manhole was observed immediately south of this building. The owner indicated that this manhole may be a sewer cleanout (M. Martinez, 2009). INTERA representatives attempted



to open the manhole but were unable to do so during the Site reconnaissance. Additionally, two unidentified, raised, aboveground pipes were observed within the northeast corner of the North Area. The owner indicated that the 2-inch galvanized pipe is an old water well and the one-inch galvanized pipe is an explosion-proof electrical riser used for the former Circle K sign (J. Gonzales, 2009).

The North Area's southern Site building, the vacant Casa Grande restaurant, contains a large dining room, kitchen prep area, restrooms, back office, and kitchen. Several floor drains were observed in the kitchen and kitchen preparation areas, which are reported to be connected to the municipal sewer (Martinez, 2009) (Photograph No. 23 – Appendix D). Water staining was observed on multiple sections of the drop ceiling tiles and several of the tiles have crumbled and fallen onto the floor indicating a leaking roof (Photograph No. 24 – Appendix D). Rodent droppings were observed throughout the building, mainly in the kitchen and kitchen prep areas. Grease from the fryers was observed to be leaking onto the floor (Photograph No. 25 – Appendix D).

The South Area Site buildings contains El Vado Motel rooms of several different sizes with some including kitchenettes. INTERA viewed approximately five of the motel rooms. The majority of the appliances have been torn out and the carpets and baseboards have been removed (Photograph Nos. 26 and 27 – Appendix D). INTERA observed a significant amount of debris left in the motel rooms inspected. Water staining was observed on the ceiling and walls and many of the ceilings were collapsing and had insulation coming through indicating a leaking roof (Photograph Nos. 28 and 29 – Appendix D). The pool maintenance room contained a large water heater and a vault in the floor. Mr. Boles of the COA did not know the purpose of the vault, although he did indicate that historically the pool maintenance room was a carport (Boles, 2009). The vault had two sides with a drain in one side that was filled with an unknown liquid. The purpose of the vault is not known (Photograph Nos. 30 and 31 – Appendix D).



### 6.0 Interviews

INTERA conducted and documented interviews with the current property owner, key site manager, adjoining property owners, occupants, local and state government representatives, and other persons who were likely to be knowledgeable of the Site and adjoining properties. Interview documentation forms are included in Appendix E.

The requirements of ASTM Standard E 1527-05 for interviews are specified in Sections 10 and 11 of the standard (ASTM, 2005 pp.18, 19). In accordance with these requirements, INTERA conducted interviews with the North Area owner's representative and for the South Area a COA representative (considered site manager). Unless noted otherwise, interviews were conducted in person and by telephone using interview questions prepared in advance of the interview. As specified in ASTM Standard E 1527-05, INTERA conducted the interviews to obtain information about potential environmental conditions at the Site.

#### 6.1 Interview with Manager (South Area of the Site)

Mr. Ed Boles, COA Historic Preservation Planner, was interviewed concerning current and historical uses of the South Area of the Site. Mr. Boles has worked with the COA and has helped oversee the El Vado Motel for several years. The COA has permanent possession of the El Vado Motel but is not the legal owner. The COA is currently in litigation with the legal owner to obtain legal ownership of the El Vado Motel; therefore, INTERA did not conduct an interview with the legal owner as requested by the COA. Mr. Boles indicated that the El Vado Motel was built in the 1930s and closed in 2005. He provided a historical photograph of the Site, which show three gasoline pumps located at the front of the El Vado Motel, a copy of this photograph is provided in Appendix G. INTERA could not find any additional documentation regarding gasoline pumps being present at the South Area of the Site nor was any evidence observed during the Site reconnaissance. Mr. Boles stated that the previous owner indicated that they had completed an asbestos abatement at the El Vado Motel. Mr. Boles provided INTERA with a legal description of the Site and previous mold and asbestos reports.

#### 6.2 Interview with Property Owner Representative (North Area of the Site)

Mr. Mike Martinez represents the current owner of the North Area of the Site and was interviewed concerning current and historical uses of the North Area of the Site. INTERA did not communicate directly with the owner, Josie Gonzales, but communicated with Mr. Martinez as requested by Ms. Gonzales. Mr. Martinez indicated that the Site used to be a Circle K gasoline station. He believes the USTs were removed around 1993. He reported no knowledge of hazardous chemicals stored inside the building. Mr. Martinez provided INTERA with a legal description of the Site, portions of an appraisal report, and a NMED UST Inspection Report.



# 7.0 Findings

This section presents the findings of the Phase I ESA for the Site and summarizes the results of the Phase I ESA records review, Site reconnaissance, and interviews. Findings were evaluated using these three main components of a Phase I ESA. The findings presented in this section are the basis for the Phase I ESA opinions, conclusions, and recommendations presented by INTERA in Sections 8, 9, and 10 of this Phase I ESA report.

#### 7.1 Site Historical Use Findings

The South Area of the Site was undeveloped until construction of the El Vado Motel in the 1930s. The El Vado Motel is currently present at the Site and has been vacant since 2005 (Boles, 2009). INTERA viewed documents provided by the COA stating that remodeling had occurred at the South Lot that included gasoline station removal from the property (New Mexico Historic Building Inventory Form, 1991) and the removal of gasoline pumps, which were located in front of the office (NPS, 1993).

The North Area of the Site was undeveloped until construction of the Pueblo Bonito Court, a motel, in circa 1940s. This portion of the Site was redeveloped circa 1976 when the developed use changed to retail stores. A Circle K gasoline station was constructed and operated within the North Area of the Site from circa 1980 until 1993. The USTs associated with Circle K were removed in 1993 and after which the North Area of the Site was used as retail stores and a restaurant.

#### 7.2 Site Reconnaissance Findings

There are two pole-mounted transformers on the eastern boundary and one pad-mounted transformer on the southern boundary of the North Area of the Site. No staining was observed at the base of the pole-mounted transformers. Significant staining was observed at the concrete base of the pad-mounted transformer and surrounding surficial soils. PCB content of the pole- and pad-mounted transformers is unknown.

An unidentified manhole was observed immediately south of the northern building in the North Area. The owner's son, Mr. Steve Gonzales indicated that this manhole may be a sewer cleanout (M. Martinez, 2009). INTERA was unable to open the manhole during the Site reconnaissance.

Two unidentified aboveground pipes were observed within the northeast corner of the North Area. The owner indicated that the 2-inch galvanized pipe is an old water well and the 1-inch galvanized pipe is an explosion-proof electrical riser used for the former Circle K sign (J. Gonzales, 2009).

Water staining was observed on multiple sections of the drop ceiling tiles and several of the tiles have crumbled and fallen onto the floor in the vacant Casa Grande restaurant. Rodent droppings



were observed throughout the building, mainly in the kitchen and kitchen prep areas. Grease from the fryers was observed to be leaking onto the floor.

The El Vado Motel was observed to be dilapidated. The majority of the appliances, carpets, and baseboards have been removed from the motel. INTERA observed miscellaneous debris left in several rooms. Water staining was observed on the ceiling and walls and many of the ceilings were collapsing and had insulation coming through indicating a leaking roof. The pool maintenance room contained a large water heater and a vault in the floor. The vault had two sides with a drain in one side and was filled with an unknown liquid. The purpose of the vault is unknown.

#### 7.3 Records Review Findings

EDR identified one RCRA-CORRACTS site, two SCS sites, three LUST sites, two UST sites, and eight orphan sites. INTERA searched the surrounding area during the Site reconnaissance and found that none of the orphan sites listed were observed to be located within each respective regulatory database AMSD.

INTERA performed a file review at NMED of significant facilities identified in the EDR database report. File review information was requested from NMED for Circle K (formerly located within the Site), Casa Grande Chevron (formerly located within the adjoining property to the west beyond Central Avenue), Albuquerque Aquarium and Botanical Gardens (located within the adjoining property to the west beyond Central Avenue), and Ponderosa Products, Inc.

In June 1992, NMED oversaw the removal of 2 10,000-gallon and 1 6,000-gallon gasoline USTs from the former Casa Grande Chevron. NMED confirmed visual observations that a spill had occurred. Dames & Moore collected 12 soil samples from the limits of the tank excavation, oversaw the advancement of 11 soil borings, and installed 9 groundwater monitoring wells. Analytical results showed soil contamination within the eastern side of the UST excavation and adjacent to the former pump islands.

Groundwater contamination was detected in monitoring wells MW-6 and MW-7 above NMWQCC standards for benzene and total xylenes and <sup>1</sup>/<sub>4</sub> inch of LNAPL was measured in monitoring well MW-3A. In September 1992, Dames & Moore installed three off-site monitoring wells, performed an elevation survey, and completed another round of groundwater sampling. None of the detected contaminants were found to exceed NMWQCC standards and MW-3A was not observed to contain detectable LNAPL. Dames & Moore determined that the local groundwater flow direction was towards the northeast. In April 1997, the Former Casa Grande facility received a NFA determination from NMED. NMED determined that a NFA was appropriate based on the sampling results below the applicable NMWQCC groundwater standards during eight quarters of groundwater monitoring.

In April 1993, NMED oversaw the removal of three 8,000-gallon gasoline USTs from the former Circle K gasoline station located within the North Area of the Site. Five soil samples were taken



from the UST excavation and screened for TVOCs using the PID headspace method. TVOCs were detected by the PID at a maximum of 36.8 ppm. NMED determined that the USTS were in good conditions when removed and that a release had not occurred.

In July 1996, NMED oversaw the removal of one 4,000-gallon used oil UST at the Albuquerque Aquarium and Botanical Gardens facility. Two soil samples were collected and submitted for analysis of TPH by EPA Method 418.1. TPH was detected at a maximum of 26 mg/kg. NMED determined that a release had not occurred.

Tetra Tech indentified petroleum hydrocarbon, arsenic, and iron soil contamination as well as multiple concrete structures containing liquid waste at the Ponderosa Products, Inc. facility. During August and September 2005, Tetra Tech oversaw the removal of approximately 29,250-gallons of liquid waste, the excavation of approximately 188 cubic yards of petroleum-contaminated soil from six locations, and the collection of confirmatory samples. Based on the results of confirmation samples, petroleum contamination had been reduced but the extent of arsenic and iron contamination required further investigation. Tetra Tech evaluated the vertical and lateral extent of the arsenic and iron contamination along the railroad spurs located at the western edge of the Ponderosa Products, Inc. facility and determined that the distribution of the contamination was localized to the immediate area of the railroad spur. Tetra Tech oversaw the removal of approximately 1,400 tons of arsenic- and iron-contaminated soil for off-site disposal. Tetra Tech obtained confirmation samples, which confirmed that residual contamination was below acceptable risk levels.

#### 7.4 Adjoining Property Findings

The North Area is bounded by New York Avenue to the south beyond which is the El Vado Motel (South Area) and residential properties. The Monterey Motel is located on the adjoining property to the east of the Site. Central Avenue is located to the north of the North Area with Arrowhead Collision & Restoration, the 21 Motel, and a residential trailer park located further to the north with the Village Inn Restaurant and parking lot are located to the west of the Site.

The South Area is bounded by Albuquerque Country Club to the south, residential properties to the east, and New York Avenue to the north beyond which is the North Area part of the Site. Central Avenue is located to the west and northwest. The Village Inn Restaurant and parking lot, Alameda Drain, Montoya Road, Transmission Specialist, New York Avenue, and the Albuquerque Aquarium and Botanical Gardens are located beyond Central Avenue to the west.

USTs were formerly located on adjoining properties to the west beyond Central Avenue (see Section 7.3).

#### 7.5 Interview Findings

INTERA interviewed Mr. Ed Boles of the COA for information concerning the South Area of the Site. Mr. Boles stated the El Vado Motel was built in the 1930s and closed in 2005. He



provided a historical photograph of the Site which show three gasoline pumps located at the front of the El Vado Motel. Mr. Boles stated that the previous owner indicated that they had completed an asbestos abatement at the El Vado Motel.

INTERA interviewed Mr. Mike Martinez, representative for the current owner of the North Area of the Site. Mr. Martine indicated that historically the North Area was used as a Circle K gasoline station. Mr. Martinez indicated that the USTs were removed from the property around 1993. Mr. Martinez has no knowledge of hazardous material or petroleum product releases at the Site.



# 8.0 Opinions

Based on this Phase I ESA, it is INTERA's opinion that several conditions connected with the historical and current uses of the Site have potential environmental significance. Our opinions are summarized below.

#### 8.1 Opinions of Site Findings

INTERA identified the following Site findings that indicate evidence of RECs in relationship to the Site:

- Staining at the concrete base and surrounding gravel/surficial soils of the pad-mounted transformer located immediately south of the southern North Area building;
- Historic gasoline station/gasoline pumps located at the El Vado Motel; and,
- Historic gasoline release at the Former Casa Grande Chevron located to the west of the Site.

Other issues found at the Site include:

- The water well within the northeast portion of the North Area;
- The unidentified manhole located immediately south of the northern North Area building; and,
- The vault located in the pool maintenance room of the vacant El Vado Motel.

#### 8.2 Opinions of Adjoining Property Findings

INTERA identified the following adjoining property finding that indicates evidence of a REC in relationship to the Site:

Former Casa Grande Chevron, which is located to the west of the Site beyond Central Avenue, was identified as a UST and LUST site in the EDR report (EDR, 2009a). A gasoline release was identified during the removal of the USTs in 1992. Quarterly monitoring at this facility in 1993 and 1994 indicated that LNAPL was no longer present in a monitoring well where it was previously identified and all groundwater samples were below NMWQCC standards for the applicable contaminants of concern. NMED granted NFA status to this facility in 1997. The facility is located hydraulically upgradient of the Site and the extent of LNAPL contamination away from this facility has not been delineated. Based on this fact and the hydraulic up-gradient location of the facility, this facility is considered to represent evidence of a REC in relationship to the Site.



#### 8.3 Data Gaps

No significant data gaps were encountered during the preparation of this Phase I ESA.

## 9.0 Recommendations

INTERA has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 and ASTM E 2247-08 for properties referred to as Casa Grande and El Vado Motel, Albuquerque, Bernalillo County, New Mexico. Any exceptions to or deletions from these practices are described in Section 1.0 of this report. This assessment has revealed issues of concern and evidence of RECs in connection with the Site as well as other issues of concern. Based on our finding, INTERA offers the following recommendations:

- 1. The staining observed at the concrete base of the pad-mounted transformer and surrounding gravel/surficial soils indicates that a release of transformer oil has occurred to soil at the Site. Surface and subsurface soil samples surrounding the pad-mounted transformer should be collected and analyzed for PCBs to determine the extent and magnitude of the release.
- 2. A ground penetrating radar (GPR) survey should be completed adjacent to the El Vado Motel building to determine if USTs are located within the South Area of the Site.
- 3. A Phase II Site Investigation (SI) should be completed at the Site to determine if the confirmed UST release at the former Casa Grande Chevron impacted subsurface soil and groundwater at the Site. The SI should include collecting and analyzing subsurface soil and groundwater samples at the Site.
- 4. The water well in the northeast portion of the North Area should be properly abandoned according to the OSE regulations.
- 5. The unidentified manhole immediately south of the northern North Area building should be opened to confirm the report that it is part of the COA sewer system.
- 6. The vault located in the pool maintenance room at the vacant El Vado Motel contains an unknown liquid substance. The standing liquid should be sampled and characterized for disposal.



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## 11.0 Disclaimer

The findings and conclusions contained in this report were derived using the methodologies provided in the ASTM Standard E 1527-05 (ASTM, 2005). The findings and conclusions contain all of the limitations inherent in these methodologies. There is the possibility that even with proper application of these methodologies, conditions may exist at the Site that could not be identified within the scope of the Phase I ESA or that were not reasonably identifiable from the available information.

We have prepared this report in substantial accordance with the generally accepted environmental professional practices in use at the time of our study. This report may be used only by the City of Albuquerque and only for the purposes stated, within a reasonable time from its issuance as outlined in ASTM Standard E 1527-05 (ASTM, 2005). Land use, site conditions (both on site and off site), or other factors may change over time, and additional work may be required with the passage of time. Any party other than the City of Albuquerque who wishes to use this report shall notify the City of Albuquerque of the intended use. Non-compliance with any of these requirements will release INTERA from any liability resulting from the use of this report.

INTERA does not warrant or guarantee in any manner, expressed or implied, that the conclusions and findings reported in this Phase I ESA, or the information obtained for this Phase I ESA from the records review or from other sources, including site reconnaissance observations, personal interviews, and correspondence, are accurate or complete beyond the limits of the methods applied. The methodologies of this Phase I ESA assessment are intended to meet the scope of a Phase I ESA in accordance with ASTM Standard E 1527-05 (ASTM, 2005).

INTERA conducted this Phase I ESA and AAI into previous property ownership and uses in a manner consistent with ASTM Standard E 1527-05 and the EPA AAI Final Rule (EPA, 2005) definitions of good commercial and customary ESA and AAI practices in the United States of America.

This Phase I ESA report is intended for use solely by the City of Albuquerque. Any party other than the City of Albuquerque is explicitly denied any rights to rely on the findings, opinions, and conclusions of this Phase I ESA report.

# **12.0** Qualifications and Signatures of Environmental Professionals

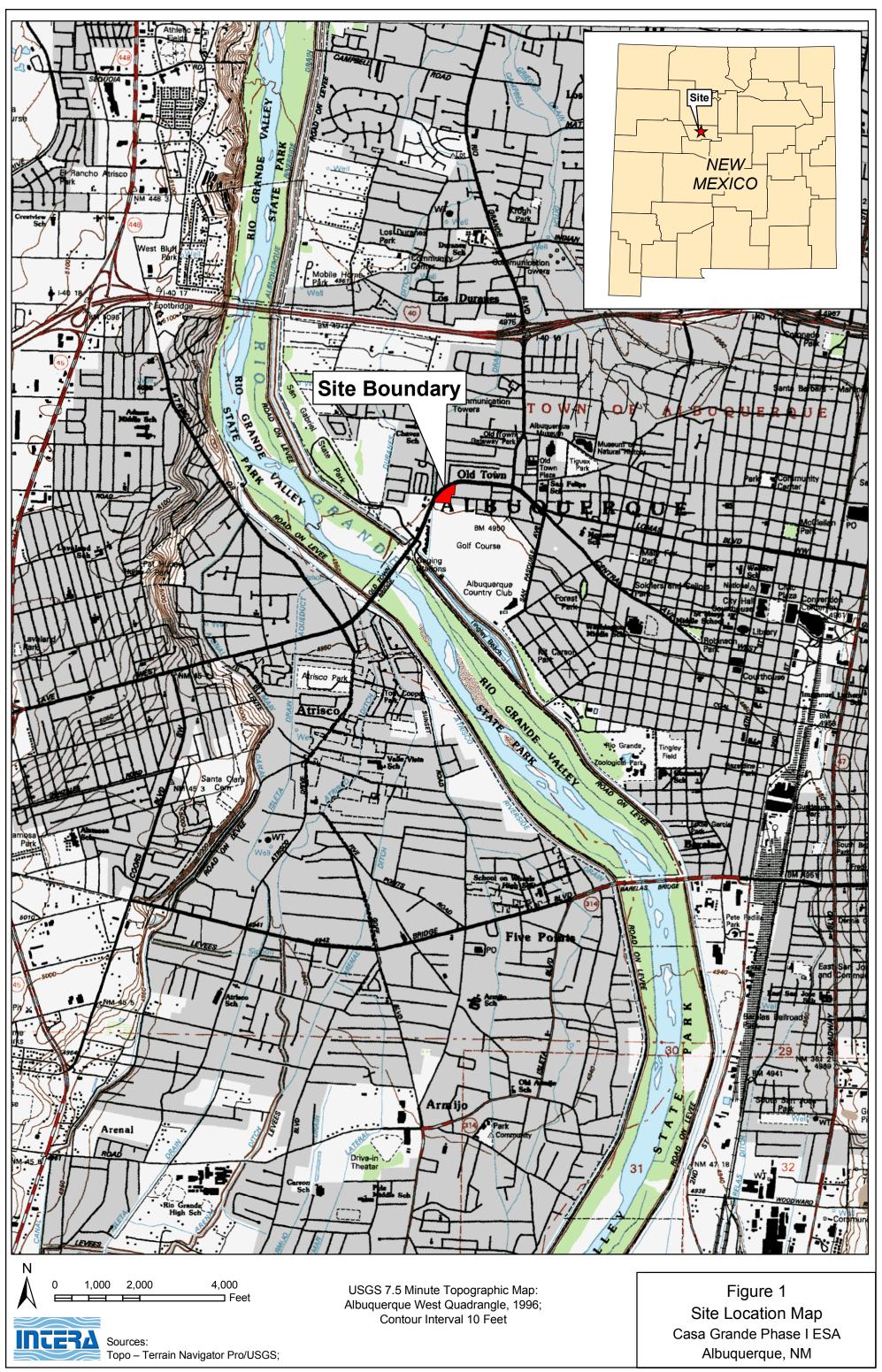
Complete copies of resumes outlining the qualifications of the individuals completing this Phase I ESA report are included as Appendix H.

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

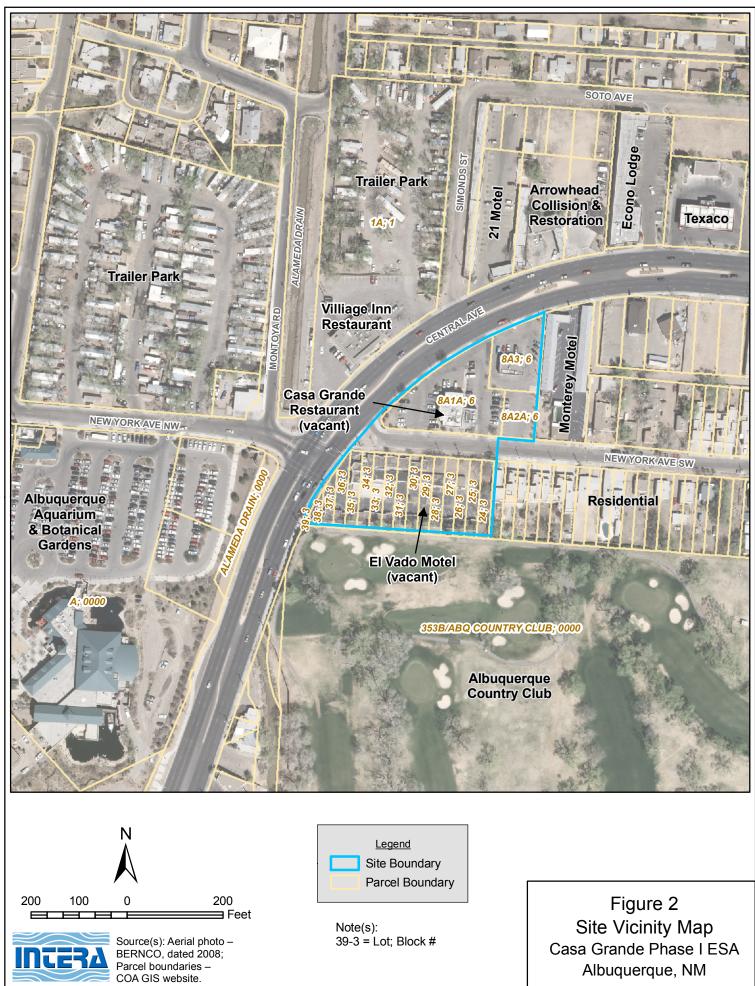
Eileen Romesser

Signature:
Joseph Tracy
Signature:

Figures



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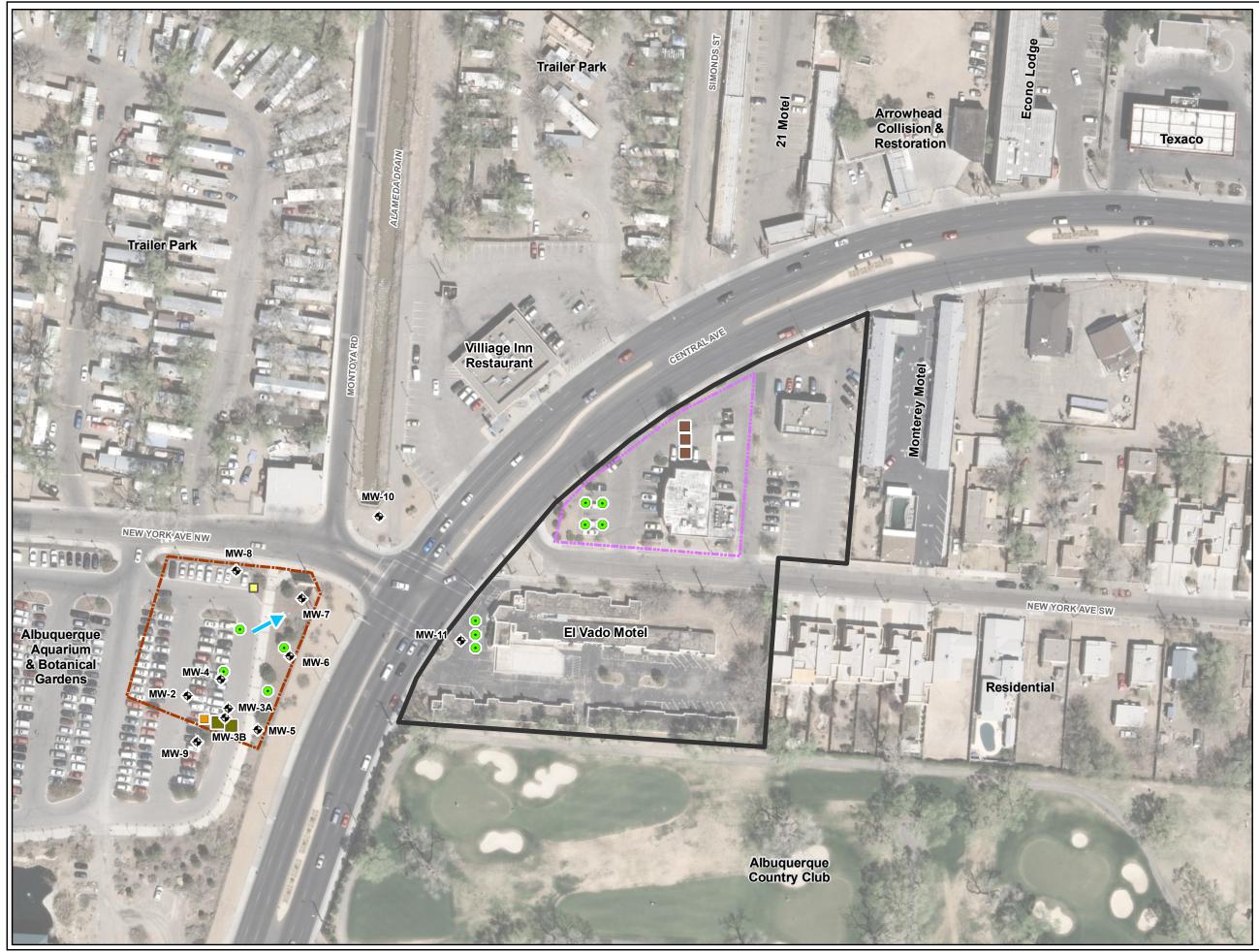


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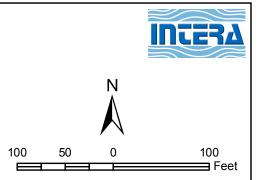
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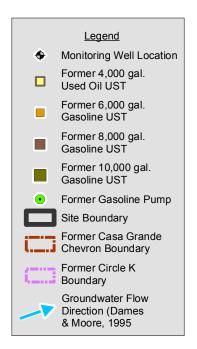
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Source(s): Aerial photo – BERNCO, dated 2008; Point locations & boundaries based on Dames & Moore, 1995, New Mexico 1991, and NMED, 1993 & 1996; Groundwater flow – Dames & Moore, Sept. 1995.



Note(s): All points and boundaries are a pproximately located

Figure 4 Findings of Significance Casa Grande Phase I ESA Albuquerque, NM

Tables

Reference Source	Year	Site Use			
		hotographs			
Aerial Photograph	1935	Vacant land			
Aerial Photograph	1947	Pueblo Bonito Court			
Aerial Photograph	1954	Pueblo Bonito Court			
Aerial Photograph	1959	Pueblo Bonito Court			
Aerial Photograph	1959	Pueblo Bonito Court			
Aerial Photograph	1907	Pueblo Bonito Court			
Aerial Photograph	1973	Developed			
Aerial Photograph	1902	Circle K-poor resolution			
	1991	Cigarettes & Stuff and Casa Grande Restaurant			
Aerial Photograph	2008				
Aerial Photograph		Developed			
		Virectories			
Hudspeth's City Directories	1935 and 1936	Not Listed			
Hudspeth's City Directories	1938	Not Listed			
Hudspeth's City Directories	1939	Not Listed			
Hudspeth's City Directories	1940	2400-Pueblo Bonito Court			
Hudspeth's City Directories	1942	2400-Pueblo Bonito Court			
Hudspeth's City Directories	1944	2400-Pueblo Bonito Court			
Hudspeth's City Directories	1945-46	2424-Pueblo Bonito Court and Napoleane Jos			
Hudspeth's City Directories	1947	2424-Pueblo Bonito Court and Napoleane Jos			
Hudspeth's City Directories	1954	2424-Pueblo Bonito Court and Napoleane Jos			
Hudspeth's City Directories	1957	2424-Pueblo Bonito Court and Napoleane Jos			
Hudspeth's City Directories	1961	2424-Pueblo Bonito Court and Napoleane Jos			
Hudspeth's City Directories	1965	2424-Pueblo Bonito Court and Napoleane Jos			
Hudspeth's City Directories	1968	2424-Pueblo Bonito Court and Napoleane Jos			
Hudspeth's City Directories	1972	2424-Pueblo Bonito Court and Napoleane Jos			
Polk City Directories	1974	2424-Pueblo Bonito Court and Napoleane Jos			
Polk City Directories	1975	2424-Pueblo Bonito Court and Napoleane Jos			
Polk City Directories	1976	2424-Plaza Gift Shop: R&S Rock & Gem Shop, De La Fe Jewelry, and Navajo Sand Painting			
Polk City Directories	1977	2424-Plaza Gift Shop: Sanchez Jimmy Produce and Pink Panther Signs			
Polk City Directories	1978	2424-Vacant and Aster Upholstery			
Polk City Directories	1979	2424-Vacant			
Polk City Directories	1981	2424-Vacant			
Polk City Directories	1982	2424-Santillaneslil			
Polk City Directories	1983	2424-Santillaneslil			
Polk City Directories	1984	2424-Circle K			
Polk City Directories	1985	2412-Boza Donuts			
Polk City Directories	1987-88	2424-Circle K Corp 2412-Boza Donuts 2424-Circle K Corp			
Polk City Directories	1989	2424-Circle K Corp 2412-Bosa Donuts 2424-Circle K			
Polk City Directories	1990	2424-Circle K 2412-Vacant 2424-Circle K			
Polk City Directories	1992	2412-Vacant 2424-Vacant			

Table 1ACurrent and Past Uses of the North Lot

Reference Source	Year	Site Use		
City Directories (Concluded)				
Polk City Directories	1993	2412-Vacant		
FOR City Directories	1995	2424-Vacant		
		2412-Cigarettes & Stuff		
Polk City Directories	1994	2412b-Crossroads Barber Shop		
		2424-Casa Grande Restaurant		
Polk City Directories	1996	2412-Cigarettes & Stuff		
FOR City Directories	1990	2424-Casa Grande Restaurant		
Polk City Directories	1999	2412-Cigarettes & Stuff		
FOR City Directories	1999	2424-Casa Grande Restaurant		
Polk City Directories	2005	2424-Casa Grande Restaurant		
Topographic Maps				
Topographic Map	1954	Developed		
Topographic Map	1960	Developed		
Topographic Map	1967	Developed		
Topographic Map	1972	Developed		
Topographic Map	1990	Developed		
Site Visit and Interview				
Site Reconnaissance and Resident Interview	2009	2412- RAW MUZAK and Jay Michael's Barber Shop 2424-Vacant Casa Grande Restaurant		

# Table 1A (Concluded)Current and Past Uses of the North Lot

Reference Source	Year	Site Use		
		hotographs		
Aerial Photograph	1935	Vacant land		
Aerial Photograph	1947	El Vado		
Aerial Photograph	1954	El Vado		
Aerial Photograph	1959	El Vado		
Aerial Photograph	1967	El Vado		
Aerial Photograph	1973	El Vado		
Aerial Photograph	1982	El Vado		
Aerial Photograph	1991	El Vado		
Aerial Photograph	1999	El Vado		
Aerial Photograph	2008	El Vado		
		irectories		
Hudspeth's City Directories	1935 and 1936	Not Listed		
Hudspeth's City Directories	1938	El Vado is listed but no address is referenced		
Hudspeth's City Directories	1939	2500-El Vado		
Hudspeth's City Directories	1940	2500-El Vado		
Hudspeth's City Directories	1942	2500-El Vado		
Hudspeth's City Directories	1944	2500-El Vado		
Hudspeth's City Directories	1945-46	2500-El Vado		
Hudspeth's City Directories	1947	2500-El Vado		
Hudspeth's City Directories	1954	2500-El Vado		
Hudspeth's City Directories	1957	2500-El Vado		
Hudspeth's City Directories	1961	2500-El Vado		
Hudspeth's City Directories	1965	2500-El Vado		
Hudspeth's City Directories	1968	2500-El Vado		
Hudspeth's City Directories	1972	2500-El Vado		
Polk City Directories	1974	2500-El Vado		
Polk City Directories	1975	2500-El Vado		
Polk City Directories	1976	2500-El Vado		
Polk City Directories	1977	2500-El Vado		
Polk City Directories	1978	2500-El Vado		
Polk City Directories	1979	2500-El Vado		
Polk City Directories	1981	2500-El Vado		
Polk City Directories	1982	2500-El Vado		
Polk City Directories	1983	2500-El Vado		
Polk City Directories	1984	2500-Vacant		
Polk City Directories	1985	2500-Vacant		
Polk City Directories	1987-88	2500-Vacant		
Polk City Directories	1989	2500-El Vado		
Polk City Directories	1990	2500-El Vado		
Polk City Directories	1992	2500-El Vado		
Polk City Directories	1993	2500-El Vado		
Polk City Directories	1994	2500-El Vado		
Polk City Directories	1996	2500-El Vado		
Polk City Directories	1999	2500-EI Vado		
Polk City Directories	2005	2500-El Vado		

# Table 1BCurrent and Past Uses of the South Lot

Table 1B (Concluded)
<b>Current and Past Uses of the South Lot</b>

Reference Source	Year	Site Use		
Topographic Maps				
Topographic Map	1954	Developed		
Topographic Map	1960	Developed		
Topographic Map	1967	Developed		
Topographic Map	1972	Developed		
Topographic Map	1990	Developed		
Site Visit and Interview				
Site Reconnaissance and Resident Interview	2009	2500-Vacant El Vado		

 Table 2

 Standard Federal and State Environmental Database Record Summary

	AMSD	Total Sites	Within	On Site	Data
Database Record	(miles)	Identified	AMSD	Property	Source
Federal NPL Site List	1.0	0	0	0	EDR
Delisted NPL Site List	0.5	0	0	0	EDR
Federal CERCLIS List	0.5	0	0	0	EDR
Federal CERCLIS NFRAP Site List	0.5	0	0	0	EDR
Federal RCRA CORRACTS Facilities list	1.0	1	1	0	EDR
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0	EDR
RCRA – SQG	Target and Adjoining Properties	0	0	0	EDR
RCRA – CESQG	Target and Adjoining Properties	0	0	0	EDR
RCRA - LQG	Target and Adjoining Properties	0	0	0	EDR
Federal institutional control/engineering control	Target Property	0	0	0	EDR
registries					
Federal ERNS list	Target Property	0	0	0	EDR
State- and Tribal-equivalent NPL or SHWS	1.0	N/A	N/A	N/A	
State- and Tribal-equivalent CERCLIS	1.0	2	2	0	EDR
State- and Tribal-Landfill and/or Solid Waste Disposal Site Lists	0.5	0	0	0	EDR (Orphan List)
State- and Tribal-Leaking UST (LUST) Lists	0.5	3	3	0	EDR
State- and Tribal-Registered Storage Tank (UST/AST) Lists	Target and Adjoining Properties	5	4	1	EDR
State and Tribal Institutional Control/Engineering Control Registries	Target Property	0	0	0	EDR
State and Tribal Voluntary Cleanup (VCP) Sites*	0.5	0	0	0	EDR
State and Tribal Brownfield Sites*	0.5	0	0	0	EDR

Notes:

N/A = Not applicable (The State of New Mexico does not maintain a SHWS list).

SHWS = State Hazardous Waste Site

\*= The State of New Mexico VCP and Brownfields site list is provided by the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) Voluntary Remediation Program (VRP)

Environmental Data Resources, Inc. (EDR) Database acronyms are defined in the following lists.

#### Federal ASTM Standard

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#### State ASTM Standard

SWF/LF	State Solid Waste Facilities/Landfill Sites
UST List	Underground Storage Tank list
Leaking UST List	Leaking Underground Storage Tank list
INDIAN Leaking UST List	Indian Leaking Underground Storage Tank list
INDIAN UST List	Indian Underground Storage Tank list
VCP	Voluntary Clean-Up Program

#### Federal ASTM Supplemental

FINDS	Facility Index System
Proposed NPL	National Priority List proposals

Appendix A INTERA Scope of Work



6000 Uptown Blvd. NE, Suite 100 Albuquerque, NM, 87110 (505) 246-1600 www.intera.com

June 18, 2009

Sent via e-mail to jhamel@cabq.gov

Mr. Jim Hamel CIP Program Manager City of Albuquerque Department of Municipal Development PO Box 1293 Albuquerque, NM 87103

# **RE:** Scope of Work and Cost Proposal to Complete a Phase I Environmental Site Assessment (ESA) and an Environmental Assessment (EA) for the Casa Grande Property, Albuquerque, Bernalillo County, New Mexico

Dear Mr. Hamel,

Please find attached a scope of work and cost proposal to complete a Phase I Environmental Site Assessment (ESA) and an Environmental Assessment (EA) for the City of Albuquerque (COA) project – Casa Grande Property. INTERA developed this scope of work and cost proposal for completing the ESA as part of standard property acquisition due diligence and the EA that is required by the U.S. Department of Housing and Urban Development (HUD) to allow them to authorize funding for the project. This scope of work and cost proposal was requested by Ms. Linda Rumpf and Mr. Rick Giron of the COA Department of Family and Community Services.

Please review the enclosed scope of work to ensure that we have addressed each aspect of the permitting process that you would like us to provide under this Task Order.

We look forward to completing the permitting process for the COA so that demolition can begin soon. If you have any questions about this proposal, please do not hesitate to contact the undersigned at (505) 246-1600. Sincerely,

#### **INTERA Incorporated**

-147

Joseph Tracy, PG Senior Geologist

cc.: Ms. Linda Rumpf, COA Department of Family and Community Services Mr. Rick Giron, COA Department of Family and Community Services

Enclosures: Scope of Work and Cost Proposal

#### INTERA SCOPE OF WORK AND COST PROPOSAL CITY OF ALBUQUERQUE ON-CALL MASTER SERVICE AGREEMENT PHASE I ENVIRONMENTAL ASSESSMENT (ESA) AND ENVIRONMENTAL ASSESSMENT (EA) FOR THE CASA GRANDE PROPERTY LOCATED AT CENTRAL AVE. SW AND NEW YORK AVE. SW

#### Task 1 – Phase I Environmental Site Assessment

*Objective:* Phase I ESA performed in order for the City of Albuquerque (COA) to meet appropriate property due diligence practices for the acquisition of real property.

*Approach:* INTERA Incorporated (INTERA) will prepare a Phase I ESA in general compliance with the ASTM Standard E1527-05 "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*". The Phase I ESA Report will include those criteria required by the Environmental Protection Agency's AAI rule. INTERA will prepare a Phase I ESA Report which will outline the findings from INTERA's historical and environmental records review, site reconnaissance and interviews.

INTERA will order an environmental database records search, to be included as an attachment to the Phase I ESA, from Environmental Data Resources, Inc. (EDR) of Milford, Connecticut. Review of local regulatory records pertaining to the site will be conducted by INTERA. EDR will also provide historical topographic maps of the Site and surrounding area. The historical aerial photographs reviewed as part of the Phase I ESA will be purchased from the Earth Data Analysis Center (EDAC) of Albuquerque, New Mexico. EDAC is affiliated with the University of New Mexico (UNM). Complete copies of the historical aerial photographs, historical topographic maps, and the EDR environmental database will be included in the final Phase I ESA Report.

In addition, INTERA will perform interviews with individuals knowledgeable with the former and current operations of the Site. The interview information will be discussed in the body of the final Phase I ESA Report. Copies of the interview forms (completed during interview conducted) will be included as an attachment to the final Phase I ESA Report. INTERA's total estimated cost for the Phase I ESA includes the additional due diligence activities now required by the ASTM Standard E1527-05 (as of November 2006).

#### Assumptions:

The COA will provide unrestricted access to the property and all building(s) at the property.

A Phase I ESA Report will be prepared within 5 weeks within INTERA's receipt of the COA's Notice to Proceed (NTP).

Deliverables: Three hard copies and an electronic copy of the Phase I ESA Report.

#### **Task 2: Planning and Management**

**Objective:** Effective communications, meetings and project management for duration of the Project.

*Approach:* INTERA will attend an initial Project Kick-off Meeting with the COA to review all existing project information, clarify project information that will be included in the environmental document, including alternatives, and discuss the EA process. During the project, INTERA will conduct up to four (4) teleconference calls with the COA and/or representatives from the lead federal agency to keep the team informed of the Project's progress and to obtain feedback on the scope and overall content of the EA. Other coordination meetings with additional agencies and internal meetings to coordinate the engineering and environmental processes are not anticipated under this task.

#### Assumptions:

- Kickoff meeting one meeting with the COA at City Hall in Albuquerque, New Mexico
- Coordination meetings 4 teleconference calls with the COA and/or lead agency representatives
- Monthly progress reports 4 electronic progress reports to the COA that will accompany each monthly invoice

#### Deliverables:

Progress reports accompanying each invoice

#### **Task 3: Environmental Documentation**

*Objective:* Complete the environmental documentation required by U.S. Department of Housing and Urban Development (HUD), the lead agency for this project.

*Approach:* Complete a HUD-provided Environmental Assessment Worksheet, which would fulfill the lead agency's requirements under the National Environmental Policy Act (NEPA) for completing the EA process. The region of influence (ROI) discussed in this EA Checklist will be limited to the Casa Grande Property located at 2412 & 2424 Central Avenue SW, near the corner of Central and New York Avenues in Albuquerque, Bernalillo County, New Mexico. The process for completing the NEPA review and the EA will be according to HUD requirements and the EA will not be completed according to the standards or requirements of any other agency. This will provide the COA with the necessary environmental documentation required by the lead agency.

#### Assumptions:

Project details – Provided by COA

- Status Determination Project activities will not affect the resources under consideration, as listed in the HUD Environmental Assessment Work Sheet under determination "B"
- Responsible entity The COA will be the Responsible Entity (RE)
- List of sources, agencies, or persons consulted Limited to the COA Historic Preservation Planner, State Historic Preservation Officer (SHPO), and National Resource Conservation Service (NRCS), if required
- Alternatives development 1 action and 1 no-action alternative developed at the Project Kick-off meeting under Task 1 with the COA
- Determination This scope and cost assumes that the final determination of this project will be a Finding of No Significant Impact (FONSI)
- Preparation of the FONSI and Notice of Intent to Request Release Funds (NOIRRF)– Prepared by INTERA
- Dissemination and publication of FONSI and NOIRRF– By the COA per 24 CFR 58.43(a)
- Site visit 1 visit to document and describe the site
- Public scoping or meetings Not required
- Consulting agencies No state or other consulting agencies

#### Deliverables:

- 1 Photographic log of the site visit and field notes
- 1 Draft and 1 Final Environmental Assessment Work Sheet, each in electronic form
- 1 Draft and 1 Final FONSI, each in electronic form

#### **Task 4: Supporting Documentation and Consultation Letters**

*Objective:* To document the determinations made for each resource under consideration.

*Approach:* INTERA will prepare for the COA all supporting documentation necessary for each status determination listed on the HUD EA Work Sheet. These documents will include maps or references to sources of information used to arrive at a determination for each resource considered in the EA. As part of this Task, INTERA will prepare for the COA a consultation letter to the State Historic Preservation Officer (SHPO) requesting concurrence with a finding that the project will have no effect on historic properties. In addition, INTERA will prepare for the COA tribal consultation letters and an additional consultation letter to the Natural Resource Conservation Service (NRCS), if required by HUD for resource evaluations. These supporting documents will demonstrate to HUD the process used to determine effects on each considered resource.

#### Assumptions:

- Hazardous, Toxic, or Radioactive substances documentation List and map of EPA CERCLA and National Priority List (NPL) sites within 3,000 feet of the project area
- Explosive and flammable operations documentation Documentation will be limited to photographs and site visit and will not include analysis or modeling of any explosive hazards
- Flood hazard area documentation Cite map parcel number of DOI or FEMA map that show project is not located within floodplains, wetlands, or Special Flood Hazard Area
- Flood insurance protection Not required
- Air traffic documentation A map or results from a database search showing that the project is not located within 2,500 feet of civil airport runway or 8,000 feet of military airfield runway
- National Register of Historic Places SHPO consultation letter requesting concurrence with a finding that there will be no effect to cultural or historic properties or resources
- Tribal consultation letters 1 set of letters prepared by INTERA for signature and dissemination by the COA to selected tribal governments requesting concurrence that there will be no effect to cultural or historic resources, or Indian Trust Assets
- Noise impact documentation A map or results of a database search showing that the project is not located within 1,000 feet of a major highway or road, 3,000 feet of a railroad, or 1 mile of a civil airport or 5 miles of a military airfield
- Prime or unique farmland documentation INTERA will evaluate zoning of the parcel under consideration. If the ROI is zoned for farmland, INTERA will prepare for the COA a consultation letter to the National Resource Conservation Service (NRCS) requesting their concurrence that the project area is not located within an area designated as prime or unique farmland
- Air quality documentation Statement that the project is not located within a non-attainment or maintenance area
- Costal zone documentation Statement that the project is not located within a costal zone
- Environmental Justice documentation A statement or map prepared by INTERA will
  reference data obtained from the EPA's Environmental Justice Mapping Tool. We assume
  these data will show that the project will not raise environmental justice issues
- Consultation letters Signed and disseminated by the COA

#### Deliverables:

- 1 Draft and 1 Final set of consultation letters in electronic format
- Supporting documentation submitted as part of the EA Work Sheet

#### **Task 5: Cultural and Biological Resources Compliance**

Objective: To comply with the HUD requirements for environmental review of potential effects on

Historic Properties and Threatened and Endangered Species.

*Approach:* INTERA intends to subcontract with Parametrix Incorporated (Parametrix) to perform all work required to evaluate the potential effects of the project on Historic Properties and Threatened and Endangered Species. To document eligibility, Parametrix will complete a surficial cultural survey of the project area and document two buildings on Historic Cultural Properties Inventory forms (assuming the buildings to be demolished are over 45 years old). As part of this Task, the INTERA Team will prepare for the City a consultation letter to the State Historic Preservation Officer (SHPO). In addition, a Parametrix biologist will complete a biological survey of the project area and prepare a biological assessment letter report to document the absence of threatened or endangered species or their habitat within the project area. This letter report will be used as part of the environmental review record submitted to HUD.

#### Assumptions:

- Cultural Resources Report Will include an assessment as to whether the buildings are potentially eligible for inclusion in the National Register of Historic Places and recommendations regarding potential effects from the proposed undertaking
- Consultation Section 7 Consultation or other formal or informal consultation will not be required
- Endangered species documentation Statement explaining the project includes only land that has been previously developed and that activities are not likely to affect the species or critical habitat and a biological letter report documenting this finding
- Clean Water Act or NEPA compliance No compliance work under this task
- Public or agency meetings Not required
- Other surveys, reports or analysis Not required

#### Deliverables:

- One (1) Cultural Resources Report will be submitted to the COA and to the State Historic Preservation Officer (SHPO)
- One (1) Biological Survey Letter Report will be prepared in accordance with Endangered Species Act and U.S. Fish and Wildlife Service (USFWS) regulations.

#### Task 6: Environmental Review Record (ERR)

*Objectives:* As required by the HUD, to document the NEPA review process recording events, as applicable, and maintain the record in the project file. The ERR will allow the project file to be closed by HUD.

*Approach:* Consolidate and deliver all documents necessary for the COA Project Manager to complete the project file. Record the process by consolidating notes, minutes, phone conversations, and other supporting documentation to be part of the ERR.

#### Assumptions:

- File management INTERA will deliver to the COA one ERR
- Format Electronic

#### Deliverables:

• Tracking Table and supporting EA communication documents in electronic format delivered on disc or online using a secure file transport protocol (FTP) site which will be submitted to the COA at the completion of the project.

#### SCHEDULE:

The time periods for the performance of INTERA's services are estimated as follows:

Assuming a 5-day comment period for the COA to review draft deliverables, INTERA's services would be completed within 65 days of the kick-off meeting. This period includes the State-required 30-day review period for consultation with the SHPO.

#### COST:

Compensation for services of principals and employees of INTERA, also including direct costs, markups and subcontracted services, will be on a time and materials basis for each task. Our present judgment of cost of the scope of work described herein is summarized in the following table:

	COST
Phase I Environmental Site Assessment	\$ 8,009.50
TASK 1 – Phase I ESA Report Environmental Assessment	\$ 0,007.50
TASK 1 - Planning and Management	\$ 3,568.00
TASK 2 - Environmental Documentation	\$ 6,774.50
TASK 3 - Supporting Documentation and Consultation	<b>•</b> • • • • • • • • •
Letters TASK 4 Cultural and Biological Baseurase Compliance	\$ 6,010.00 \$12,714.00
TASK 4 - Cultural and Biological Resources ComplianceTASK 5 - Environmental Review Record	\$12,714.00 \$ 1,332.00
SUBTOTAL: ALL TASKS	\$38,408.00
NMGRT (6.875%)	\$ 2,640.55
GRAND TOTAL: ALL TASKS	\$41,048.55

A detailed cost estimate is attached.

# Appendix B

# Legal Description/Environmental Lien Search

#A06309



November 3, 2008

City of Albuquerque – Legal Department Attention: Mr. James F. McNeely, Review Appraiser P.O. Box 2248 Albuquerque, New Mexico 87103 Telephone: (505) 768-3475 FAX: (505) 768-3817

RE:

47163

Time & Fee Proposal for Appraisal Services Fee Simple Value for Casa Grande Restaurant "as is" Located at 2424 Central Avenue SW 87104 Albuquerque, Bernalillo County, New Mexico

Mr. McNeely:

Per your request, 1 am submitting this time and fee proposal for appraisal work on the aforementioned parcel.

It is my understanding that the site is improved with a restaurant facility.

My total fee for a summary format report utilizing two approaches to value, would be \$2,900, plus gross receipts tax.

The guaranteed delivery date would be no later than 45 days from the date on this correspondence.

If this time and fee is acceptable, please sign and date below and return a copy to me.

Respectfully submitted, AMERICAN PROPERTY - Consultants & Appraisers, Inc.

1

Mario J. Del Curto, MAI, ARA NM General Certified Appraiser #000247-G

James McNeely, COA Real Property Legal Division

**AMERICAN PROPERTY** 

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# ADDENDA

Exhibit A	
	Assumptions & Limiting Conditions
	Site & Building Plans & Retail Building Sketch
	Zone Atlas Map & Zoning Regulations
	Huning Castle & Raynolds Addition Sector Development Plan
Exhibit G	Flood Hazard Map
Exhibit H	Engagement Letter
Exhibit I	
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	Grapino di Konte Computativo

# SUMMARY OF IMPORTANT FACTS & CONCLUSIONS

PROPERTY TYPE Idle Family Style Restaurant Sit-Down & Separate Leased Retail Building 2412 & 2424 Central Avenue SW PROPERTY LOCATION Albuquerque, New Mexico 87104 LEGAL DESCRIPTION Lot 8A-1A Block 6 of Traction Park and City Electric Addition, Albuquerque, New Mexico, as the same is shown and designated on the plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico on October 18, 1993, in Book 93C, Page 297; Lot 8A-2A Block 6 of Traction Park and City Electric Addition, Albuquerque, New Mexico, as the same is shown and designated on the plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico on October 18, 1993, in Book 93C, Page 297; and, Lot 8A-3 Block 6 of Traction Park and City Electric Addition, Albuquerque, New Mexico, as the same is shown and designated on the plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico on September 4, 1992, in Book 92C, Page 94. **EFFECTIVE DATE OF VALUE** November 3, 2008 DATE OF INSPECTION November 3, 2008 DATE OF REPORT November 20, 2008 **OWNER OF RECORD** Melecio & Josie F. Gonzales, Trustees of the Gonzales Revocable Trust INTERESTS VALUED Leased Fee Estate (The Dictionary of Real Estate Appraisal, Fourth Edition, Page 113): Absolute ownership unencumbered by any other interest or estate, subject only to the limitations imposed by the governmental powers of taxation, eminent domain, police power, and escheat. Fee Simple Estate" (The Dictionary of Real Estate Appraisal, Fourth Edition, Page 113): Absolute ownership unencumbered by any other interest or estate, subject only to the limitations imposed by the governmental powers of taxation, eminent domain, police power, and escheat. PERTINENT DATA "AS IS" Site Area Lot 8A-1A - 0.7089 acres, or 30,880 square feet Lot 8A-2A - 0.1572 acres, or 6,848 square feet Lot 8A-3 - 0.3322 acres, or <u>14,471</u> square feet Totals: 1.1983 acres, or 52,199 square feet

AMERICAN PROPERTY

Building Area	Restaurant: Older Ptn. – 3,033 square feet Newer Ptn. – <u>1,270</u> square feet <b>Total:</b> 4,303 square feet
	Separate Retail: 1,550 square feet
Quality	Average
Condition	Average
Site Shape	Large Triangular Site
Topography	Level
Access	Central Avenue & New York Avenue SW
Utilities	Electricity, gas, sewer, water, garbage, and telephone services are all available to the neighborhood.
Flood Zone	FEMA Map #350002, Panel 0331, Suffix G (revised 09/26/08). Shaded Flood Zone "X" – areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
Zoning	C-2 (Community Commercial). The existing improvements conform to the current zoning ordinance. The applicable zoning pages can be found in the <i>Addenda</i> .
HIGHEST & BEST USE	
As Though Vacant	Commercial development upon demand
As Improved	Existing use as a family-style, sit-down restaurant
LEASED FEE ESTIMATES OF VALUE "AS IS" (NOVE)	MBER 3, 2008)
Cost Approach Sales Comparison Approach Income Approach	N/A \$882,600 (\$652,500 land only) \$898,600
<b>RECONCILED OPINION OF VALUE</b>	
FEE SIMPLE & Leased Fee Market Value "As Is"	\$890,000 (November 3, 2008)
	e as it relates to the real estate & FF&E only, without
ESTIMATED MARKETING TIME	Less than one year

AMERICAN PROPERTY

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وروبا والمحد ومعادية والعا

# APPRAISAL PREFACE

I have performed a Summary Appraisal Report on the now idle Casa Grande Restaurant & a separate retail building located at 2412 & 2424 Central Avenue SW, in the City of Albuquerque, Bernalillo County, New Mexico 87104. An *appraisal* is defined as being...

"1) An analysis, opinion, or conclusion relating to the nature, quality, value, or utility of specified interests in, or aspects of, identified real estate (Code of Professional Ethics of the Appraisal Institute). In this usage, appraisal covers a variety of assignments, including valuation, consulting, and review. 2) The act or process of estimating value.<sup>11</sup>

The following text is an appraisal report, defined as:

"The written or oral communication of an appraisal; the document transmitted to the client upon completion of an appraisal assignment. Reporting requirements are set forth in the Standards Rules relating to Standards 2 and 5 of the Uniform Standards of Professional Appraisal Practice."<sup>2</sup>

The preface contains map(s) identifying the location of the appraised property in the City and subject photographs.

AMERICAN PROPERTY

<sup>&</sup>lt;sup>1</sup> Appraisal Institute, <u>The Dictionary of Real Estate Appraisal</u>, Fourth Edition, 2002, page 15 <sup>2</sup> Ibid., page 16

# HISTORY

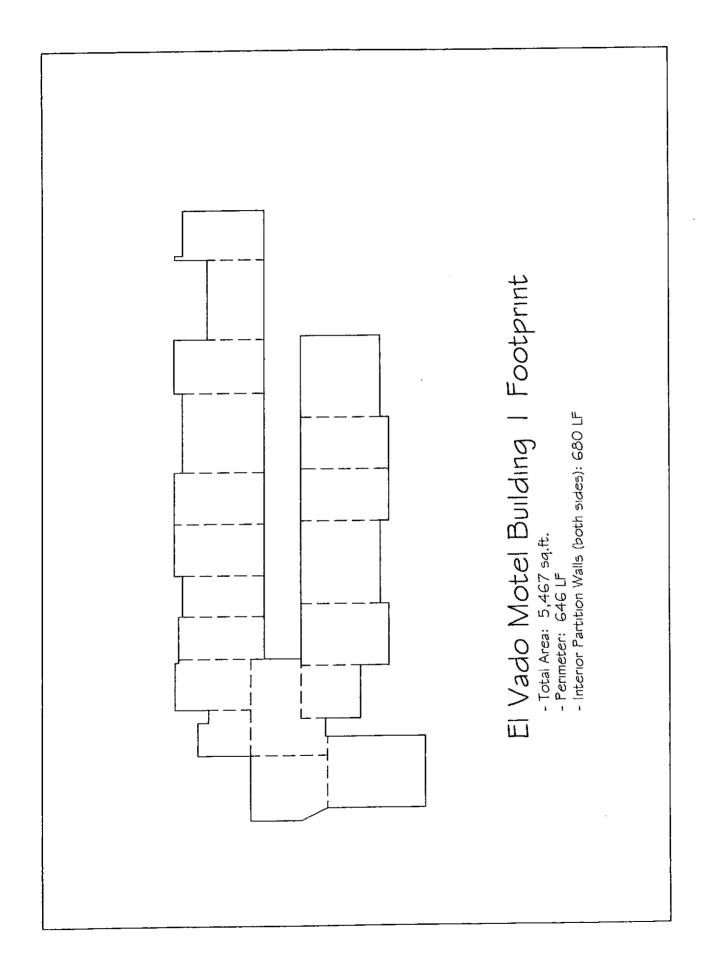
According to Bernalillo County records, the owners of the subject property are Melicio and Josie Gonzales, husband and wife. Mr. and Mrs. Gonzales purchased the restaurant April 8, 1993, (Doc. No 93-036536) from Carl E. and Nohemi G. Hall for \$170,000. Mr. and Mrs. Cunningham purchased the retail building from Mr. and Mrs. Hall on April 2, 1992 (Doc. No. 92-031002) for \$85,000. The Hall's purchased both the restaurant and the adjacent retail building January 7, 1992, from Edgemont Realty Partners, Ltd. Mr. and Mrs. Gonzales purchased the retail building for \$95,000 from the Cunninghams. There have been no other known changes of ownership during the past three years. There are currently no other known listings, options, or purchase agreements on the subject property.

The subject property includes a restaurant building and a small free-standing retail building. The existing buildings provide approximately 5,853 square feet of leasable area, 4,303 square feet in the restaurant building and 1,550 square feet in the retail building. The main portion of the restaurant building is a converted convenience store (Circle-K) built circa 1975. The kitchen area was added during major renovations in 1993 which converted the existing building to a restaurant. The retail building was built circa 1984.

No other transactions, offers for purchase, or listings for sale within the last three years are known, or have been reported.

# LEGAL DESCRIPTION

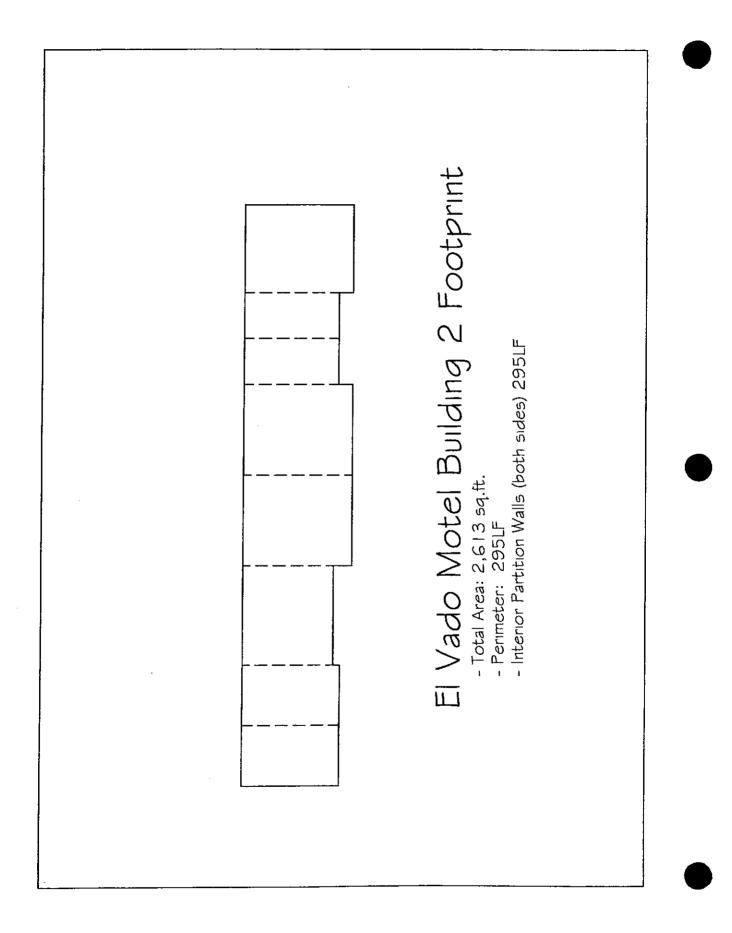
All of Lots Twenty-four (24) to Thirty-five (35), both inclusive, and all of Lots Thirty-six (36). Thirty-seven (37), Thirty-eight (38) and Thirtynine (39) lying Easterly of a line drawn on a 6 degree 4' curve from a point on the North line of Lot 36 which is 10.97 feet westerly from the northeast corner thereof to a point on the south line of Lot 39 which is 21.32 feet westerly from the southeast corner thereof, all in Block numbered Three (3) of the WESTPARK ADDITION to the City of Albuquerque, New Mexico, as the same are shown and designated on the map of said Addition filed in the office of the County Clerk of Bernalillo County, New Mexico on December 9, 1929; THERE IS EXCEPTED from all of the above described ·lots the South 7.5 feet thereof.

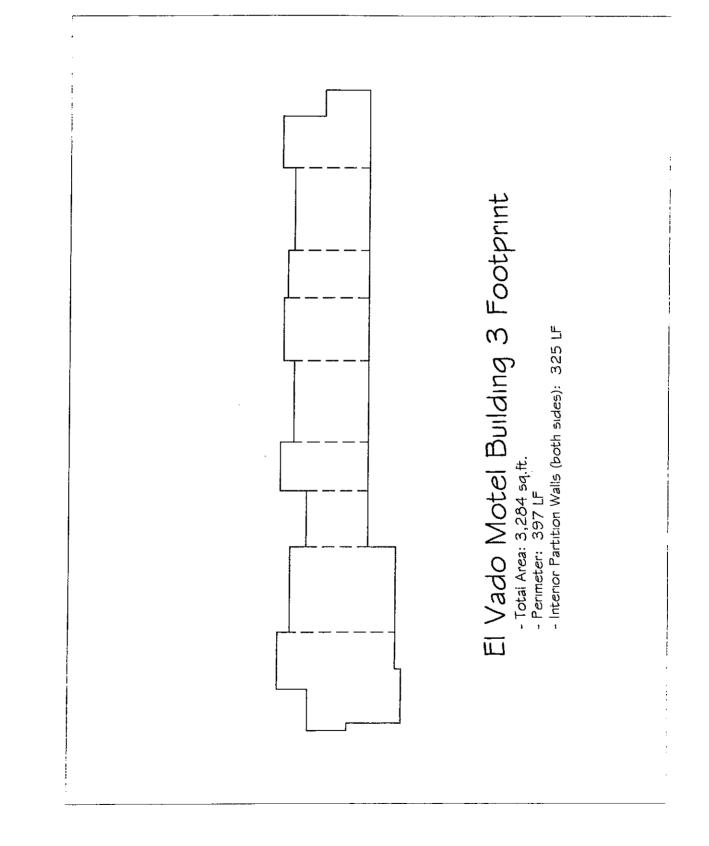


S. Inder

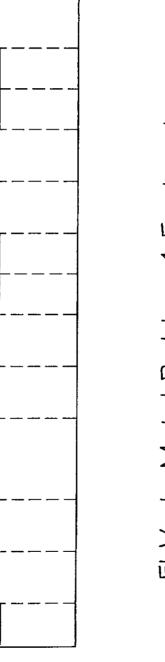
C. Martin

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10 C 10 C



- El Vado Motel Building 4 Footprint Total Area: 3,238 sq.ft. Perimeter: 379 ft. Interior Partition Walls: (Both Walls)485 In ft)

# Casa Grande

2500 Central Avenue Albuquerque, NM 87104

Inquiry Number: 2616773.1 October 19, 2009

# The EDR Environmental LienSearch<sup>™</sup> Report



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

# The EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- · search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- · search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

# Thank you for your business.

Please contact EDR at 1-800-352-0050 with any guestions or comments.

#### **Disclaimer - Copyright and Trademark Notice**

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# The EDR Environmental LienSearch<sup>™</sup> Report

# TARGET PROPERTY INFORMATION

# ADDRESS

2500 Central Avenue Casa Grande Albuquerque, NM 87104

# RESEARCH SOURCE

Source 1: Bernalillo County Clerk

Bernalillo, NM

# **PROPERTY INFORMATION**

# Deed 1:

	Type of Deed:	Warranty Deed
	Title is vested in:	Richard L Gonzales
	Title received from:	Salama Investments, Inc
	Deed Dated	10/19/2005
	Deed Recorded:	10/21/2005
	Book:	A105
	Page:	6547
	Volume:	NA
	Instrument:	2005156985
	Docket:	NA
	Land Record Comments:	
	Miscellaneous Comments:	
	Legal Description:	See Exhibit
	Legal Current Owner:	Richard L Gonzales
	Property Identifiers:	101205846525040131
	Comments:	See Exhibit
De	ed 2:	
	Type of Deed:	Special Warranty Deed
	Title is vested in:	Melecio Gonzales and Josie Gonzales Revocab
	Title we as it and frame.	Malasia Osmaalas and Issia Osmaalas

Title is vested in:	Melecio Gonzales and Josie Gonzales Revocable Trus
Title received from:	Melecio Gonzales and Josie Gonzales
Deed Dated	7/1/2003
Deed Recorded:	5/5/2004
Book:	A77
Page:	708
Volume:	NA
Instrument:	2004060870
Docket: Land Record Comments:	NA

# The EDR Environmental LienSearch<sup>™</sup> Report

Miscellaneous Comments:

Legal Description:	See Exhibit
Legal Current Owner:	Melecio Gonzales and Josie Gonzales Revocable Trust
Property Identifiers:	101205848826810206
Comments:	See Exhibit

Deed 3:

De	eu J.	
	Type of Deed:	Special Warranty Deed
	Title is vested in:	Melecio Gonzales and Josie Gonzales Revocable Trus
	Title received from:	Melecio Gonzales and Josie Gonzales
	Deed Dated	7/1/2003
	Deed Recorded:	5/5/2004
	Book:	A77
	Page:	711
	Volume:	NA
	Instrument:	2004060873
	Docket:	NA
	Land Record Comments:	
	Miscellaneous Comments:	
	Legal Description:	See Exhibit
	Legal Current Owner:	Melecio Gonzales and Josie Gonzales Revocable Trust
	Property Identifiers:	101205847427110201
	Comments:	See Exhibit
De	ed 4:	
	Type of Deed:	Special Warranty Deed
	Title is vested in:	Melecio Gonzales and Josie Gonzales Revocable Trus
	Title received from:	Melecio Gonzales and Josie Gonzales
	Deed Dated	7/1/2003
	Deed Recorded:	5/5/2004
	Book:	A77
	Page:	709
	Volume:	NA
	Instrument:	2004060871
	Docket:	NA
	Land Record Comments:	
	Miscellaneous Comments:	

Legal Description: See Exhibit

# The EDR Environmental LienSearch<sup>™</sup> Report

Legal Current Owner:	Melecio Gonzales a	and Josie Gon:	zales Revocable Trust
Property Identifiers:	1012058487280102	230	
Comments:	See Exhibit		
ENVIRONMENTAL LIEN			
Environmental Lien:	Found	Not Found	X
OTHER ACTIVITY AND USE LIMITATIONS (AULs)			
AULs:	Found	Not Found	X

**Deed Exhibit 1** 

Return to First American Title Insurance Company File No. 657812-AL01 LSA

#### WARRANTY DEED

Salama Investments, Inc., a New Mexico Corporation, for consideration paid, grant(s) to Richard L. Gonzales, an unmarried man whose address is 512 Cilantro Ln NW, Albuquerque, NM 87104, the following described real estate in Bernalillo County, New Mexico:

All of Lots, Numbered Twenty-Four (24) to Thirty-Five (35), inclusive, and all of Lots Numbered Thirty-Six (36), Thirty-Seven (37), Thirty-Eight (38) and Thirty-Nine (39) lying Easterly of a line drawn on a 6 degree 4' curve from a point on the North line of Lot 36 which is 10.97 feet Westerly from the Northeast corner thereof, to a point on the South line of Lot 39 which is 21.32 feet Westerly from the Southeast corner thereof, all in Block Numbered Three (3) of the WESTPARK ADDITION to the City of Albuquerque, New Mexico, as the same is shown and designated on the map of said addition, filed in the Office of the County Clerk of Bernalillo County, New Mexico, on December 9, 1929; There is excepted from all of the above described Lots, the South 7.5 feet thereof.

# Subject to patent reservations, restrictions, and easements of record and taxes for the year 2005 and subsequent years.

with warranty covenants.

WITNESS my/our hand(s) and seal(s) this Nineteenth day of October, 2005.

Salama Investments, Inc., a New Mexico Corporation

By: Shiraz Kassam, President

#### **Individual Capacity**

State of New Mexico County of Bernalillo

This instrument was acknowledged before me on the Nineteenth day of October, 2005, by Salama Investments, Inc..

) )§

)

) )§

)

My commission expires:

Notary Public

#### **Representative Capacity**

State of New Mexico County of Bernalillo

This instrument was acknowledged before me on October 19, 2005, by Shiraz Kassam as President of Salama Investments, Inc., a NM corporation, on behalf of said corporation.

My commission expires: 10-17-2006

Notary Public





**Deed Exhibit 2** 

# SPECIAL WARRANTY DEED

Melecio Gonzales and Josie Gonzales, husband and wife, for consideration paid deed to Melecio Gonzales and Josie Gonzales, Trustees of the Melecio Gonzales and Josie Gonzales Revocable Trust, dated May 4<sup>th</sup>, 1998, whose address is 3309 Blake Rd SW, Albuquerque, NM 87105 or their successor(s), all of their interest in the following described real estate in Bernalillo County, State of New Mexico, to wit:

# SEE EXHIBIT A

SUBJECT TO: any and all indebtedness, easements, taxes, covenants, reservations, requirements, restrictions, and all other matters that may be of record.

with warranty covenants.

, , , , , , , , , , , , , , , , , , , ,
WITNESS our hands and seal this <u>15+</u> day of <u></u> , 2003.
Madeio Monzola
Melecio Gonzales
Osie Homalis
Josle Gonzales

# ACKNOWLEDGMENT FOR NATURAL PERSONS

STATE OF NEW MEXICO

COUNTY OF Bernalillo

) ss.

THE FOREGOING INSTRUMENT was acknowledged before me this <u>/</u><u>5</u> day of <u>July</u>, 2003, by **Melecio Gonzales and Josie Gonzales**.

Øomm expires



2004060870 6074366 Page: 1 of 2 05/05/2004 08:57A Bk-A77 Pg-708

Exhibit"A"

4

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LT 8A-2A BLK 6 PLAT OF LTS 8A-1A & 8A-2A BLK 6 TRACTION PARK & CITY ELECTRIC CONT 0.1572 AC M/L OR 6,848 SQ FT M/L

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**Deed Exhibit 3** 

# SPECIAL WARRANTY DEED

**Melecio Gonzales and Josie Gonzales**, husband and wife, for consideration paid deed to **Melecio Gonzales and Josie Gonzales**, Trustees of the **Melecio Gonzales and Josie Gonzales Revocable Trust**, dated May 4<sup>th</sup>, 1998, whose address is 3309 Blake Rd SW, Albuquerque, NM 87105 or their successor(s), all of their interest in the following described real estate in Bernalillo County, State of New Mexico, to wit:

# SEE EXHIBIT A

SUBJECT TO: any and all indebtedness, easements, taxes, covenants, reservations, requirements, restrictions, and all other matters that may be of record.

with warranty covenants.

WITNESS our hands and seal this  $\frac{1}{5^{+}}$  day of \_ 

# ACKNOWLEDGMENT FOR NATURAL PERSONS

STATE OF NEW MEXICO

COUNTY OF Bernalillo

THE FOREGOING INSTRUMENT was acknowledged before me this  $\frac{1}{5}$  day of  $\frac{1}{5}$ , 2003, by **Melecio Gonzales and Josie Gonzales**.

) ss.

Comm expire



Exhibit'A"

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# LT 8A-1A BLK 6 PLAT OF LTS 8A-1A & 8A-2A BLK 6 TRACTION PARK & CITY ELECTRIC CONT 0.7089 AC M/L OR 30,880 SQ FT M/L



**Deed Exhibit 4** 

# SPECIAL WARRANTY DEED

Melecio Gonzales and Josie Gonzales, husband and wife, for consideration paid deed to Melecio Gonzales and Josie Gonzales, Trustees of the Melecio Gonzales and Josie Gonzales Revocable Trust, dated May 4<sup>th</sup>, 1998, whose address is 3309 Blake Rd SW, Albuquerque, NM 87105 or their successor(s), all of their interest in the following described real estate in Bernalillo County, State of New Mexico, to wit:

# SEE EXHIBIT A

SUBJECT TO: any and all indebtedness, easements, taxes, covenants, reservations, requirements, restrictions, and all other matters that may be of record.

with warranty covenants.

WITNESS our hands and seal this  $\frac{1}{5}$  day of Melecio Gonzales

ie Gonzales

# ACKNOWLEDGMENT FOR NATURAL PERSONS

STATE OF NEW MEXICO

COUNTY OF Bernalillo

THE FOREGOING INSTRUMENT was acknowledged before me this  $157^{-1}$  day of  $400^{-1}$ , 2003, by **Melecio Gonzales and Josie Gonzales**.

) ss.

Comm expires:



ExhibitA'



Lot numbered Eight-A-3 (8-A-3) in Block numbered Six (6) of the TRACTION PARK AND CITY ELECTRIC ADDITION, to the City of Albuquerque, New Mexico, as the same is shown and designated on the replat of of Lot 8A, Block 6 of said Addition, filed in the office of the County Clerk of Bernalillo County, New Mexico, on September 4, 1992 in Volume 92C, Folio 194.

....



Appendix C The EDR Radius Map<sup>™</sup> Report with GeoCheck<sup>®</sup>

# Casa Grande

2500 Central Avenue Albuquerque, NM 87104

Inquiry Number: 2585045.2s September 08, 2009

# The EDR Radius Map<sup>™</sup> Report with GeoCheck®



440 Wheelers Farms Road Milford, CT 06461 Toll Free: 800.352.0050 www.edrnet.com

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Detail Map	3
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Map Findings	7
Orphan Summary	17
Government Records Searched/Data Currency Tracking	GR-1

# **GEOCHECK ADDENDUM**

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Physical Setting SSURGO Soil Map	A-5
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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 was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### ADDRESS

2500 CENTRAL AVENUE ALBUQUERQUE, NM 87104

#### COORDINATES

 Latitude (North):
 35.094700 - 35° 5' 40.9"

 Longitude (West):
 106.676700 - 106° 40' 36.1"

 Universal Tranverse Mercator:
 Zone 13

 UTM X (Meters):
 347163.8

 UTM Y (Meters):
 3884633.0

 Elevation:
 4953 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:35106-A6 ALBUQUERQUE WEST, NMMost Recent Revision:1990

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Photo Year: Source: No Photo Available USDA

#### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

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

#### STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list
NPL\_\_\_\_\_ National Priority List

# **EXECUTIVE SUMMARY**

Proposed NPL\_\_\_\_\_ Proposed National Priority List Sites NPL LIENS\_\_\_\_\_ Federal Superfund Liens

# Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

#### Federal CERCLIS list

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

### Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF\_\_\_\_\_ RCRA - Transporters, Storage and Disposal

#### Federal RCRA generators list

RCRA-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator

#### Federal institutional controls / engineering controls registries

US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls

#### Federal ERNS list

ERNS\_\_\_\_\_ Emergency Response Notification System

#### State- and tribal - equivalent CERCLIS

SHWS\_\_\_\_\_\_ This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

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

SWF/LF..... Solid Waste Facilities

# State and tribal leaking storage tank lists

LAST..... Leaking Aboveground Storage Tank Sites INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

# State and tribal registered storage tank lists

AST\_\_\_\_\_ Aboveground Storage Tanks List INDIAN UST\_\_\_\_\_ Underground Storage Tanks on Indian Land

#### State and tribal institutional control / engineering control registries

INST CONTROL..... Sites with Institutional Controls

# **EXECUTIVE SUMMARY**

# State and tribal voluntary cleanup sites

VCP......Voluntary Remediation Program Sites INDIAN VCP......Voluntary Cleanup Priority Listing

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

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

# Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
SWRCY	Recycling Facility Listing
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands

#### Local Lists of Hazardous waste / Contaminated Sites

US CDL	Clandestine Drug Labs
	Clandestine Drug Laboratory Listing
	National Clandestine Laboratory Register

#### Local Land Records

LIENS 2	CERCLA Lien Information
LUCIS	Land Use Control Information System

### **Records of Emergency Release Reports**

HMIRS	Hazardous Materials Information Reporting System
SPILLS	

# Other Ascertainable Records

RCRA-NonGen	RCRA - Non Generators
DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide
	Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System

## **EXECUTIVE SUMMARY**

	Radiation Information Database
	. Facility Index System/Facility Registry System
DRYCLEANERS	
NPDES	
	List of Asbestos Demolition and Renovations Jobs
INDIAN RESERV	
	State Coalition for Remediation of Drycleaners Listing PCB Transformer Registration Database

## EDR PROPRIETARY RECORDS

## EDR Proprietary Records

Manufactured Gas Plants\_\_\_\_\_ EDR Proprietary Manufactured Gas Plants

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

## STANDARD ENVIRONMENTAL RECORDS

## Federal RCRA CORRACTS facilities list

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

A review of the CORRACTS list, as provided by EDR, and dated 03/25/2009 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PONDEROSA PRODUCTS INC	1701 BELLAMAH NORTHWESENE 1/2 - 1 (0.752 mi.)		B10	11

## **EXECUTIVE SUMMARY**

## State- and tribal - equivalent CERCLIS

SCS: State cleanup sites that fall under the state's Water Quality Control Commission Regulations.

A review of the SCS list, as provided by EDR, and dated 06/26/2009 has revealed that there are 2 SCS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KELLY'S TRANSMISSION	1816 CENTRAL SW	ESE 1/2 - 1 (0.511 mi.)	8	10
PONDEROSA PRODUCTS INC.	1701 BELLAMAH ST. NW	ENE 1/2 - 1 (0.752 mi.)	B9	11

## State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 08/01/2006 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
CASA GRANDE CHEVRON Facility Status: No Further Action Require	2501 CENTRAL NW	WNW 0 - 1/8 (0.013 mi.)	2	7	
SYLVAIN STEINLAUF P L Facility Status: No Further Action Require	2200 CENTRAL NW	E 1/8 - 1/4 (0.231 mi.)	A6	10	
SPILLMAN SITE Facility Status: No Further Action Require		NE 1/4 - 1/2 (0.379 mi.)	7	10	

## State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 08/01/2006 has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

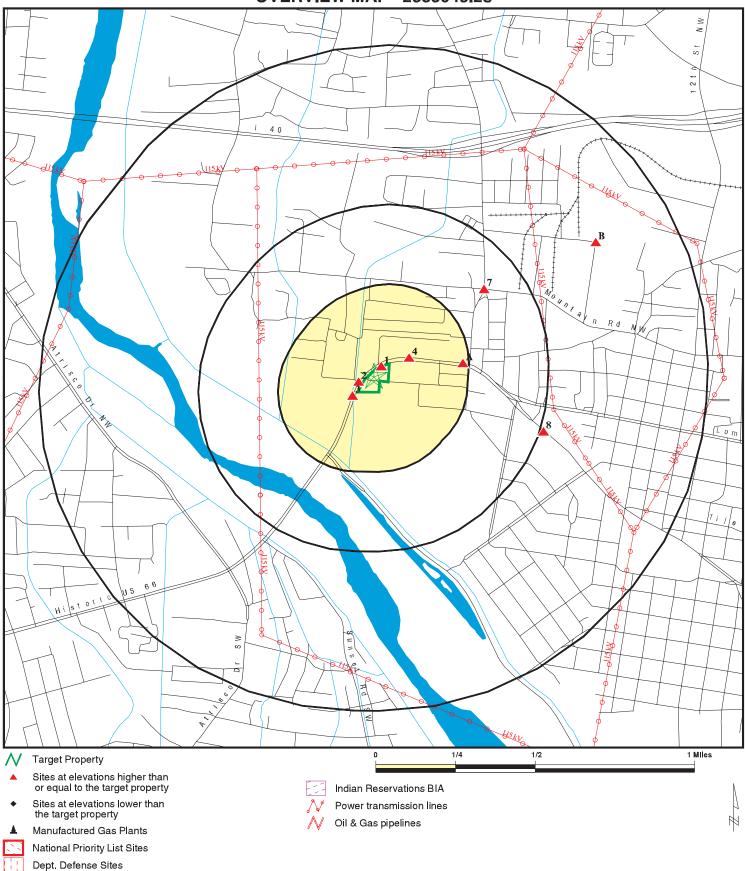
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
CIRCLE K 1446	2424 CENTRAL SW	NNW 0 - 1/8 (0.001 mi.)	1	7	
CASA GRANDE CHEVRON	2501 CENTRAL NW	WNW 0 - 1/8 (0.013 mi.)	2	7	
BIOLOGICAL GARDENS	2601 CENTRAL NW	SW 0 - 1/8 (0.019 mi.)	3	8	
ANTHEM OIL	2309 CENTRAL NW	ENE 0 - 1/8 (0.065 mi.)	4	8	
PARKING LOT	2200 CENTRAL NW	E 1/8 - 1/4 (0.231 mi.)	A5	9	

## **EXECUTIVE SUMMARY**

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

Site Name	Database(s)
A.S. HORNER	SCS
CARNUEL NO3	SCS
CONOCOPHILLIPS SOUTH (FORMERLY PHI	SCS
PROSPERITY & BROADWAY OIL SPILL	CERCLIS
MOUNTAINVIEW SUBDIVISION	CERC-NFRAP
ABCWUA SOILS AMENDMENT FACILITY	SWF/LF
SOUTHWEST ABATEMENT, INC.(BROADWAY	SWF/LF
8800 RIO GRANDE NORTH WEST	ERNS

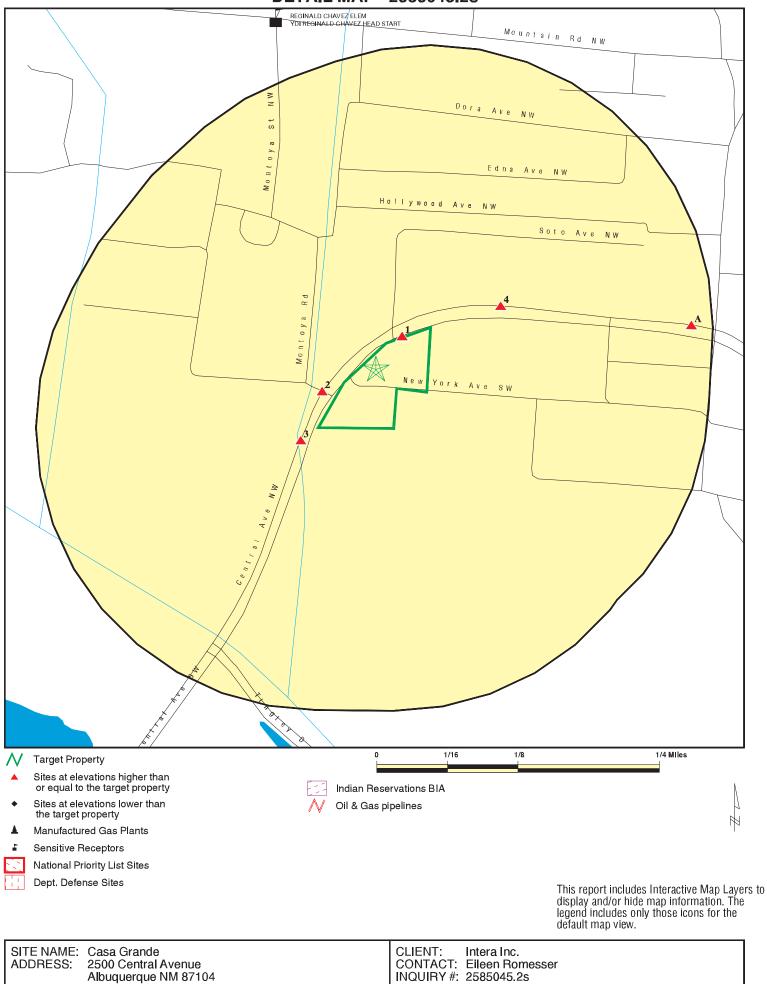
## **OVERVIEW MAP - 2585045.2s**



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Casa Grande	CLIENT: Intera Inc.
ADDRESS: 2500 Central Avenue	CONTACT: Eileen Romesser
Albuquerque NM 87104	INQUIRY #: 2585045.2s
LAT/LONG: 35.0947 / 106.6767	DATE: September 08, 2009 5:34 pm

# DETAIL MAP - 2585045.2s



LAT/LONG:

35.0947 / 106.6767

DATE: September 08, 2009 5:35 pm

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## **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
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	te list							
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP		0.500	0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS		1.000	0	0	0	1	NR	1
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generato	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent CERCLIS	5						
SCS SHWS		1.000 N/A	0 N/A	0 N/A	0 N/A	2 N/A	NR N/A	2 N/A
State and tribal landfill a solid waste disposal site								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking	storage tank l	ists						
LUST LAST INDIAN LUST		0.500 0.500 0.500	1 0 0	1 0 0	1 0 0	NR NR NR	NR NR NR	3 0 0
State and tribal registere	ad storage tor		U	U	U	INFX	INT	0
UST	su suraye ian	0.250	4	1	NR	NR	NR	5

## **MAP FINDINGS SUMMARY**

Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
	0.250 0.250	0 0	0 0	NR NR	NR NR	NR NR	0 0
onal ontrol registrie	es						
	0.500	0	0	0	NR	NR	0
ry cleanup site	es						
	0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
NTAL RECORD	<u>s</u>						
	0.500	0	0	0	NR	NR	0
Solid							
	0.500	0	0	0	NR	NR	0
		0	0		NR NR	NR	0 0
	0.500	0	0	0	NR	NR	0
is waste /							
	TP	NR	NR	NR	NR	NR	0
	TP	NR	NR	NR	NR	NR	0 0
	TP	NR	NR	NR	NR	NR	0
_ / _		0	0	0	NR	NR	0
Release Repo							0
	TP	NR NR	NR NR	NR	NR	NR	0 0
cords							
	0.250 TP 1.000 1.000 1.000 0.500 0.250 TP TP TP	0 NR 0 0 0 0 0 NR NR NR	0 NR 0 0 0 0 0 NR NR NR	NR NR 0 0 0 0 NR NR NR NR	NR 0 0 NR NR NR NR NR	NR NR NR NR NR NR NR NR NR NR	0 0 0 0 0 0 0 0 0 0 0 0 0
	Property onal ontrol registrie ry cleanup site NTAL RECORD Solid solid rs waste /	Target PropertyDistance (Miles)0.250 0.250onal ontrol registries0.500 ry cleanup sites0.500 0.500NTAL RECORDSNTAL RECORDSSolid0.500 0.500 0.500 0.500 0.500 0.500 0.500swaste /TP T	Target Property         Distance (Miles)         < 1/8           0.250         0           0.250         0           ontrol registries         0.500           0.500         0           ry cleanup sites         0.500           0.500         0           NTAL RECORDS         0.500           Solid         0.500           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           0.500         0           Release Reports         TP           1.000         0           1.000         0           0.250         0           TP         NR           1.000         0           0.250         0	Target Property         Distance (Miles)         < 1/8         1/8 - 1/4           0.250         0         0           0.250         0         0           onal ontrol registries         0.500         0         0           0.500         0         0         0           ry cleanup sites         0.500         0         0           NTAL RECORDS         0.500         0         0           Solid         0.500         0         0           0.500         0         0         0           Solid         0.500         0         0           0.500         0         0         0           swaste /         TP         NR         NR           TP         NR         NR         NR           Release Reports         TP         NR         NR           TP         NR         NR         NR           1.000         0         0         0           1.000         0         0         0           TP         NR         NR         NR           TP         NR         NR         0           0.250         0         0         0	Target Property         Distance (Miles)         < 1/8         1/8         1/4         1	Target Property         Distance (Miles)         < 1/8         1/8 - 1/4         1/4 - 1/2         1/2 - 1           0.250         0         0         0         NR         NR           ontal ontrol registries         0.500         0         0         NR         NR           orget         0.500         0         0         0         NR         NR           ry cleanup sites         0.500         0         0         0         NR         NR           NTAL RECORDS         0.500         0         0         0         NR         NR           Solid         0.500         0         0         0         NR         NR           swaste /         TP         NR         NR         NR         NR         NR           rs waste /         TP         NR         NR         NR         NR         NR           rs cords         TP	Target Property (Miles)         Distance (Miles)         <1/8         1/8 - 1/4         1/4 - 1/2         1/2 - 1         > 1           0.250         0         0         0         NR         NR         NR           0.250         0         0         0         NR         NR         NR           onal introl registries         0.500         0         0         0         NR         NR           0.500         0         0         0         0         NR         NR           0.500         0         0         0         NR         NR           0.500         0         0         0         NR         NR           NTAL RECORDS         0.500         0         0         NR         NR           Solid         0.500         0         0         0         NR         NR           NR         NR         NR         NR         NR         NR         NR           Solid         0.500         0         0         0         NR         NR           TP         NR         NR         NR         NR         NR         NR           swaste /         TP         NR         NR

## **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
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
ASBESTOS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECOR	RDS							
EDR Proprietary Record	S							
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

## NOTES:

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.

Owner Address:

PO BOX 25845

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

1 NNW < 1/8 0.001 mi. 7 ft.	CIRCLE K 1446 2424 CENTRAL SW ALBUQUERQUE, NM 87	UST	U003189283 N/A		
Relative: Higher Actual: 4954 ft.	UST: Facility ID: Secondary Address: Owner ID: Owner Name: Owner Address: Owner Address 2: Owner City,St,Zip: Owner Telephone: Tank ID: Tank Status: Tank Type:	1070 Not reported 353 CIRCLE K STORES II 495 E RINCON ST, S Not reported CORONA, CA 92879 602-728-3593 17322 <b>REMOVED</b> Underground			
	Tank Capacity: Tank Substance:	8000 GASOLINE UNKNOW	/N TYPE		
	Tank ID: <b>Tank Status:</b> Tank Type: Tank Capacity: Tank Substance:	17323 REMOVED Underground 8000 GASOLINE UNKNOW	/N TYPE		
	Tank ID: <b>Tank Status:</b> Tank Type: Tank Capacity: Tank Substance:	17324 REMOVED Underground 8000 GASOLINE UNKNOW	/N TYPE		
2 WNW < 1/8 0.013 mi. 68 ft.	CASA GRANDE CHEVRO 2501 CENTRAL NW ALBUQUERQUE, NM 87			LUST UST	U003189263 N/A
Relative: Higher	LUST: Facility ID: <b>Status:</b>		27269 No Further Action Required		
Actual: 4953 ft.	Status Status Date: Release ID: Date Release Repor Priority Rank: Mitigating Factor Sc Total Score To Assig Project Manager:	ore:	04/02/1997 1339 06/12/1992 Not reported Not reported Not reported UNKNOWN		
	UST: Facility ID: Secondary Address: Owner ID: Owner Name: Owner Address:	14134	CO EVER READY OIL CO INC		

Database(s)

EDR ID Number EPA ID Number

U003189263

### CASA GRANDE CHEVRON (Continued)

Owner Address 2:Not reportedOwner City,St,Zip:ALBUQUERQUE, NM 87125Owner Telephone:505-842-8444

Tank ID:22650Tank Status:REMOVEDTank Type:UndergroundTank Capacity:6000Tank Substance:GASOLINE UNKNOWN TYPE

Tank ID:22651Tank Status:REMOVTank Type:UndergrTank Capacity:10000Tank Substance:GASOLI

Secondary Address: Not reported

16164

Owner ID:

Actual:

4954 ft.

REMOVED Underground 10000 GASOLINE UNKNOWN TYPE

Tank ID:22652Tank Status:REMOVEDTank Type:UndergroundTank Capacity:10000Tank Substance:GASOLINE UNKNOWN TYPE

3 SW < 1/8 0.019 mi. 100 ft.	BIOLOGICAL GARDENS 2601 CENTRAL NW ALBUQUERQUE, NM 87		US	т	U
Relative: Higher Actual: 4953 ft.	UST: Facility ID: Secondary Address: Owner ID: Owner Name: Owner Address: Owner Address 2: Owner City,St,Zip: Owner Telephone:	975 Not reported 14890 ALBUQUERQUE (CITY OF) - ENVIRONMENTAL HEALTH DEPT PO BOX 1293 Not reported ALBUQUERQUE, NM 87103 505-768-2669			
4 ENE	Tank ID: Tank Status: Tank Type: Tank Capacity: Tank Substance: ANTHEM OIL 2309 CENTRAL NW	17053 REMOVED Underground 4000 USED OIL	US	т	U
< 1/8 0.065 mi. 343 ft. Relative: Higher	ALBUQUERQUE, NM 87 UST: Facility ID:	27721			

JST U003189222 N/A

IST U003543290 N/A

Map ID Direction Distance Elevation Site

Database(s)

EDR ID Number EPA ID Number

## ANTHEM OIL (Continued)

MROCK REFINING AND MARKETING
IGUEZ OPERATION AND ENVIRONMENTAL
9972

Tank ID:	23761
Tank Status:	CURRENTLY IN USE
Tank Type:	Underground
Tank Capacity:	12000
Tank Substance:	UNLEADED GASOLINE

Tank ID:	23762
Tank Status:	<b>CURRENTLY IN USE</b>
Tank Type:	Underground
Tank Capacity:	12000
Tank Substance:	UNLEADED PLUS

Tank ID: <b>Tank Status:</b>	23763 CURRENTLY IN USE
Tank Type:	Underground
Tank Capacity:	10000
Tank Substance:	SUPER UNLEADED

#### A5 East PARKING LOT 2200 CENTRAL NW

East 1/8-1/4 0.231 mi. 1219 ft.	2200 CENTRAL NW ALBUQUERQUE, NM 87 Site 1 of 2 in cluster A	104
Relative:	UST:	
Higher	Facility ID:	29856
0	Secondary Address:	Not reported
Actual:	Owner ID:	16271
4955 ft.	Owner Name:	STIENLAUF SYLVAIN
	Owner Address:	1213 CAGUA NE
	Owner Address 2:	Not reported
	Owner City,St,Zip:	ALBUQUERQUE, NM 87110
	Owner Telephone:	505-266-4759
	Tank ID:	28673
	Tank Status:	REMOVED
	Tank Type:	Underground
	Tank Capacity:	560
	Tank Substance:	USED OIL

UST U003189745 N/A

Map ID Direction		MAP FINDINGS		
Distance Elevation	Site		Database(s)	EDR ID Number EPA ID Number
A6 East 1/8-1/4 0.231 mi. 1219 ft.	SYLVAIN STEINLAUF P L 2200 CENTRAL NW ALBUQUERQUE, NM 87104		LUST	S103924814 N/A
Relative:	Site 2 of 2 in cluster A			
Higher	Facility ID:	29856		
Actual: 4955 ft.	Status: Status Date: Release ID: Date Release Reported: Priority Rank: Mitigating Factor Score: Total Score To Assign Relative Ran Project Manager:	No Further Action Required 07/30/1992 1213 04/17/1992 Not reported Not reported k: Not reported UNKNOWN		
7 NE 1/4-1/2 0.379 mi. 2001 ft.	SPILLMAN SITE 601 RIO GRANDE BLVD NW ALBUQUERQUE, NM 87104		LUST	S101568750 N/A
Relative:	LUST:			
Higher Actual: 4957 ft.	Facility ID: <b>Status:</b> Status Date: Release ID:	30730 <b>No Further Action Required</b> 03/08/1993 751		
	Date Release Reported: Priority Rank: Mitigating Factor Score: Total Score To Assign Relative Ran Project Manager:	06/27/1991 Not reported Not reported k: Not reported UNKNOWN		
8 ESE 1/2-1 0.511 mi. 2699 ft.	KELLY'S TRANSMISSION 1816 CENTRAL SW ALBQ., NM		SCS	S109096208 N/A
Relative: Higher	SCS: Latitude:	Not reported		
Actual: 4955 ft.	Longitude: Size(Acres): Contaminate Of Concern: Depth To Water(Ft): Flow Direction: Media Impacted: Regulatory Status: Assessment Or Abatement Option: Comments: Event: Discharge Date: Actions Taken: GWWB Status:	Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported Not reported vehicle hydraulic lift releases, and oil water separat Not reported 12 lift removals, OWS removal, soil excavation, MW closed		
	Closed Date:	3/23/2007		

3/23/2007

Closed Date:

Database(s)

EDR ID Number EPA ID Number

B9	PONDEROSA PRODUCTS INC.	scs	S108954238
ENE 1/2-1	1701 BELLAMAH ST. NW ALBUQUERQUE, NM		N/A
0.752 mi.			
3972 ft.	Site 1 of 2 in cluster B		
Relative:	SCS:	Net ere etteri	
Higher	Latitude: Longitude:	Not reported Not reported	
Actual:	Size(Acres):	Not reported	
4962 ft.	Contaminate Of Concern: Depth To Water(Ft):	Not reported Not reported	
	Flow Direction:	Not reported	
	Media Impacted:	Not reported	
	Regulatory Status:	Not reported	
	Assessment Or Abatement Op Comments:	tion: Not reported Not reported	
	Event:	Discharge, WW/nitrates, formaldehyde	
	Discharge Date:	1/16/1984	
	Actions Taken:	Settlement agreement, 1/4 sampling	
	GWWB Status: Closed Date:	closed 2/2/2002	
B10	PONDEROSA PRODUCTS INC	RCRA-SQG	1000188245
ENE	1701 BELLAMAH NORTHWEST	FINDS	NMD064913882
1/2-1 0.752 mi.	ALBUQUERQUE, NM 87104	RCRA-TSDF CORRACTS	
3972 ft.	Site 2 of 2 in cluster B		
Relative:	RCRA-SQG:		
Higher	Date form received by agency:		
Actual:	,		
4962 ft.	5	1701 BELLAMAH NW ALBUQUERQUE, NM 87125	
		NMD064913882	
	5	PO BOX 25506	
		ALBUQUERQUE, NM 87125 DAVID DUDLEY	
		PO BOX 25506	
		ALBUQUERQUE, NM 87125	
	5	US	
	•	(505) 843-7400 Not reported	
		06	
		Facility is not located on Indian land. Additional information is not known.	
		TSDF	
	•	Handler is engaged in the treatment, storage or disposal of hazardous waste	
	TSD commencement date:	Not reported	
	Owner/Operator Summary:		
	Owner/operator name:	JAMES D. HARRISON	
	1	P.O. BOX 25506	
		ALBUQUERQUE, NM 87125 Not reported	
		(505) 843-7400	
	Legal status:	Private	
	1 ,1	Owner	
	Owner/Op start date:	01/01/0001	

Database(s)

EDR ID Number EPA ID Number

PONDEROSA	PRODUCTS INC	(Continued)

-		
	Owner/Op end date:	Not reported
	Owner/operator name:	JAMES D. HARRISON
	Owner/operator address:	P.O. BOX 25506
		ALBUQUEQUE, NM 87125
	Owner/operator country:	Not reported
	Owner/operator telephone:	(505) 843-7400
	Legal status:	Private
	Owner/Operator Type:	Operator
	Owner/Op start date:	Not reported
	Owner/Op end date:	Not reported
Н	andler Activities Summary:	
	U.S. importer of hazardous wa	aste: Unknown
	Mixed waste (haz, and radioa	ctive): Unknown

#### Mixed waste (haz. and radioactive): Unknown Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Unknown Furnace exemption: Unknown Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agenc	y:03/01/1994
Facility name:	PONDEROSA PROD INC
Site name:	PONDEROSA PRODUCTS, INC.
Classification:	Large Quantity Generator

Date form received by agency	:05/15/1985
Facility name:	PONDEROSA PROD INC
Classification:	Small Quantity Generator

Hazardous Waste Summary:

Hazardous Waste Summary:	
Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS

## 1000188245

PONDEROSA PRODUCTS INC (	Continued)	1000188245
	CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON- SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLU MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F00 BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS A MIXTURES.	ME) OF ONE OR 95, AND STILL
Waste code: Waste name:	F005 THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUE KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVEN CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS O LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE F THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.	E, T MIXTURES/BLENDS E (BY VOLUME) OF PR THOSE SOLVENTS
Corrective Action Summary:		
Event:	03/27/1998 CA Prioritization, Facility or area was assigned a low corrective action priority.	
Event date: Event:	03/27/1998 RFA Completed	
Event date: Event:	05/26/2005 Certification Of Remedy Completion Or Construction Completion	
Event date: Event:	05/26/2005 Corrective Action Process Terminated	
Event date: Event:	05/26/2005 Date For Remedy Selection (CM Imposed)	
Facility Has Received Notices of	Violatione	
Regulation violated:	Not reported	
Area of violation:	Generators - General	
Date violation determined:	01/08/1987	
Date achieved compliance:	03/24/1987	
Violation lead agency: Enforcement action:	State WRITTEN INFORMAL	
Enforcement action date:	02/22/1987	
Enf. disposition status:	Not reported	
Enf. disp. status date:	Not reported	
Enforcement lead agency: Proposed penalty amount:	State Not reported	
Final penalty amount:	Not reported	
Paid penalty amount:	Not reported	
Regulation violated:	Not reported	
Area of violation:	Generators - General	
Date violation determined:	11/01/1986	
Date achieved compliance: Violation lead agency:	12/23/1986 State	
Enforcement action:	WRITTEN INFORMAL	
Enforcement action date:	11/12/1986	
Enf. disposition status:	Not reported	
Enf. disp. status date:	Not reported	

Database(s)

EDR ID Number EPA ID Number

## PONDEROSA PRODUCTS INC (Continued)

Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported
Regulation violated: Area of violation: Date violation determined: Date achieved compliance: Violation lead agency: Enforcement action date: Enf. disposition status: Enf. disp. status date: Enforcement lead agency: Proposed penalty amount: Final penalty amount: Paid penalty amount:	Not reported Generators - General 03/27/1985 05/31/1985 State WRITTEN INFORMAL 04/26/1985 Not reported Not reported State Not reported Not reported Not reported Not reported Not reported
Evaluation Action Summary: Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency:	09/27/2000 FOCUSED COMPLIANCE INSPECTION Not reported Not reported State
Evaluation date:	09/27/2000
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	01/08/1987
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	03/24/1987
Evaluation lead agency:	State
Evaluation date:	11/01/1986
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Generators - General
Date achieved compliance:	12/23/1986
Evaluation lead agency:	State
Evaluation date: Evaluation: Area of violation: Date achieved compliance: Evaluation lead agency: FINDS:	03/27/1985 COMPLIANCE EVALUATION INSPECTION ON-SITE Generators - General 05/31/1985 State

Registry ID: 110000472382

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the 1000188245

EDR ID Number Database(s) EPA ID Number

#### PONDEROSA PRODUCTS INC (Continued)

National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

New Mexico Tools for Environmental Management and Protection Organizations (NM-TEMPO) is New Mexico's environmental management system.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

### CORRACTS:

EPA ID:	NMD064913882
EPA Region:	6
Area Name:	ENTIRE FACILITY
Actual Date:	3/27/1998
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	Not reported
Original schedule date:	Not reported

### 1000188245

Database(s)

EDR ID Number EPA ID Number

1000188245

## PONDEROSA PRODUCTS INC (Continued)

DEROSATRODUCTS	
Schedule end date:	Not reported
EPA ID:	NMD064913882
EPA Region:	6
Area Name:	ENTIRE FACILITY
Actual Date:	3/27/1998
Action:	CA050 - RFA Completed
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported
EPA ID:	NMD064913882
EPA Region:	6
Area Name:	ENTIRE FACILITY
Actual Date:	5/26/2005
Action:	CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported
EPA ID:	NMD064913882
EPA Region:	6
Area Name:	ENTIRE FACILITY
Actual Date:	5/26/2005
Action:	CA999 - Corrective Action Process Terminated
NAICS Code(s):	Not reported
Original schedule date:	Not reported
Schedule end date:	Not reported
EPA ID:	NMD064913882
EPA Region:	6
Area Name:	ENTIRE FACILITY
Actual Date:	5/26/2005
Action:	CA400 - Date For Remedy Selection (CM Imposed)

Not reported

Not reported

NAICS Code(s):

Schedule end date:

Original schedule date: Not reported

### ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALBUQUERQUE	S108954215	A.S. HORNER	6280 SR 303 SE		SCS
ALBUQUERQUE	S109596257	ABCWUA SOILS AMENDMENT FACILITY	7401 ACCESS ROAD NW, ALBUQUERQ	87105	SWF/LF
ALBUQUERQUE	S109096169	CARNUEL NO3	OLD RT 66, CARNUEL, NM		SCS
ALBUQUERQUE	1007490818	PROSPERITY & BROADWAY OIL SPILL	PROSPERITY & BROADWAY OIL SPIL		CERCLIS
ALBUQUERQUE	2001553767	8800 RIO GRANDE NORTH WEST	8800 RIO GRANDE NORTH WEST		ERNS
ALBUQUERQUE	1003873679	MOUNTAINVIEW SUBDIVISION	ST RT 47, 3 MI N INTST HWY 25	87105	CERC-NFRAP
ALBUQUERQUE	S109229025	SOUTHWEST ABATEMENT, INC.(BROADWAY	SMALL TS - RECYCLING CENTER, 5	87105	SWF/LF
ALBUQUERQUE	S108954078	CONOCOPHILLIPS SOUTH (FORMERLY PHI	6356 STATE RD. 47	87105	SCS

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

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

### STANDARD ENVIRONMENTAL RECORDS

### Federal NPL site list

#### NPL: National Priority List

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

Date of Government Version: 02/02/2009 Date Data Arrived at EDR: 02/12/2009 Date Made Active in Reports: 03/30/2009 Number of Days to Update: 46 Source: EPA Telephone: N/A Last EDR Contact: 07/31/2009 Next Scheduled EDR Contact: 10/26/2009 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC) Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143

EPA Region 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665

### Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

EPA Region 6

EPA Region 7

EPA Region 8

**EPA Region 9** 

Telephone: 214-655-6659

Telephone: 913-551-7247

Telephone: 303-312-6774

Telephone: 415-947-4246

Date of Government Version: 04/23/2009 Date Data Arrived at EDR: 04/28/2009 Date Made Active in Reports: 05/19/2009 Number of Days to Update: 21

Source: EPA Telephone: N/A Last EDR Contact: 07/31/2009 Next Scheduled EDR Contact: 10/26/2009 Data Release Frequency: Quarterly

### NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56 Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: No Update Planned

### Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 02/02/2009 Date Data Arrived at EDR: 02/12/2009 Date Made Active in Reports: 03/30/2009 Number of Days to Update: 46 Source: EPA Telephone: N/A Last EDR Contact: 07/31/2009 Next Scheduled EDR Contact: 10/26/2009 Data Release Frequency: Quarterly

### Federal CERCLIS list

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

Date of Government Version: 01/09/2009 Date Data Arrived at EDR: 01/30/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 101 Source: EPA Telephone: 703-412-9810 Last EDR Contact: 07/14/2009 Next Scheduled EDR Contact: 10/12/2009 Data Release Frequency: Quarterly

### Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 12/03/2007 Date Data Arrived at EDR: 12/06/2007 Date Made Active in Reports: 02/20/2008 Number of Days to Update: 76 Source: EPA Telephone: 703-412-9810 Last EDR Contact: 06/15/2009 Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

#### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2009	Source: EPA
Date Data Arrived at EDR: 04/02/2009	Telephone: 800-424-9346
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/31/2009
Number of Days to Update: 39	Next Scheduled EDR Contact: 11/30/2009
	Data Release Frequency: Quarterly

### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste. Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 118 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 09/02/2009 Next Scheduled EDR Contact: 10/19/2009 Data Release Frequency: Quarterly

## Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 11/12/2008SourDate Data Arrived at EDR: 11/18/2008TeleDate Made Active in Reports: 03/16/2009LastNumber of Days to Update: 118Next

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 09/02/2009 Next Scheduled EDR Contact: 10/19/2009 Data Release Frequency: Quarterly

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 118 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 09/02/2009 Next Scheduled EDR Contact: 10/19/2009 Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 118 Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 09/02/2009 Next Scheduled EDR Contact: 10/19/2009 Data Release Frequency: Varies

### Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 03/31/2009 Date Data Arrived at EDR: 04/22/2009 Date Made Active in Reports: 05/05/2009 Number of Days to Update: 13 Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 06/29/2009 Next Scheduled EDR Contact: 09/28/2009 Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/31/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/22/2009	Telephone: 703-603-0695
Date Made Active in Reports: 05/05/2009	Last EDR Contact: 06/29/2009
Number of Days to Update: 13	Next Scheduled EDR Contact: 09/28/2009
	Data Release Frequency: Varies

### Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2008Source: National Response Center, United States Coast GuardDate Data Arrived at EDR: 01/30/2009Telephone: 202-267-2180Date Made Active in Reports: 05/19/2009Last EDR Contact: 08/26/2009Number of Days to Update: 109Next Scheduled EDR Contact: 10/19/2009Data Release Frequency: Annually

### State- and tribal - equivalent CERCLIS

#### SCS: State Cleanup Sites Listing

State cleanup sites that fall under the state's Water Quality Control Commission Regulations.

Date of Government Version: 06/26/2009	Source: Environment Department
Date Data Arrived at EDR: 07/21/2009	Telephone: 505-827-2855
Date Made Active in Reports: 08/13/2009	Last EDR Contact: 07/21/2009
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/19/2009
	Data Release Frequency: Varies

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

Date of Government Version: N/A	Source: Department of the Environment
Date Data Arrived at EDR: N/A	Telephone: 505-827-2918
Date Made Active in Reports: N/A	Last EDR Contact: 07/20/2009
Number of Days to Update: N/A	Next Scheduled EDR Contact: 10/19/2009
	Data Release Frequency: N/A

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

SWF/LF: Solid Waste Facilities

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: 06/16/2009 Date Data Arrived at EDR: 06/16/2009 Date Made Active in Reports: 07/09/2009 Number of Days to Update: 23 Source: New Mexico Environment Department Telephone: 505-827-0347 Last EDR Contact: 08/31/2009 Next Scheduled EDR Contact: 11/30/2009 Data Release Frequency: Semi-Annually

### State and tribal leaking storage tank lists

	ation Database Reports. LUST records contain an inventory of reported leaking underground n these records, and the information stored varies by state.
Date of Government Version: 08/01/2006 Date Data Arrived at EDR: 10/06/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 33	Source: New Mexico Environment Department Telephone: 505-984-1741 Last EDR Contact: 07/27/2009 Next Scheduled EDR Contact: 10/26/2009 Data Release Frequency: Varies
LAST: Leaking Aboveground Storage Tank Sites A listing of leaking aboveground storage tank	sites.
Date of Government Version: 05/01/2006 Date Data Arrived at EDR: 05/01/2006 Date Made Active in Reports: 06/05/2006 Number of Days to Update: 35	Source: Environment Department Telephone: 505-984-1926 Last EDR Contact: 07/27/2009 Next Scheduled EDR Contact: 10/26/2009 Data Release Frequency: Quarterly
INDIAN LUST R1: Leaking Underground Storage A listing of leaking underground storage tank	
Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 25	Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Varies
INDIAN LUST R4: Leaking Underground Storage LUSTs on Indian land in Florida, Mississippi a	
Date of Government Version: 02/24/2009 Date Data Arrived at EDR: 03/03/2009 Date Made Active in Reports: 05/05/2009 Number of Days to Update: 63	Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Semi-Annually
INDIAN LUST R6: Leaking Underground Storage LUSTs on Indian land in New Mexico and Ok	
Date of Government Version: 05/20/2009 Date Data Arrived at EDR: 05/20/2009 Date Made Active in Reports: 05/29/2009 Number of Days to Update: 9	Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Varies
INDIAN LUST R7: Leaking Underground Storage LUSTs on Indian land in Iowa, Kansas, and N	
Date of Government Version: 03/24/2009 Date Data Arrived at EDR: 05/20/2009 Date Made Active in Reports: 06/17/2009 Number of Days to Update: 28	Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 08/21/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Varies
INDIAN LUST R8: Leaking Underground Storage	Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 06/01/2009		
Date Data Arrived at EDR: 06/03/2009		
Date Made Active in Reports: 06/17/2009		
Number of Days to Update: 14		

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/15/2008 Date Data Arrived at EDR: 12/16/2008	Source: Environmental Protection Agency Telephone: 415-972-3372
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 90	Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Quarterly

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

Date of Government Version: 06/04/2009	Source: EPA Region 10
Date Data Arrived at EDR: 06/05/2009	Telephone: 206-553-2857
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 08/17/2009
Number of Days to Update: 12	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Quarterly

### State and tribal registered storage tank lists

### UST: Listing of Underground Storage Tanks

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: 08/01/2006 Date Data Arrived at EDR: 09/27/2006 Date Made Active in Reports: 10/23/2006 Number of Days to Update: 26 Source: New Mexico Environment Department Telephone: 505-984-1741 Last EDR Contact: 07/07/2009 Next Scheduled EDR Contact: 09/21/2009 Data Release Frequency: Varies

AST: Aboveground Storage Tanks List

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

Date of Government Version: 08/01/2006 Date Data Arrived at EDR: 09/27/2006 Date Made Active in Reports: 10/20/2006 Number of Days to Update: 23 Source: Environment Department Telephone: 505-984-1926 Last EDR Contact: 07/07/2009 Next Scheduled EDR Contact: 09/21/2009 Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/15/2008 Date Data Arrived at EDR: 12/16/2008 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 90 Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/04/2009 Date Data Arrived at EDR: 06/05/2009 Date Made Active in Reports: 06/17/2009 Number of Days to Update: 12 Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/01/2009 Date Data Arrived at EDR: 06/03/2009 Date Made Active in Reports: 06/17/2009 Number of Days to Update: 14 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 08/21/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/20/2009 Date Data Arrived at EDR: 05/20/2009 Date Made Active in Reports: 05/29/2009 Number of Days to Update: 9 Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Semi-Annually

/16/2009

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/08/2008	Source: EPA Region 5
Date Data Arrived at EDR: 09/19/2008	Telephone: 312-886-6136
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 08/17/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/24/2009 Date Data Arrived at EDR: 03/03/2009 Date Made Active in Reports: 05/05/2009 Number of Days to Update: 63 Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 25 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Varies

### State and tribal institutional control / engineering control registries

INST CONTROL: Sites with Institutional Controls

Sites included in the Voluntary Cleanup listing that have Institutional Controls in place.

Date of Government Version: 06/30/2009	Source: Environment Department
Date Data Arrived at EDR: 08/04/2009	Telephone: 505-827-2754
Date Made Active in Reports: 08/13/2009	Last EDR Contact: 08/04/2009
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/19/2009
	Data Release Frequency: Varies

## State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Program Sites Sites involved in the Voluntary Remediation Program.

Date of Government Version: 06/30/2009	Source: Environment Department
Date Data Arrived at EDR: 08/04/2009	Telephone: 505-827-2754
Date Made Active in Reports: 08/13/2009	Last EDR Contact: 08/04/2009
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/19/2009
	Data Release Frequency: Varies

## INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008 Number of Days to Update: 27 Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009 Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

## INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 04/02/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008 Number of Days to Update: 27 Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 07/20/2009 Next Scheduled EDR Contact: 10/19/2009 Data Release Frequency: Varies

## ADDITIONAL ENVIRONMENTAL RECORDS

### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008 Date Data Arrived at EDR: 11/14/2008 Date Made Active in Reports: 12/23/2008 Number of Days to Update: 39 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 07/14/2009 Next Scheduled EDR Contact: 10/12/2009 Data Release Frequency: Semi-Annually

### Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008	Source: EPA, Region 9
Date Data Arrived at EDR: 04/17/2008	Telephone: 415-972-3336
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 07/13/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/21/2009
	Data Release Frequency: Varies

### ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

## SWRCY: Recycling Facility Listing

A listing of recycling facility locations.

Date of Government Version: 06/16/2009 Date Data Arrived at EDR: 06/16/2009 Date Made Active in Reports: 07/09/2009 Number of Days to Update: 23 Source: Environment Department Telephone: 505-827-0197 Last EDR Contact: 08/31/2009 Next Scheduled EDR Contact: 11/30/2009 Data Release Frequency: Varies

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

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 08/26/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/23/2009
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

#### US CDL: Clandestine Drug Labs

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

Date of Government Version: 07/01/2008	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 10/31/2008	Telephone: 202-307-1000
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 03/26/2009
Number of Days to Update: 53	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: Quarterly

### CDL: Clandestine Drug Laboratory Listing

A listing of clandestine drug labs, such as illegal methamphetamine labs.

Date of Government Version: 08/11/2009 Date Data Arrived at EDR: 08/11/2009 Date Made Active in Reports: 08/19/2009 Number of Days to Update: 8

Source: Environment Department Telephone: 505-476-6000 Last EDR Contact: 08/11/2009 Next Scheduled EDR Contact: 11/09/2009 Data Release Frequency: Varies

## US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009 Number of Days to Update: 131 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 03/23/2009 Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

## Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 05/29/2009 Date Data Arrived at EDR: 06/03/2009 Date Made Active in Reports: 06/17/2009 Number of Days to Update: 14 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 08/17/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 31 Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 09/08/2009 Next Scheduled EDR Contact: 12/07/2009 Data Release Frequency: Varies

### **Records of Emergency Release Reports**

Telephone: 202-366-4555 Last EDR Contact: 07/16/2009

## HMIRS: Hazardous Materials Information Reporting System Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 43

SPILLS: Spill Data

Hazardous materials spills data.

Date of Government Version: 01/12/2006 Date Data Arrived at EDR: 01/23/2006 Date Made Active in Reports: 02/27/2006 Number of Days to Update: 35

Source: Environment Department Telephone: 505-827-0166 Last EDR Contact: 07/20/2009 Next Scheduled EDR Contact: 10/19/2009 Data Release Frequency: Varies

Source: U.S. Department of Transportation

Next Scheduled EDR Contact: 10/12/2009 Data Release Frequency: Annually

## Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

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

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009 Number of Days to Update: 118

Source: Environmental Protection Agency Telephone: 214-665-6444 Last EDR Contact: 09/02/2009 Next Scheduled EDR Contact: 10/19/2009 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 05/14/2008	Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/28/2008	Telephone: 202-366-4595
Date Made Active in Reports: 08/08/2008	Last EDR Contact: 08/27/2009
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/23/2009
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 62

Source: USGS Telephone: 703-692-8801 Last EDR Contact: 05/08/2009 Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2007	
Date Data Arrived at EDR: 09/05/2008	
Date Made Active in Reports: 09/23/2008	
Number of Days to Update: 18	

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 07/01/2009 Next Scheduled EDR Contact: 09/28/2009 Data Release Frequency: Varies

## CONSENT: Superfund (CERCLA) Consent Decrees

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

	periodically by United States District Courts after settlement by parties to litigation matters.		
	Date of Government Version: 01/27/2009 Date Data Arrived at EDR: 04/23/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 18	Source: Department of Justice, Consent Decree Library Telephone: Varies Last EDR Contact: 07/20/2009 Next Scheduled EDR Contact: 10/19/2009 Data Release Frequency: Varies	
ROI	ROD: Records Of Decision Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.		
	Date of Government Version: 04/23/2009 Date Data Arrived at EDR: 04/28/2009 Date Made Active in Reports: 05/19/2009 Number of Days to Update: 21	Source: EPA Telephone: 703-416-0223 Last EDR Contact: 07/31/2009 Next Scheduled EDR Contact: 09/28/2009 Data Release Frequency: Annually	
UMTRA: Uranium Mill Tailings Sites Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.			
	Date of Government Version: 01/05/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 05/08/2009 Number of Days to Update: 1	Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 06/15/2009 Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Varies	
MINES: Mines Master Index File Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.			
	Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 03/24/2009 Date Made Active in Reports: 05/05/2009 Number of Days to Update: 42	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 06/23/2009 Next Scheduled EDR Contact: 09/21/2009 Data Release Frequency: Semi-Annually	
TRIS: Toxic Chemical Release Inventory System Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.			
	Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 04/09/2009 Date Made Active in Reports: 06/17/2009 Number of Days to Update: 69	Source: EPA Telephone: 202-566-0250 Last EDR Contact: 06/16/2009 Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Annually	
TSCA: Toxic Substances Control Act Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.			
	Date of Government Version: 12/31/2002	Source: EPA	

Date of Government Version: 12/31/2002 Date Data Arrived at EDR: 04/14/2006 Date Made Active in Reports: 05/30/2006 Number of Days to Update: 46 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 07/14/2009 Next Scheduled EDR Contact: 10/12/2009 Data Release Frequency: Every 4 Years

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 06/15/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/14/2009
	Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 06/15/2009
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/14/2009
· ·	Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2007 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007 Number of Days to Update: 40 Source: Environmental Protection Agency Telephone: 202-564-2501 Last EDR Contact: 12/17/2008 Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

### SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 03/14/2008 Date Made Active in Reports: 04/18/2008 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 07/14/2009 Next Scheduled EDR Contact: 10/12/2009 Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

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

Date of Government Version: 03/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/20/2009	Telephone: 202-564-5088
Date Made Active in Reports: 05/05/2009	Last EDR Contact: 07/13/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/12/2009
	Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

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

Date of Government Version: 02/26/2009	Source: EPA
Date Data Arrived at EDR: 05/20/2009	Telephone: 202-566-0500
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 08/05/2009
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/02/2009
	Data Release Frequency: Annually

### MLTS: Material Licensing Tracking System

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

Date of Government Version: 04/02/2009	S
Date Data Arrived at EDR: 04/24/2009	Т
Date Made Active in Reports: 05/19/2009	L
Number of Days to Update: 25	N

Source: Nuclear Regulatory Commission Telephone: 301-415-7169 Last EDR Contact: 06/29/2009 Next Scheduled EDR Contact: 09/28/2009 Data Release Frequency: Quarterly

### RADINFO: Radiation Information Database

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

Date of Government Version: 04/28/2009	
Date Data Arrived at EDR: 04/29/2009	
Date Made Active in Reports: 05/11/2009	
Number of Days to Update: 12	

Source: Environmental Protection Agency Telephone: 202-343-9775 Last EDR Contact: 07/28/2009 Next Scheduled EDR Contact: 10/26/2009 Data Release Frequency: Quarterly

### FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 04/28/2009
Date Data Arrived at EDR: 05/01/2009
Date Made Active in Reports: 05/19/2009
Number of Days to Update: 18

Source: EPA Telephone: (214) 665-2200 Last EDR Contact: 06/29/2009 Next Scheduled EDR Contact: 09/28/2009 Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995 Number of Days to Update: 35 Source: EPA Telephone: 202-564-4104 Last EDR Contact: 06/02/2008 Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 05/22/2009 Number of Days to Update: 92

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 06/08/2009 Next Scheduled EDR Contact: 09/07/2009 Data Release Frequency: Biennially

### DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facility locations. The listing may contain facilities that are no longer there, or under different management.

Date of Government Version: 12/31/2008	
Date Data Arrived at EDR: 01/21/2009	
Date Made Active in Reports: 04/15/2009	
Number of Days to Update: 84	

Source: Environment Department Telephone: 505-222-9507 Last EDR Contact: 07/20/2009 Next Scheduled EDR Contact: 10/19/2009 Data Release Frequency: No Update Planned

NPDES: List of Discharge Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

Date of Government Version: 01/27/2009 Date Data Arrived at EDR: 05/13/2009 Date Made Active in Reports: 06/05/2009 Number of Days to Update: 23 Source: Environment Department Telephone: 505-827-2918 Last EDR Contact: 08/14/2009 Next Scheduled EDR Contact: 11/09/2009 Data Release Frequency: Semi-Annually

### ASBESTOS: List of Asbestos Demolition and Renovations Jobs

Asbestos is a common fibrous rock found worldwide which has been used in various products for over 4500 years. It has been used in over 3000 different products such as textiles, paper, ropes, wicks, stoves, filters, floor tiles, roofing shingles, clutch facings, water pipe, cements, fillers, felt, fireproof clothing, gaskets, battery boxes, clapboard, wallboard, fire doors, fire curtains, insulation, brake linings, etc.

Date of Government Version: 04/01/2007	Source: New Mexico Environment Department
Date Data Arrived at EDR: 05/09/2007	Telephone: 505-827-1494
Date Made Active in Reports: 05/30/2007	Last EDR Contact: 08/17/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/16/2009
	Data Release Frequency: Varies

### INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 34 Source: USGS Telephone: 202-208-3710 Last EDR Contact: 05/08/2009 Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 04/13/2009 Date Data Arrived at EDR: 04/14/2009 Date Made Active in Reports: 06/17/2009 Number of Days to Update: 64 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 09/08/2009 Next Scheduled EDR Contact: 11/09/2009 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007 Number of Days to Update: 339 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 05/08/2009 Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 01/01/2008 Date Data Arrived at EDR: 02/18/2009 Date Made Active in Reports: 05/29/2009 Number of Days to Update: 100 Source: Environmental Protection Agency Telephone: 202-566-0517 Last EDR Contact: 08/21/2009 Next Scheduled EDR Contact: 11/16/2009 Data Release Frequency: Varies

### EDR PROPRIETARY RECORDS

#### EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

### 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.

#### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/22/2009 Date Data Arrived at EDR: 05/27/2009 Date Made Active in Reports: 07/01/2009 Number of Days to Update: 35 Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 08/27/2009 Next Scheduled EDR Contact: 11/23/2009 Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 07/17/2009 Date Made Active in Reports: 08/10/2009 Number of Days to Update: 24

Source: Department of Natural Resources Telephone: N/A Last EDR Contact: 07/06/2009 Next Scheduled EDR Contact: 10/05/2009 Data Release Frequency: Annually

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

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals. Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

**Private Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States. Daycare Centers: Licensed Child Day Care Providers

Source: Office of Child Development

Telephone: 505-827-7946

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.

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

### STREET AND ADDRESS INFORMATION

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# **GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM**

### TARGET PROPERTY ADDRESS

CASA GRANDE 2500 CENTRAL AVENUE ALBUQUERQUE, NM 87104

## TARGET PROPERTY COORDINATES

Latitude (North):	35.09470 - 35° 5' 40.9"
Longitude (West):	106.6767 - 106° 40' 36.1"
Universal Tranverse Mercator:	Zone 13
UTM X (Meters):	347163.8
UTM Y (Meters):	3884633.0
Elevation:	4953 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	35106-A6 ALBUQUERQUE WEST, NM
Most Recent Revision:	1990

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

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

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

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

### **GROUNDWATER FLOW DIRECTION INFORMATION**

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

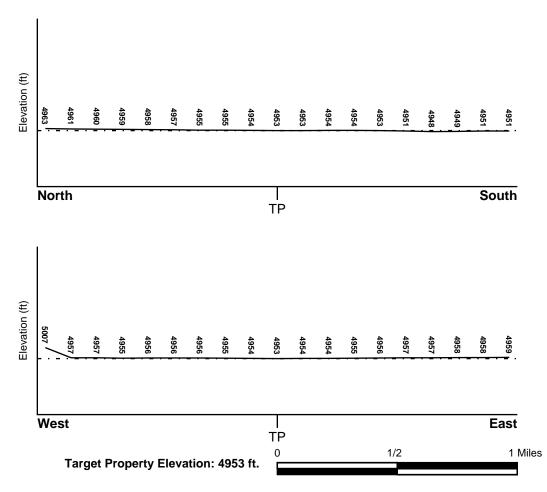
### **TOPOGRAPHIC INFORMATION**

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

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## HYDROLOGIC INFORMATION

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

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

#### FEMA FLOOD ZONE

Target Property County BERNALILLO, NM	FEMA Flood <u>Electronic Data</u> Not Available
Flood Plain Panel at Target Property:	Not Reported
Additional Panels in search area:	Not Reported
NATIONAL WETLAND INVENTORY	NWI Electronic
NWI Quad at Target Property ALBUQUERQUE WEST	Data Coverage Not Available

### HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data\*:

Search Radius:	•	1.25 miles
Status:		Not found

### **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

MAP ID Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

## **GROUNDWATER FLOW VELOCITY INFORMATION**

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

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

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

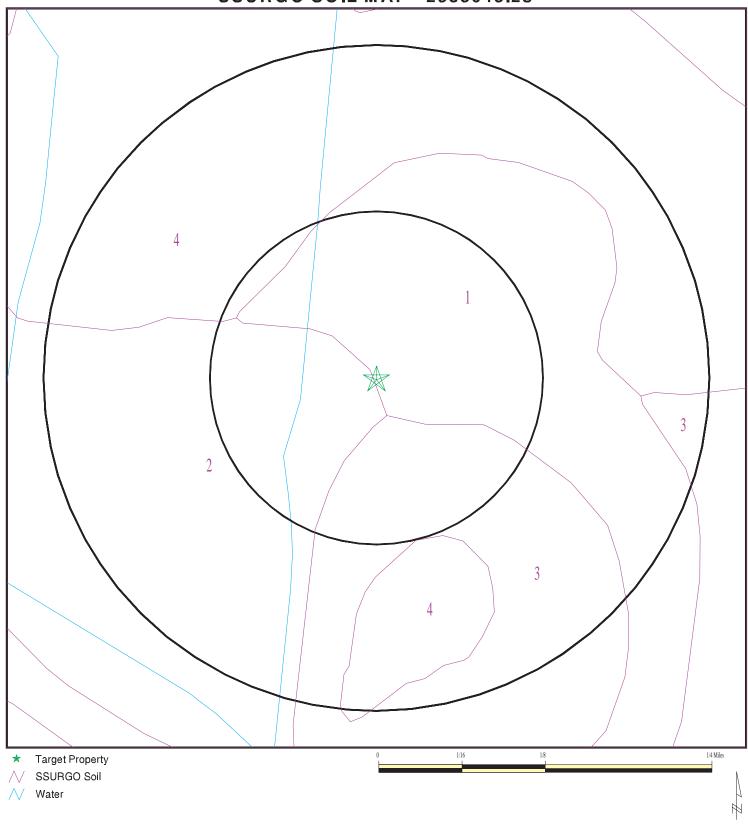
#### **ROCK STRATIGRAPHIC UNIT**

### **GEOLOGIC AGE IDENTIFICATION**

Era:	Cenozoic	Category:	Continental Deposits
System:	Tertiary		
Series:	Pliocene		
Code:	Tpc (decoded above as Era, System & S	Series)	

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

SSURGO SOIL MAP - 2585045.2s



SITE NAME:	Casa Grande 2500 Central Avenue
ADDRESS:	2500 Central Avenue
	Albuquerque NM 87104
LAT/LONG:	35.0947 / 106.6767

INQUIRY #:	Eileen Romesser		
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## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1	
Soil Component Name:	Brazito
Soil Surface Texture:	fine sandy loam
Hydrologic Group:	Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.
Soil Drainage Class:	Poorly drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	5 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 7.4
2	5 inches	59 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 7.4

Soil Map ID: 2	
Soil Component Name:	Brazito
Soil Surface Texture:	silty clay loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

	Soil Layer Information						
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	11 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 141.14	Max: 7.8 Min: 7.4
2	11 inches	59 inches	fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 141.14	Max: 7.8 Min: 7.4

Soil Map ID: 3	
Soil Component Name:	Brazito
Soil Surface Texture:	silty clay loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 92 inches

Soil Layer Information								
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity	Soil Reaction (pH)	
1	0 inches	9 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 141.14	Max: 7.8 Min: 7.4	
2	9 inches	59 inches	fine sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 141.14	Max: 7.8 Min: 7.4	

Soil Map ID: 4	
Soil Component Name:	Agua
Soil Surface Texture:	silty clay loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Partially hydric	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information								
	Βοι	indary		Classi	fication	Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)		
1	0 inches	9 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 7.9		

	1		Soil Layer Information								
Layer	Boundary			Classification		Saturated hydraulic					
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)				
2	9 inches	24 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 7.9				
3	24 inches	59 inches	stratified sand to gravelly sand to fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 7.9				

## LOCAL / REGIONAL WATER AGENCY RECORDS

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

## WELL SEARCH DISTANCE INFORMATION

	3)
Federal USGS1.000Federal FRDS PWSNearest PWS within 1 mileState Database1.000	

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
30	USGS2983992	1/2 - 1 Mile NNW

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
23	NM3510701	1/2 - 1 Mile NW

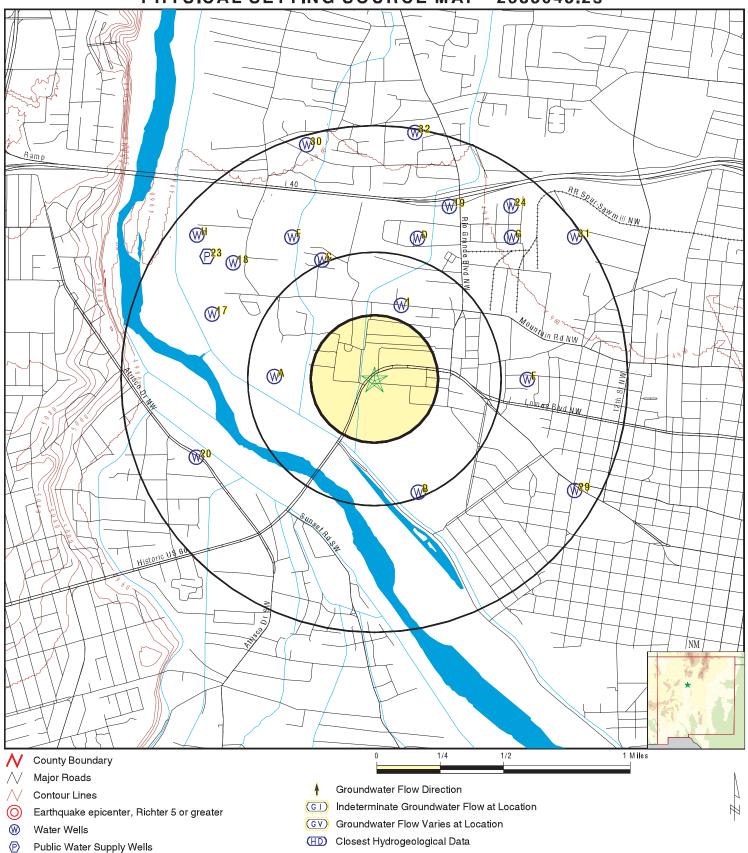
Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NM100000095973	1/4 - 1/2 Mi
A2	NM100000096330	1/4 - 1/2 Mi
A3	NM100000077786	1/4 - 1/2 Mi
B4	NM100000077592	1/4 - 1/2 Mi
B5	NM100000077591	1/4 - 1/2 Mi
C6	NM100000096870	1/2 - 1 Mile
C7	NM100000095995	1/2 - 1 Mile
D8	NM100000086208	1/2 - 1 Mile
D9	NM100000091064	1/2 - 1 Mile
D10	NM100000074363	1/2 - 1 Mile
E11	NM100000097599	1/2 - 1 Mile
E12	NM100000096669	1/2 - 1 Mile
E13	NM100000096070	1/2 - 1 Mile
F14	NM100000074542	1/2 - 1 Mile
F15	NM100000074258	1/2 - 1 Mile
F16	NM100000088459	1/2 - 1 Mile
17	NM100000099325	1/2 - 1 Mile
18	NM100000091433	1/2 - 1 Mile
19	NM100000089071	1/2 - 1 Mile
20	NM100000085149	1/2 - 1 Mile
G21	NM100000081883	1/2 - 1 Mile
G22	NM100000081882	1/2 - 1 Mile
24	NM100000090252	1/2 - 1 Mile
H25	NM100000089711	1/2 - 1 Mile
H26	NM100000089709	1/2 - 1 Mile
H27	NM100000089710	1/2 - 1 Mile
H28	NM100000089707	1/2 - 1 Mile
29	NM100000094026	1/2 - 1 Mile
31	NM100000083772	1/2 - 1 Mile
32	NM100000095998	1/2 - 1 Mile

I.C			
/4	-	1	/2 Mile NNE
/4	-	1	/2 Mile West
/4	-	1	/2 Mile West
/4	-	1	/2 Mile SSE
/4	-	1	/2 Mile SSE
/2	-	1	Mile NNW
/2	-	1	Mile NNW
/2	-	1	Mile NNE
			Mile NNE
/2	-	1	Mile NNE
/2	-	1	Mile East
			Mile East
/2	-	1	Mile East
			Mile NNW
			Mile NNW
/2	-	1	Mile NNW
			Mile WNW
			Mile NW
			Mile NNE
			Mile WSW
/2	-	1	Mile NE
			Mile NE
			Mile NE
/2	-	1	Mile NW
			Mile NW
/2	-	1	Mile NW
			Mile NW
/2	-	1	Mile ESE
/2	-	1	Mile NE
/2	-	1	Mile North

**PHYSICAL SETTING SOURCE MAP - 2585045.2s** 



•

Cluster of Multiple Icons

Oil, gas or related wells

ADDRESS: 2500 Central Avenue Albuquerque NM 87104	CLIENT: Intera Inc. CONTACT: Eileen Romesser INQUIRY #: 2585045.2s DATE: September 08, 2009 5:35 pm
--	--

Distance				
Elevation			Database	EDR ID Numbe
1 NNE 1/4 - 1/2 Mile Higher			NM WELLS	NM100000095973
Objectid:	105849	ld:	175463	
X coord:	347346	Y coord:	3885295	
Db file nb:	RG 77088			
Use:	72-12-1 DOMESTIC ON			
Diversion:	3	Pod rec nb:	175463	
Well numbe:	RG 77088	Tws:	Not Reported	
Rng:	Not Reported	Sec:	0	
Q: Q3:	0 Not Reported	Q2: Zone:	0 C	
α3. Χ:	373100	Y:	1491500	
Easting:	0	Northing:	0	
Start date:	õ	Finish dat:	0	
Depth well:	50	Depth wate:	0	
-				
∖2 Vest ∣/4 - 1/2 Mile Iigher			NM WELLS	NM10000009633
Objectid:	13048	ld:	177207	
X coord:	346532	Y coord:	3884857	
Db file nb:	RG 77537			
Use:	72-12-1 LIVESTOCK W			
Diversion:	3	Pod rec nb:	177207	
Well numbe:	RG 77537	Tws:	10N	
Rng:	02E	Sec:	13	
Q:	0	Q2:	0	
Q3:	Not Reported	Zone:	C	
X:	369600	Y:	1492300	
Easting:	346581	Northing: Finish dat:	3884653	
Start date: Depth well:	0 0	Depth wate:	0 0	
	0	Depiir wate.		
A3 Vest /4 - 1/2 Mile ligher			NM WELLS	NM10000007778
Objectid:	4819	ld:	46994	
X coord:	346532	Y coord:	3884857	
Db file nb:	RG 31716 X			
Use:	72-12-1 DOMESTIC ON	NE HOUSEHOLD		
Diversion:	3	Pod rec nb:	46994	
Well numbe:	RG 31716 X	Tws:	10N	
Rng:	02E	Sec:	13	
Q:	0	Q2:	0	
Q3:	0	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	346581	Northing:	3884653	
	40000444	Einiste state	40000444	
Start date: Depth well:	19890411 33	Finish dat: Depth wate:	19890411 0	

Map ID Direction				
Distance Elevation			Database	EDR ID Number
B4 SSE 1/4 - 1/2 Mile Higher			NM WELLS	NM100000077592
Objectid: X coord: Db file nb: Use:	4722 347434 RG 31043 IRRIGATION	ld: Y coord:	7681 3884107	
Diversion: Well numbe: Rng:	506.3 RG 31043 S 03E	Pod rec nb: Tws: Sec: O2:	7681 10N 18	
Q:	3	Q2:	3	
Q3:	3	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	347483	Northing:	3883903	
Start date:	0	Finish dat:	19460227	
Depth well:	100	Depth wate:	6	
B5 SSE 1/4 - 1/2 Mile Higher			NM WELLS	NM100000077591
Objectid:	4721	ld:	22893	
X coord:	347434	Y coord:	3884107	
Db file nb: Use:	RG 31043 IRRIGATION			
Diversion:	506.3	Pod rec nb:	22893	
Well numbe:	RG 31043 -S (CLW)	Tws:	10N	
Rng:	03E	Sec:	18	
Q:	3	Q2:	3	
Q3:	3	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	347483	Northing:	3883903	
Start date:	19820507	Finish dat:	19820525	
Depth well:	330	Depth wate:	10	
C6 NNW 1/2 - 1 Mile			NM WELLS	NM100000096870
Higher Objectid:	106459	ld:	179605	
X coord: Db file nb: Use:	346893 RG 78225 72-12-1 DOMESTIC ONE I	Y coord: HOUSEHOLD	3885606	
Diversion:	3	Pod rec nb:	179605	
Well numbe:	RG 78225	Tws:	Not Reported	
Rng:	Not Reported	Sec:	0	
Q:	0	Q2:	0	
Q3:	Not Reported	Zone:	C	
X:	371600	Y:	1492500	
Easting:	0	Northing:	0	
Start date:	0	Finish dat:	0	
Depth well:	26	Depth wate:	0	

Map ID Direction				
Distance Elevation			Database	EDR ID Number
C7 NNW 1/2 - 1 Mile Higher			NM WELLS	NM100000095995
Objectid: X coord: Db file nb: Use:	105869 346801 RG 77113 72-12-1 DOMESTIC OI	ld: Y coord: NE HOUSEHOLD	175570 3885577	
Diversion: Well numbe: Rng:	3 RG 77113 Not Reported	Pod rec nb: Tws: Sec:	175570 Not Reported 0	
Q: Q3: X:	0 Not Reported 371300	Q2: Zone: Y:	0 C 1492400	
Easting: Start date: Depth well:	0 0 150	Northing: Finish dat: Depth wate:	0 0 0	
D8 NNE 1/2 - 1 Mile Higher			NM WELLS	NM100000086208
Objectid: X coord: Db file nb:	100119 347443 RG 59181	ld: Y coord:	51182 3885721	
Use:	72-12-1 DOMESTIC Of	NE HOUSEHOLD		
Diversion: Well numbe: Rng:	3 RG 59181 Not Reported	Pod rec nb: Tws: Sec:	51182 Not Reported 0	
Q: Q3: X:	0 Not Reported 373400	Q2: Zone: Y:	0 C 1492900	
Easting: Start date: Depth well:	0 0 38	Northing: Finish dat: Depth wate:	0 19940330 17	
D9 NNE 1/2 - 1 Mile Higher			NM WELLS	NM100000091064
Objectid: X coord: Db file nb:	11194 347462 RG 68773	ld: Y coord:	139875 3885718	
Use: Diversion:	72-12-1 DOMESTIC ON 3	Pod rec nb:	139875	
Well numbe: Rng: Q:	RG 68773 03E 3	Tws: Sec: Q2:	10N 7 3	
Q3: X: Easting:	3 Not Reported 347511	Zone: Y: Northing:	Not Reported Not Reported 3885514	
Start date: Depth well:	19980608 38	Finish dat: Depth wate:	19980608 19	

Map ID Direction				
Distance Elevation			Database	EDR ID Number
D10 NNE 1/2 - 1 Mile Higher			NM WELLS	NM100000074363
Objectid: X coord: Db file nb: Use:	2651 347462 RG 11514 72-12-1 DOMESTIC OI	Id: Y coord:	29591 3885718	
Diversion: Well numbe:	3 RG 11514	Pod rec nb: Tws:	29591 10N	
Rng: Q: Q3: X:	03E 3 3 Not Reported	Sec: Q2: Zone: Y:	7 3 Not Reported Not Reported	
Easting: Start date: Depth well:	347511 19930917 50	Northing: Finish dat: Depth wate:	3885514 19930917 20	
E11 East 1/2 - 1 Mile Higher			NM WELLS	NM100000097599
Objectid: X coord: Db file nb:	13427 348138 RG 79190	ld: Y coord:	184806 3884811	
Use: Diversion: Well numbe:	72-12-1 DOMESTIC OI 3 RG 79190	Pod rec nb: Tws:	184806 10N	
Rng: Q: Q3:	03E 0 Not Reported	Sec: Q2: Zone:	18 0 C	
X: Easting: Start date:	376300 348187 0 0	Y: Northing: Finish dat:	1487750 3884607 0 0	
Depth well:	0	Depth wate:	0	
E12 East 1/2 - 1 Mile Higher			NM WELLS	NM100000096669
Objectid: X coord: Db file nb:	13151 348138 RG 77973	ld: Y coord:	178684 3884811	
Use: Diversion: Well numbe:	72-12-1 DOMESTIC OI 3 RG 77973	Pod rec nb: Tws:	178684 10N	
Rng: Q: Q3: X:	03E 0 Not Reported 275600	Sec: Q2: Zone: Y:	18 0 C 1487550	
x: Easting: Start date: Depth well:	375600 348187 0 0	Northing: Finish dat:	1487550 3884607 0 0	
	U	Depth wate:	0	

Map ID Direction Distance				
Elevation			Database	EDR ID Number
E13 East 1/2 - 1 Mile Higher			NM WELLS	NM100000096070
Objectid: X coord: Db file nb: Use:	12975 348138 RG 77210 72-12-1 DOMESTIC OI	ld: Y coord: NE HOUSEHOLD	176234 3884811	
Diversion: Well numbe: Rng: Q:	3 RG 77210 03E 0	Pod rec nb: Tws: Sec: Q2:	176234 10N 18 0	
Q3: X: Easting:	Not Reported 375900 348187	Zone: Y: Northing:	C 1487900 3884607	
Start date: Depth well:	20021031 207	Finish dat: Depth wate:	20021102 25	
F14 NNW 1/2 - 1 Mile Higher			NM WELLS	NM100000074542
Objectid: X coord:	2803 346659	ld: Y coord:	9881 3885740	
Db file nb:	RG 14322			
Use: Diversion:	72-12-1 DOMESTIC OI 3	NE HOUSEHOLD Pod rec nb:	9881	
Well numbe:	RG 14322	Tws:	10N	
Rng:	02E	Sec:	12	
Q:	4	Q2:	3	
Q3:	3	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	346708	Northing:	3885536 19660920	
Start date: Depth well:	19660920 35	Finish dat: Depth wate:	13	
F15 NNW 1/2 - 1 Mile Higher			NM WELLS	NM100000074258
Objectid:	2560	ld:	63850	
X coord:	346659	Y coord:	3885740	
Db file nb:	RG 09328		0000110	
Use:	IRRIGATION			
Diversion:	12.78	Pod rec nb:	63850	
Well numbe:	RG 09328	Tws:	10N	
Rng:	02E	Sec:	12	
Q:	4	Q2:	3	
Q3:	3	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	346708	Northing:	3885536	
Start date:	19630701	Finish dat:	19630710	
Depth well:	53	Depth wate:	14	

Map ID Direction Distance			5	
Elevation			Database	EDR ID Number
F16 NNW 1/2 - 1 Mile Higher			NM WELLS	NM100000088459
Objectid: X coord: Db file nb: Use:	10165 346659 RG 64023 72-12-1 DOMESTIC O	ld: Y coord: NE HOUSEHOLD	45227 3885740	
Diversion: Well numbe: Rng: Q:	3 RG 64023 02E 4	Pod rec nb: Tws: Sec: Q2:	45227 10N 12 3	
Q3: X: Easting: Start date: Depth well:	3 Not Reported 346708 19960315 130	Zone: Y: Northing: Finish dat: Depth wate:	Not Reported Not Reported 3885536 19960318 17	
17 WNW 1/2 - 1 Mile Higher			NM WELLS	NM100000099325
Objectid: X coord: Db file nb: Use:	14592 346144 SD 04583 IRRIGATION	ld: Y coord:	144582 3885260	
Diversion: Well numbe: Rng:	18 SD 04583 02E	Pod rec nb: Tws: Sec:	144582 10N 13	
Q: Q3: X: Easting:	1 Not Reported Not Reported 346193	Q2: Zone: Y: Northing:	0 Not Reported Not Reported 3885056	
Start date: Depth well:	0 0	Finish dat: Depth wate:	0 0	
18 NW 1/2 - 1 Mile Higher			NM WELLS	NM100000091433
Objectid: X coord: Db file nb: Use:	103059 346283 RG 69496 72-12-1 LIVESTOCK V	ld: Y coord: VATERING	142273 3885583	
Diversion: Well numbe: Rng: Q:	3 RG 69496 02E 1	Pod rec nb: Tws: Sec: Q2:	142273 10N 13 2	
Q3: X: Easting: Start date:	1 369600 0 0	Zone: Y: Northing: Finish dat:	C 1492400 0 0	
Depth well:	65	Depth wate:	0	

Map ID Direction				
Distance Elevation			Database	EDR ID Number
19 NNE 1/2 - 1 Mile Higher			NM WELLS	NM100000089071
Objectid: X coord: Db file nb: Use:	10407 347662 RG 65188 72-12-1 SANITARY IN CO	Id: Y coord: ONJUNCTION WITH A COMM	12299 3885918	
Diversion: Well numbe:	3 RG 65188	Pod rec nb: Tws:	12299 10N	
Rng: Q: Q3: X:	03E 3 2 Not Reported	Sec: Q2: Zone: Y:	7 3 Not Reported Not Reported	
Easting: Start date: Depth well:	347711 19960725 262	Northing: Finish dat: Depth wate:	3885714 19960727 100	
20 WSW 1/2 - 1 Mile Higher			NM WELLS	NM100000085149
Objectid: X coord: Db file nb:	8842 346028 RG 56861	ld: Y coord:	30399 3884353	
Use:	72-12-1 DOMESTIC ONE			
Diversion:	3	Pod rec nb:	30399	
Well numbe:	RG 56861 02E	Tws:	10N	
Rng: Q:	3	Sec: Q2:	13 3	
Q3:	2	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	346077	Northing:	3884149	
Start date:	19930501	Finish dat:	19930505	
Depth well:	60	Depth wate:	60	
G21 NE 1/2 - 1 Mile Higher			NM WELLS	NM100000081883
Objectid: X coord: Db file nb:	7084 348053 RG 46411 EXPL	ld: Y coord:	69471 3885715	
Use: Diversion: Well numbe: Rng:	OBSERVATION 0 RG 46411 EXPL 03E	Pod rec nb: Tws: Sec:	69471 10N 7	
Q:	3	Q2:	4	
Q3:	4	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	348102	Northing:	3885511	
Start date:	19861001 65	Finish dat:	19861002 25	
Depth well:	UU	Depth wate:	20	

Map ID Direction Distance				
Elevation			Database	EDR ID Number
G22 NE 1/2 - 1 Mile Higher			NM WELLS	NM100000081882
Objectid: X coord: Db file nb: Use:	7083 348053 RG 46411 EXPLORATION	ld: Y coord:	57896 3885715	
Diversion: Well numbe: Rng: Q: Q3: X: Easting: Start date: Depth well:	0 RG 46411 -EXPL 03E 3 4 Not Reported 348102 19861001 65	Pod rec nb: Tws: Sec: Q2: Zone: Y: Northing: Finish dat: Depth wate:	57896 10N 7 4 Not Reported Not Reported 3885511 19861002 25	
23 NW 1/2 - 1 Mile Higher			FRDS PWS	NM3510701
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYS	Epa region: County:	06 Bernalillo	
Population Served: PWS Source: Pws type:	453000 Groundwater CWS	Pwssvcconn:	137664	
Status: Facility id: Facility name:	Active 2218 ATRISCO # 1	Owner type:	Local_Govt	
Facility type: Treatment objective: Contact name: Original name:	Well other GASTIAN, BARBARA GASTIAN, BARBARA	Treatment process:	fluoridation	
Contact phone: Contact address2: Contact city: Contact zip:	505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293	
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYS	Epa region: County:	06 Bernalillo	
Pws name. Population Served: PWS Source: Pws type:	453000 Groundwater CWS	Pwssvcconn:	137664	
Facility id: Facility id: Facility name:	Active 2219 ATRISCO # 2	Owner type:	Local_Govt	
Facility type: Treatment objective:	Well other	Treatment process:	fluoridation	

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	Pwssvcconn:	137664
Pws type: Status:	CWS Active	Owner type:	Local_Govt
Facility id: Facility name:	2220 ATRISCO # 3		
Facility type: Treatment objective:	Well other	Treatment process:	fluoridation
Contact name: Original name: Contact phone:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278	Contact address1:	PO BOX 1293
Contact address2: Contact city:	Not Reported ALBUQUERQUE		10 000 1293
Contact zip:	87103		
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County:	06 Bernalillo
Population Served: PWS Source:	453000 Groundwater	Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2221	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	ATRISCO # 4 Well other	Treatment process:	fluoridation
Contact name: Original name: Contact phone: Contact address2: Contact city:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE	Contact address1:	PO BOX 1293
Contact zip:	87103		
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County:	06 Bernalillo
Population Served: PWS Source:	453000 Groundwater	Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2222	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	BURTON # 2 Well other	Treatment process:	fluoridation

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name:	ALBUQUERQUE WATER SYS	5	Demaino
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2223		_
Facility name:	BURTON # 3		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA		
Contact phone:	505-857-8278	Contact address1:	PO BOX 1293
Contact address2:	Not Reported		
Contact city:	ALBUQUERQUE		
Contact zip:	87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYS	5	Donnamo
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2224		
Facility name:	CANDELARIA # 1		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA		
Contact phone:	505-857-8278	Contact address1:	PO BOX 1293
Contact address2:	Not Reported		
Contact city:	ALBUQUERQUE		
Contact zip:	87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYS	-	
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2225		
Facility name:	CANDELARIA # 2		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	EM Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2226	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	CANDELARIA # 3 Well other	Treatment process:	fluoridation
Contact name: Original name: Contact phone:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278	Contact address1:	PO BOX 1293
Contact address2: Contact city: Contact zip:	Not Reported ALBUQUERQUE 87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST		407004
Population Served: PWS Source:	453000 Groundwater	Pwssvcconn:	137664
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2227		
Facility name:	CANDELARIA # 4		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA		
Contact phone:	505-857-8278	Contact address1:	PO BOX 1293
Contact address2:	Not Reported		
Contact city: Contact zip:	ALBUQUERQUE 87103		
Contact Zip.	87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST	EM	
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2228 CHARLES WELLS # 1		
Facility name: Facility type:	CHARLES WELLS # 1 Well	Treatment process:	fluoridation
Treatment objective:	other	ricalment process.	nuonualion
	5		

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name:	ALBUQUERQUE WATER SYST		
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2229		
Facility name:	CHARLES WELLS # 2	_	
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA 505-857-8278	Contact address1:	PO BOX 1293
Contact phone: Contact address2:	Not Reported	Contact address 1.	FU BUX 1293
Contact city:	ALBUQUERQUE		
Contact zip:	87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST	EM	
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2230		
Facility name:	CHARLES WELLS # 3	<b>T</b>	floor and all a floor a
Facility type:	Well	Treatment process:	fluoridation
Treatment objective: Contact name:	other GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA		
Contact phone:	505-857-8278	Contact address1:	PO BOX 1293
Contact address2:	Not Reported		10 20/(1200
Contact city:	ALBUQUERQUE		
Contact zip:	87103		
·			
Pwsid:			00
Stata:	NM3510701	Epa region:	06
State:	NM	County:	06 Bernalillo
Pws name:	NM ALBUQUERQUE WATER SYST	County: EM	Bernalillo
Pws name: Population Served:	NM ALBUQUERQUE WATER SYST 453000	County:	
Pws name: Population Served: PWS Source:	NM ALBUQUERQUE WATER SYST 453000 Groundwater	County: EM	Bernalillo
Pws name: Population Served: PWS Source: Pws type:	NM ALBUQUERQUE WATER SYST 453000 Groundwater CWS	County: EM Pwssvcconn:	Bernalillo 137664
Pws name: Population Served: PWS Source: Pws type: Status:	NM ALBUQUERQUE WATER SYST 453000 Groundwater CWS Active	County: EM	Bernalillo
Pws name: Population Served: PWS Source: Pws type: Status: Facility id:	NM ALBUQUERQUE WATER SYST 453000 Groundwater CWS Active 2231	County: EM Pwssvcconn:	Bernalillo 137664
Pws name: Population Served: PWS Source: Pws type: Status: Facility id: Facility name:	NM ALBUQUERQUE WATER SYST 453000 Groundwater CWS Active 2231 CHARLES WELLS # 4	County: TEM Pwssvcconn: Owner type:	Bernalillo 137664 Local_Govt
Pws name: Population Served: PWS Source: Pws type: Status: Facility id:	NM ALBUQUERQUE WATER SYST 453000 Groundwater CWS Active 2231	County: EM Pwssvcconn:	Bernalillo 137664

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name:	ALBUQUERQUE WATER SYST		
Population Served: PWS Source:	453000 Groundwater	Pwssvcconn:	137664
Pws type:	CWS		
Status:	Active	Owner type:	Local Govt
Facility id:	2232		
Facility name:	COLLEGE # 1		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA		
Contact phone:	505-857-8278	Contact address1:	PO BOX 1293
Contact address2:	Not Reported ALBUQUERQUE		
Contact city: Contact zip:	87103		
Oomaal zip.	0/103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST	EM	
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2233		
Facility name: Facility type:	COLLEGE # 2 Well	Treatment process:	fluoridation
Treatment objective:	other	rreatment process.	nuonuation
Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA		
Contact phone:	505-857-8278	Contact address1:	PO BOX 1293
Contact address2:	Not Reported		
Contact city:	ALBUQUERQUE		
Contact zip:	87103		
Duraida	NIM 254 0704		00
Pwsid:	NM3510701 NM	Epa region:	06 Bornolillo
State: Pws name:	ALBUQUERQUE WATER SYST	County: FM	Bernalillo
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	2234		
Facility name:	DON # 1		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other	i i caunoni processi	ndonadion

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	Pwssvcconn:	137664
Pws type: Status:	CWS Active	Owner type:	Local_Govt
Facility id: Facility name: Facility type:	2235 DURANES # 1 Well	Treatment process:	fluoridation
Treatment objective: Contact name: Original name:	other GASTIAN, BARBARA GASTIAN, BARBARA		
Contact phone: Contact address2: Contact city:	505-857-8278 Not Reported ALBUQUERQUE	Contact address1:	PO BOX 1293
Contact zip:	87103		
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County:	06 Bernalillo
Population Served: PWS Source:	453000 Groundwater	Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2236	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	DURANES # 2 Well other	Treatment process:	fluoridation
Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	EM Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2237	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	DURANES # 3 Well other	Treatment process:	fluoridation

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	EM Pwssvcconn:	137664
Pws type: Status:	CWS Active	Owner type:	Local_Govt
Facility id: Facility name: Facility type:	2238 DURANES # 4 Well	Treatment process:	fluoridation
Treatment objective: Contact name:	other GASTIAN, BARBARA		
Original name: Contact phone: Contact address2: Contact city:	GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE	Contact address1:	PO BOX 1293
Contact zip:	87103		
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County: TEM	06 Bernalillo
Population Served: PWS Source:	453000 Groundwater	Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2239	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	DURANES # 5 Well other	Treatment process:	fluoridation
Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	EM Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2240	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	DURANES # 6 Well other	Treatment process:	fluoridation

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	Pwssvcconn:	137664
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id: Facility name:	2241 DURANES # 7		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA	Contact address1.	DO DOV 1202
Contact phone: Contact address2:	505-857-8278	Contact address1:	PO BOX 1293
Contact city:	Not Reported ALBUQUERQUE		
Contact zip:	87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST		
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type: Status:	CWS Active	Owner type:	Local_Govt
Facility id:	2242	Owner type.	LUCAI_GUVI
Facility name:	GRIEGOS # 1		
Facility type:	Well	Treatment process:	fluoridation
Treatment objective:	other		
Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA		
Contact phone:	505-857-8278	Contact address1:	PO BOX 1293
Contact address2:	Not Reported		
Contact city:	ALBUQUERQUE		
Contact zip:	87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST	-	
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS	-	
Status:	Active	Owner type:	Local_Govt
Facility id:	2243		
Facility name:	GRIEGOS # 2 Well	Treatment process:	fluoridation
Facility type:		HEALINEIL DIOCESS.	000000000
Treatment objective:	other		naonaanon

Pwsid:NM3510701Epa region:06State:NMCounty:BernalilloPws name:ALBUQUERQUE WATER SYSTEMPwssvcconn:137664PWS Source:GroundwaterPwssvcconn:137664PWS Source:GroundwaterStatus:Local_GovtPws type:CWSStatus:Local_GovtFacility id:2244Treatment process:fluoridationFacility type:WellTreatment process:fluoridationTreatment objective:otherContact address1:PO BOX 1293Contact phone:S05-857-8278Contact address1:PO BOX 1293Contact differse:NMCounty:BernalilloPwsid:NM3510701Epa region:06State:NMCounty:BernalilloPwsid:NM3510701Epa region:06State:NMCounty:BernalilloPwsid:NM3510701Epa region:06State:NMCounty:BernalilloPws name:ALBUQUERQUE WATER SYSTEMPopulation Served:453000Pws source:GroundwaterPwssvcconn:137664PWS Source:GroundwaterPwssvcconn:137664PWS Source:GroundwaterPwssvcconn:Local_GovtFacility id:2245Status:ActiveOwner type:Local_GovtFacility id:2245Status:Active
Population Served:453000Pwssvcconn:137664PWS Source:Groundwater
Pws type:CWSStatus:ActiveOwner type:Local_GovtFacility id:2244Facility name:GRIEGOS # 3Facility name:GRIEGOS # 3Facility type:WellTreatment process:Facility type:WellTreatment process:fluoridationTreatment objective:otherContact name:GASTIAN, BARBARAOriginal name:GASTIAN, BARBARAContact phone:505-857-8278Contact address1:Contact phone:505-857-8278Contact address1:PO BOX 1293Contact diverss2:Not ReportedContact address1:PO BOX 1293Contact city:ALBUQUERQUECounty:BernalilloPwsid:NM3510701Epa region:06State:NMCounty:BernalilloPwsid:NMCounty:BernalilloPws name:ALBUQUERQUE WATER SYSTEMPopulation Served:453000PWS Source:GroundwaterPws type:CWSPws type:CWSStatus:ActiveStatus:ActiveOwner type:Local_GovtFacility id:2245Status:County:
Facility id:2244Facility name:GRIEGOS # 3Facility type:WellTreatment objective:otherContact name:GASTIAN, BARBARAOriginal name:GASTIAN, BARBARAContact phone:505-857-8278Contact address2:Not ReportedContact city:ALBUQUERQUEContact zip:87103Pwsid:NM3510701Pwsid:NM3510701Pwsid:NMCounty:BernalilloPws name:ALBUQUERQUE WATER SYSTEMPopulation Served:453000PWS Source:GroundwaterPws type:CWSStatus:ActivePws type:CWSStatus:ActivePactality id:2245
Facility type:WellTreatment process:fluoridationTreatment objective:otherContact name:GASTIAN, BARBARAOriginal name:GASTIAN, BARBARAContact phone:505-857-8278Contact address2:Not ReportedContact city:ALBUQUERQUEContact zip:87103Pwsid:NM3510701Pwsid:NM3510701Epa region:06State:NMPopulation Served:453000PWS source:GroundwaterPws type:CWSStatus:ActiveOwner type:Local_GovtFacility id:2245
Original name:GASTIAN, BARBARAContact phone:505-857-8278Contact address1:PO BOX 1293Contact address2:Not ReportedContact address1:PO BOX 1293Contact city:ALBUQUERQUEContact zip:87103Pwsid:NM3510701Epa region:06State:NMCounty:BernalilloPws name:ALBUQUERQUE WATER SYSTEMPopulation Served:453000Pws type:GroundwaterPws type:137664Pws type:CWSStatus:ActiveOwner type:Local_GovtFacility id:2245County
Contact address2:Not ReportedContact city:ALBUQUERQUEContact zip:87103Pwsid:NM3510701Epa region:O6State:NMCounty:BernalilloPws name:ALBUQUERQUE WATER SYSTEMPopulation Served:453000Pwssvcconn:137664PWS Source:GroundwaterPws type:CWSStatus:ActiveOwner type:Local_GovtFacility id:2245
Contact zip:87103Pwsid:NM3510701Epa region:06State:NMCounty:BernalilloPws name:ALBUQUERQUE WATER SYSTEM137664Population Served:453000Pwssvcconn:137664PWS Source:Groundwater137664Pws type:CWSStatus:ActiveOwner type:Status:ActiveOwner type:Local_GovtFacility id:2245Local_Govt
State:NMCounty:BernalilloPws name:ALBUQUERQUE WATER SYSTEMBernalilloPopulation Served:453000Pwssvcconn:137664PWS Source:Groundwater137664Pws type:CWSStatus:ActiveStatus:ActiveOwner type:Local_GovtFacility id:2245CWSCMS
Pws name:ALBUQUERQUE WATER SYSTEMPopulation Served:453000Pwssvcconn:137664PWS Source:GroundwaterPws type:CWSStatus:ActiveOwner type:Local_GovtFacility id:2245
PWS Source:     Groundwater       Pws type:     CWS       Status:     Active       Pacility id:     2245
Pws type:CWSStatus:ActiveOwner type:Facility id:2245
Status:ActiveOwner type:Local_GovtFacility id:2245
Facility id: 2245
•
Facility name: GRIEGOS # 4
Facility type:         Well         Treatment process:         fluoridation
Treatment objective: other
Contact name: GASTIAN, BARBARA Original name: GASTIAN, BARBARA
Contact phone: 505-857-8278 Contact address1: PO BOX 1293
Contact address2: Not Reported
Contact city: ALBUQUERQUE
Contact zip: 87103
Pwsid: NM3510701 Epa region: 06
State: NM County: Bernalillo
Pws name: ALBUQUERQUE WATER SYSTEM Population Served: 453000 Pwssycconp: 137664
Population Served: 453000 Pwssvcconn: 137664
Population Served:453000Pwssvcconn:137664PWS Source:Groundwater
Population Served:453000Pwssvcconn:137664PWS Source:Groundwater
Population Served:453000Pwssvcconn:137664PWS Source:GroundwaterPws type:CWS
Population Served:453000Pwssvcconn:137664PWS Source:GroundwaterPws type:CWSStatus:ActiveOwner type:Local_Govt
Population Served:453000Pwssvcconn:13764PWS Source:GroundwaterPws type:CWSStatus:ActiveOwner type:Local_GovtFacility id:2246

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County:	06 Bernalillo
Population Served: PWS Source:	453000 Groundwater	Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2247	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	LEAVITT # 1 Well other	Treatment process:	fluoridation
Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County:	06 Bernalillo
Population Served: PWS Source:	453000 Groundwater	Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2248	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	LEAVITT # 2 Well other	Treatment process:	fluoridation
Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	EM Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 2249	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	LEAVITT # 3 Well other	Treatment process:	fluoridation

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name:	ALBUQUERQUE WATER SYST	•	Dornamio
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	7508		
Facility name:	BURTON WELLFIELD EAST EF		
Facility type:	Sampling_station disinfection	Treatment process:	gaseous chlorination, post
Treatment objective: Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA		
Contact phone:	505-857-8278	Contact address1:	PO BOX 1293
Contact address2:	Not Reported		
Contact city:	ALBUQUERQUE		
Contact zip:	87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST		
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS Active	Ourportune	
Status: Facility id:	7509	Owner type:	Local_Govt
Facility name:	BURTON WELLFIELD WEST EI	P 10	
Facility type:	Sampling_station	Treatment process:	gaseous chlorination, post
Treatment objective:	disinfection	fredationa processe.	gaooodo omonitation, poor
Contact name:	GASTIAN, BARBARA		
Original name:	GASTIAN, BARBARA		
Contact phone:	505-857-8278	Contact address1:	PO BOX 1293
Contact address2:	Not Reported		
Contact city:	ALBUQUERQUE		
Contact zip:	87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST	-	Dornamio
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	7510		
Facility name:	CHARLES WELLFIELD EP 11	_	
Facility type: Treatment objective:	Sampling_station	Treatment process:	gaseous chlorination, post
	disinfection		

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County: TEM	06 Bernalillo
Population Served: PWS Source: Pws type:	453000 Groundwater CWS	Pwssvcconn:	137664
Status: Facility id: Facility name:	Active 7511 COLLEGE WELLFIELD EP 26	Owner type:	Local_Govt
Facility type: Treatment objective: Contact name:	Sampling_station disinfection GASTIAN, BARBARA	Treatment process:	gaseous chlorination, post
Original name: Contact phone: Contact address2: Contact city:	GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE	Contact address1:	PO BOX 1293
Contact zip:	87103		
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County: FM	06 Bernalillo
Population Served: PWS Source: Pws type:	453000 Groundwater CWS	Pwssvcconn:	137664
Status: Facility id: Facility name:	Active 7512 CORONADO WELLFIELD EP 1	Owner type:	Local_Govt
Facility type: Treatment objective: Contact name:	Sampling_station disinfection GASTIAN, BARBARA	Treatment process:	gaseous chlorination, post
Original name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid:	NM3510701	Epa region:	06
State: Pws name: Population Served: PWS Source:	NM ALBUQUERQUE WATER SYST 453000 Groundwater	County: EM Pwssvcconn:	Bernalillo 137664
Pws type: Status: Facility id:	CWS Active 7513	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	DURANES WELLFIELD EP 15 Sampling_station disinfection	Treatment process:	gaseous chlorination, post

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County: EM	06 Bernalillo
Population Served: PWS Source: Pws type:	453000 Groundwater CWS	Pwssvcconn:	137664
Status: Facility id: Facility name:	Active 7514 GONZALES WELLFIELD EP #2	Owner type:	Local_Govt
Facility type: Treatment objective: Contact name: Original name:	Sampling_station disinfection GASTIAN, BARBARA GASTIAN, BARBARA	Treatment process:	gaseous chlorination, post
Contact phone: Contact address2: Contact city: Contact zip:	505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	EM Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 7515	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	GRIEGOS WELLFIELD EP 4 Sampling_station disinfection	Treatment process:	gaseous chlorination, post
Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source: Pws type:	ALBUQUERQUE WATER SYST 453000 Groundwater CWS	EM Pwssvcconn:	137664
Status: Facility id: Facility name:	Active 7516 LEAVITT WELLFIELD EP 24	Owner type:	Local_Govt
Facility type: Treatment objective:	Sampling_station disinfection	Treatment process:	gaseous chlorination, post

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 7517	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective: Contact name:	LEYENDECKER WELLFIELD E Sampling_station disinfection	P 6 Treatment process:	gaseous chlorination, post
Original name: Contact phone:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278	Contact address1:	PO BOX 1293
Contact address2: Contact city: Contact zip:	Not Reported ALBUQUERQUE 87103		
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 7518	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	LOMAS WELLFIELD #1 SOUTH Sampling_station disinfection	Treatment process:	gaseous chlorination, post
Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	EM Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 7519	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective:	LOMAS WELLFIELD #2 NORTH Sampling_station disinfection	Treatment process:	gaseous chlorination, post

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County: FM	06 Bernalillo
Population Served: PWS Source: Pws type:	453000 Groundwater CWS	Pwssvcconn:	137664
Status: Facility id:	Active 7520 LOVE WELLFIELD EAST EP #1	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective: Contact name: Original name:	Sampling_station disinfection GASTIAN, BARBARA GASTIAN, BARBARA	Z Treatment process:	gaseous chlorination, post
Contact phone: Contact address2: Contact city: Contact zip:	505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source:	ALBUQUERQUE WATER SYST 453000 Groundwater	EM Pwssvcconn:	137664
Pws type: Status: Facility id:	CWS Active 7521	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective: Contact name:	LOVE WELLFIELD WEST EP # Sampling_station disinfection	Treatment process:	gaseous chlorination, post
Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State:	NM3510701 NM	Epa region: County:	06 Bernalillo
Pws name: Population Served: PWS Source: Pws type:	ALBUQUERQUE WATER SYST 453000 Groundwater CWS	EM Pwssvcconn:	137664
Pws type: Status: Facility id: Facility name:	Active 7522 MILES WELLFIELD EP 17	Owner type:	Local_Govt
Facility type: Treatment objective:	Sampling_station disinfection	Treatment process:	gaseous chlorination, post

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid: State: Pws name:	NM3510701 NM ALBUQUERQUE WATER SYST	Epa region: County: EM	06 Bernalillo
Population Served: PWS Source: Pws type:	453000 Groundwater CWS	Pwssvcconn:	137664
Status: Facility id:	Active 7523 PONDEROSA WELLFIELD #1 E	Owner type:	Local_Govt
Facility name: Facility type: Treatment objective: Contact name: Original name:	Sampling_station disinfection GASTIAN, BARBARA GASTIAN, BARBARA	Treatment process:	gaseous chlorination, post
Contact phone: Contact address2: Contact city: Contact zip:	505-857-8278 Not Reported ALBUQUERQUE 87103	Contact address1:	PO BOX 1293
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST 453000	EM Pwssvcconn:	137664
Population Served: PWS Source:	Groundwater	F wssvcconn.	137004
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	7524		
Facility name:	PONDEROSA WELLFIELD #2 E	P 9	
Facility type: Treatment objective:	Sampling_station disinfection	Treatment process:	gaseous chlorination, post
Contact name: Original name: Contact phone: Contact address2:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported	Contact address1:	PO BOX 1293
Contact city:	ALBUQUERQUE		
Contact zip:	87103		
Pwsid:	NM3510701	Epa region:	06
State:	NM	County:	Bernalillo
Pws name:	ALBUQUERQUE WATER SYST	-	
Population Served:	453000	Pwssvcconn:	137664
PWS Source:	Groundwater		
Pws type:	CWS		
Status:	Active	Owner type:	Local_Govt
Facility id:	7525		
Facility name:	RIDGECREST WELLFIELD NO		
Facility type: Treatment objective:	Sampling_station disinfection	Treatment process:	gaseous chlorination, post
I rootmont objective:			

Contact name: Original name: Contact phone: Contact address2: Contact city: Contact zip: PWS ID: Date Initiated: PWS Name:	GASTIAN, BARBARA GASTIAN, BARBARA 505-857-8278 Not Reported ALBUQUERQUE 87103 NM3510701 Not Reported Date Dea ALBUQUERQUE WATER SYST PO BOX 1293 ALBUQUERQUE, NM 87103	Contact address1: ctivated: Not Reported 'EM	PO BOX 1293
Addressee / Facility:	Not Reported		
Facility Latitude: Facility Lati	$\begin{array}{c} 35 \ 3 \ 16.0000\\ 35 \ 3 \ 55.0000\\ 35 \ 4 \ 12.0000\\ 35 \ 4 \ 18.0000\\ 35 \ 5 \ 8.0000\\ 35 \ 5 \ 8.0000\\ 35 \ 5 \ 8.0000\\ 35 \ 5 \ 8.0000\\ 35 \ 5 \ 16.0000\\ 35 \ 6 \ 15.0000\\ 35 \ 6 \ 35.0000\\ 35 \ 6 \ 35.0000\\ 35 \ 8 \ 23.0000\\ 35 \ 8 \ 23.0000\\ 35 \ 8 \ 23.0000\\ 35 \ 10 \ 24.0000\\ 35 \ 10 \ 24.0000\\ 35 \ 10 \ 24.0000\\ 35 \ 10 \ 24.0000\\ 35 \ 10 \ 24.0000\\ 35 \ 4 \ 29.0000\\ 35 \ 4 \ 29.0000\\ 35 \ 4 \ 29.0000\\ 35 \ 5 \ 12.0000\\ 35 \ 5 \ 12.0000\\ 35 \ 5 \ 12.0000\\ 35 \ 5 \ 12.0000\\ 35 \ 5 \ 12.0000\\ 35 \ 5 \ 12.0000\\ 35 \ 5 \ 12.0000\\ 35 \ 5 \ 12.0000\\ 35 \ 5 \ 12.0000\\ 35 \ 5 \ 10 \ 31.0000\\ 25 \ 6 \ 8.0000\\ 35 \ 5 \ 45.0000\\ 35 \ 4 \ 45.0000\\ 35 \ 4 \ 45.0000\\ 35 \ 6 \ 46.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.0000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.000\\ 35 \ 6 \ 48.00\\ 35 \ 48.00\\ 35 \ 6 \ 48.00\\ 35 \ 48.00\ 35 \ 48.00\\ 35 \ 48.00\ 35 \ 48.$	Facility Longitude: Facility Longitude: Facili	106 38 48.0000 106 35 15.0000 106 33 10.0000 106 41 24.0000 106 41 24.0000 106 41 42.0000 106 31 43.0000 105 41 50.0000 105 41 50.0000 106 32 10.0000 106 32 10.0000 106 32 12.0000 106 34 39.0000 106 34 39.0000 106 34 19.0000 106 31 24.0000 106 32 57.0000 106 32 57.0000 106 33 9.0000 106 33 39.0000 106 40 7.0000 106 33 16.0000 106 33 16.0000 106 33 16.0000 106 33 16.0000 106 33 48.0000 106 36 24.0000 106 33 48.0000 106 33 48.0000
Facility Latitude: Facility Latitude: Facility Latitude: Facility Latitude: Facility Latitude: Facility Latitude:	35 7 49.0000 35 8 13.0000 35 8 14.0000 35 8 24.0000 35 4 8.0000 35 5 39.0000	Facility Longitude: Facility Longitude: Facility Longitude: Facility Longitude: Facility Longitude: Facility Longitude:	106 32 35.0000 106 32 41.0000 106 34 7.0000 106 39 2.0000 106 31 10.0000 106 33 30.0000

Facility Latitude:	35 6 46.0000
Facility Latitude:	35 7 44.0000
Facility Latitude:	35 7 53.0000
Facility Latitude:	35 9 35.0000
Facility Latitude:	34 4 44.0000
Facility Latitude:	35 3 58.0000
Facility Latitude:	35 4 21.0000
Facility Latitude:	35 4 39.0000
Facility Latitude:	35 4 45.0000
Facility Latitude:	35 6 6.0000
Facility Latitude:	35 7 12.0000
Facility Latitude:	35 8 52.0000
Facility Latitude:	35 9 33.0000
Facility Latitude:	35 10 0.0000
Facility Latitude:	35 10 12.0000
Facility Latitude:	35 3 1.0000
Facility Latitude:	35 3 12.0000
Facility Latitude:	35 4 24.0000
Facility Latitude:	35 5 12.0000
Facility Latitude:	35 5 53.0000
Facility Latitude:	35 6 28.0000
Facility Latitude:	35 6 40.0000
Facility Latitude:	35 6 53.0000
Facility Latitude:	35 7 11.0000
Facility Latitude:	35 7 41.0000
Facility Latitude:	35 8 3.0000
Facility Latitude:	35 8 5.0000
Facility Latitude:	35 8 21.0000
Facility Latitude:	34 4 28.0000
Facility Latitude:	35 2 48.0000
Facility Latitude:	35 3 16.0000
Facility Latitude:	35 4 5.0000
Facility Latitude:	35 4 25.0000
Facility Latitude:	35 6 2.0000
Facility Latitude:	35 6 41.0000
Facility Latitude:	35 6 57.0000
Facility Latitude:	35 7 52.0000
Facility Latitude:	35 8 15.0000
Facility Latitude:	35 8 16.0000
Facility Latitude:	35 4 20.0000
Facility Latitude:	35 5 14.0000
Facility Latitude:	35 6 42.0000
Facility Latitude:	35 7 29.0000
Facility Latitude:	35 8 5.0000
City Served:	Not Reported
Treatment Class:	Treated

Facility Longitude:	106 44 0.0000
Facility Longitude:	106 33 35.0000
Facility Longitude:	106 32 56.0000
Facility Longitude:	106 43 43.0000
Facility Longitude:	106 43 54.0000
Facility Longitude:	106 37 29.0000
Facility Longitude:	106 36 11.0000
Facility Longitude:	106 35 59.0000
Facility Longitude:	106 33 38.0000
Facility Longitude:	106 41 16.0000
Facility Longitude:	106 32 31.0000
Facility Longitude:	106 32 20.0000
Facility Longitude:	106 31 56.0000
Facility Longitude:	106 43 45.0000
Facility Longitude:	106 33 35.0000
Facility Longitude:	106 38 37.0000
Facility Longitude:	106 43 46.0000
Facility Longitude:	106 32 34.0000
Facility Longitude:	106 32 18.0000
Facility Longitude:	106 31 38.0000
Facility Longitude:	106 41 15.0000
Facility Longitude:	106 34 27.0000
Facility Longitude:	106 40 30.0000
Facility Longitude:	106 40 47.0000
Facility Longitude:	106 36 16.0000
Facility Longitude:	106 35 12.0000
Facility Longitude:	106 40 26.0000
Facility Longitude:	106 31 48.0000
Facility Longitude:	106 44 18.0000
Facility Longitude:	106 43 40.0000
Facility Longitude:	106 39 2.0000
Facility Longitude:	106 32 19.0000
Facility Longitude:	106 37 26.0000
Facility Longitude:	106 33 31.0000
Facility Longitude:	106 40 6.0000
Facility Longitude:	106 41 9.0000
Facility Longitude:	106 34 21.0000
Facility Longitude:	106 34 38.0000
Facility Longitude:	106 33 13.0000
Facility Longitude:	106 33 45.0000
Facility Longitude:	106 41 18.0000
Facility Longitude:	106 42 29.0000
Facility Longitude:	106 34 7.0000
Facility Longitude:	106 35 48.0000
Population:	445000

Violations information not reported.

24 NE 1/2 - 1 Mile Higher

NM WELLS NM100000090252

Objectid:	10867	ld:	20755	
X coord: Db file nb:	348053	Y coord:	3885915	
	RG 67185			
Use:	72-12-1 DOMESTIC ON		20755	
Diversion:	3	Pod rec nb:	20755	
Well numbe:	RG 67185	Tws:	10N	
Rng:	03E	Sec:	7	
Q:	3	Q2:	4	
Q3:	2	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	348102	Northing:	3885711	
Start date:	0	Finish dat:	0	
Depth well:	50	Depth wate:	0	
H25 NW 1/2 - 1 Mile Higher			NM WELLS	NM100000089711
Objectid:	10628	ld:	12158	
X coord:	346056	Y coord:	3885763	
Db file nb:	RG 66258		0000100	
Use: 72-12-1 DOMESTIC ONE HOUSEHOLD				
Diversion:	3	Pod rec nb:	12158	
Well numbe:	RG 66258 X	Tws:	12158 10N	
	02E	Sec:	12	
Rng:				
Q:	3	Q2:	3	
Q3:	4	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	346105	Northing:	3885559	
Start date:	0	Finish dat:	0	
Depth well:	250	Depth wate:	0	
H26 NW 1/2 - 1 Mile			NM WELLS	NM100000089709
Higher				
Objectid:	10628	ld:	12158	
X coord:	346056	Y coord:	3885763	
Db file nb:	RG 66258 DCL			
Use:	72-12-1 DOMESTIC ON	NE HOUSEHOLD		
Diversion:	0	Pod rec nb:	12158	
Well numbe:	RG 66258 X	Tws:	12158 10N	
	02E	Sec:	12	
Rng:				
$\frown$	3	Q2:	3 Nat Danasta d	
Q:		7		
Q3:	4	Zone:	Not Reported	
Q3: X:	4 Not Reported	Y:	Not Reported	
Q3: X: Easting:	4 Not Reported 346105	Y: Northing:	Not Reported 3885559	
Q3: X:	4 Not Reported	Y:	Not Reported	

NM WELLS NM100000089710

	40000		40450			
Objectid: X coord:	10628 346056	ld: Y coord:	12158 3885763			
Db file nb:	RG 66258 X		3003703			
Use:		72-12-1 DOMESTIC ONE HOUSEHOLD				
Diversion:	0	Pod rec nb:	12158			
Well numbe:	RG 66258 X	Tws:	10N			
Rng:	02E	Sec:	12			
Q:	3	Q2:	3			
Q3:	4	Zone:	Not Reported			
X:	Not Reported	Y:	Not Reported			
Easting:	346105	Northing:	3885559			
Start date:	0	Finish dat:	0			
Depth well:	250	Depth wate:	0			
Deptil well.	250	Deptil wate.	0			
H28						
NW 1/2 - 1 Mile Higher			NM WELLS	NM100000089707		
Objectid:	10626	ld:	143738			
X coord:	346056	Y coord:	3885763			
Db file nb:	RG 66258					
Use:	72-12-1 DOMESTIC OF	NE HOUSEHOLD				
Diversion:	3	Pod rec nb:	143738			
Well numbe:	RG 66258	Tws:	10N			
Rng:	02E	Sec:	12			
-		Q2:				
Q:	3		3 Not Departed			
Q3:	4	Zone:	Not Reported			
X:	Not Reported	Y:	Not Reported			
Easting:	346105	Northing:	3885559			
Start date:	19961112	Finish dat:	19961114			
Depth well:	250	Depth wate:	18			
29 ESE			NM WELLS	NM100000094026		
1/2 - 1 Mile Higher						
Objectid:	12335	ld:	159379			
X coord:	348427	Y coord:	3884101			
Db file nb:	RG 74378					
Use:		CONJUNCTION WITH A COMM	MERCIAL USE			
Diversion:	0	Pod rec nb:	159379			
Well numbe:	RG 74378	Tws:	100070 10N			
Rng:	03E	Sec:	18			
	4	Q2:	3			
Q:						
Q3:	4 Not Departed	Zone:	Not Reported			
X:	Not Reported	Y:	Not Reported			
Depth well:	U	Deptn wate:	U			
Easting: Start date: Depth well:	348476 0 0	Northing: Finish dat: Depth wate:	3883897 0 0			

30 NNW 1/2 - 1 Mile Higher

FED USGS USGS2983992

Agency cd:	USGS	Site no:	350629106405101
Site name:	10N.02E.12.412 Duranes 3	Site no.	550029100405101
Latitude:	350629		
Longitude:	1064051	Dec lat:	35.10810114
Dec Ion:	-106.68141523	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec lationg datum:	NAD83	District:	35
State:	35	County:	001
Country:	US	Land net:	NENWSES12 T10N R02E
Location map:	ALBUQUERQUE WEST NM		24000
Altitude:	4962.00	i map scale.	24000
Altitude method:	Interpolated from topograph	ic man	
Altitude accuracy:	Not Reported	io map	
Altitude datum:	National Geodetic Vertical D	atum of 1929	
Hydrologic:		ew Mexico. Area = 3200 sq.mi.	
Topographic:	Valley flat	w Mexico. Area – 5200 Sq.mi.	
	Ground-water other than Sp	ring Date construction:	19530101
Site type:	Not Reported	0	
Date inventoried:	•	Mean greenwich time offse	
Local standard time fla Type of ground water	3	stor or Pappov type	
	Not Reported	ctor of Ranney type	
Aquifer Type:	•		
Aquifer:	SANTA FE FORMATION	Llolo dopthy	1033
Well depth:	950 other covernment (other the	Hole depth:	1022
Source of depth data:		n 05GS)	
Project number:	463526500	Daile flaue data ha sin data.	0000 00 00
Real time data flag:	0	Daily flow data begin date:	
Daily flow data end da		Daily flow data count:	0
Peak flow data begin		Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin da	
Water quality data end		Water quality data count:	0
Ground water data be	•	Ground water data end dat	te: 2000-12-19
Ground water data co	unt: 5		
	Number of Measurements: 5		
Feet be			t below Feet to
Date Surface	Sealevel	Date Surf	face Sealevel
2000-12-19 17.48			
2000-04-07 23.40			
	ons existed that would affect the m	easured water level	
1997-12-29 23.72			
	ons existed that would affect the m	easured water level	
1997-01-23 18.88			
	ons existed that would affect the m	easured water level	
1954-01-01 10.00			
1934-01-01 10.00			
31			
NE			NM WELLS NM100000083772
1/2 - 1 Mile			
Higher			
Objectid:	8174	ld:	64429
X coord:	348454	ia: Y coord:	54429 3885711
Db file nb:	346434 RG 53479		5000711
	NG 334/9		

Objectia:	8174	Id:	64429	
X coord:	348454	Y coord:	3885711	
Db file nb:	RG 53479			
Use:	POLLUTION CONTROL	WELL		
Diversion:	129.1	Pod rec nb:	64429	
Well numbe:	RG 53479	Tws:	10N	
Rng:	03E	Sec:	7	
Q:	4	Q2:	3	
Q3:	4	Zone:	Not Reported	
X:	Not Reported	Y:	Not Reported	
Easting:	348503	Northing:	3885507	
Start date:	0	Finish dat:	0	
Depth well:	0	Depth wate:	0	

Map ID Direction Distance Elevation			Database	EDR ID Number
32 North 1/2 - 1 Mile Higher			NM WELLS	NM100000095998
Objectid:	105872	ld:	175611	
X coord:	347451	Y coord:	3886391	
Db file nb:	RG 77119			
Use:	72-12-1 DOMESTIC ON	NE HOUSEHOLD		
Diversion:	3	Pod rec nb:	175611	
Well numbe:	RG 77119	Tws:	Not Reported	
Rng:	Not Reported	Sec:	0	
Q:	0	Q2:	0	
Q3:	Not Reported	Zone:	С	
X:	373400	Y:	1495100	
Easting:	0	Northing:	0	
Start date:	0	Finish dat:	0	
Depth well:	45	Depth wate:	0	

### AREA RADON INFORMATION

State Database: NM Radon

Radon Test Results

Zip	Total Sites	Pct. < 4 Pci/L	4 < 10 Pci/L	10 < 20 Pci/L	> 20 Pci/L
87104	12	83.3	8.3	8.3	0.0

Federal EPA Radon Zone for BERNALILLO County: 1

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

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

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

Federal Area Radon Information for Zip Code: 87104

Number of sites tested: 11

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	3.655 pCi/L	82%	18%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.300 pCi/L	100%	0%	0%

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 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 2002 and 2005 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

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS) Telephone: 800-672-5559

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

USGS Water Wells: USGS National Water Inventory System (NWIS) This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database Source: Office of the State Engineer Telephone: 505-827-6175

#### **OTHER STATE DATABASE INFORMATION**

Oil and Gas Well Locations Source: New Mexico Institute of Mining and Technology Telephone: 505-835-5142

#### RADON

State Database: NM Radon Source: Environment Department Telephone: 505-827-1093 Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones Source: EPA Telephone: 703-356-4020 Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

#### OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### STREET AND ADDRESS INFORMATION

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# Appendix D

Site Reconnaissance Photographs



No. 1 – View of the northeastern Site building of the North Area, looking southwest from the northeast corner of the North Area.



No. 2 – View of the vacant Casa Grande restaurant of the North Area, looking east from the western property boundary of the North Area.





No. 3 – View of the vacant El Vado Motel, looking west from the eastern property boundary of the South Area.



No. 4 – View of the North Area's eastern adjoining property, view is to the east.





No. 5 – View of the North Area's northern adjoining property beyond Central Avenue, view is to the northeast.



No. 6 – View of the North Area's northern adjoining property beyond Central Avenue, view is to the north.





No. 7 – View of the North Area's northern adjoining property beyond Central Avenue, view is to the north.



No. 8 – View of the North Area's northwestern and South Area's northern adjoining property beyond Central Avenue, view is to the northwest.





No. 9 – View of the North Area's western and South Area's northwestern adjoining property beyond Central Avenue, view is to the west.



No. 10 – View of the North Area's southern adjoining property beyond New York Avenue, view is to the south.





No. 11 – View of the North Area's southeastern and South Area's eastern adjacent property, view is to the south beyond New York Avenue.



No. 12 – View of the South Area's western and southwestern adjoining property, view is to the southwest.





No. 13 – View of the abandoned water well and electrical riser located within the northeast corner of the North Area.



No. 14 – View of the unidentified manhole immediately south of the northern North Area Site building.





No. 15 – View of the concrete pad within the North Area, view is to the east.



No. 16 – View of sewer cleanouts at the North Area.





No. 17 - View of an exterior water heater for one of the rooms at the vacant El Vado Motel.



No. 18 - View of cleanouts within the landscaped area at the South Area.





No. 19 - View of compressed carbon dioxide cylinders inside the vacant Casa Grande restaurant.



No. 20 – View of miscellaneous industrial cleaning supplies located throughout the vacant Casa Grande restaurant.





No. 21 – View of staining at the concrete base of the pad-mounted transformer located at the southern property boundary of the North Area.



No. 22 – View of staining at the concrete base of the pad-mounted transformer and surrounding surficial soils located at the southern property boundary of the North Area.





No. 23 – View of a floor drain in the kitchen area of the vacant Casa Grande restaurant.



No. 24 - View of water damage to the drop ceiling in the vacant Casa Grande restaurant.





No. 25 - View of grease from the leaking fryers on the floor in the vacant Casa Grande restaurant.



No. 26 - View of the debris left in one of the rooms at the vacant El Vado Motel.





No. 27 - View of one of the kitchenettes at the vacant El Vado Motel.



No. 28 - View of water damage to the ceiling at the vacant El Vado Motel.





No. 29 - View of water stains on the wall inside the vacant El Vado Motel.



No. 30 – View of the vaults located inside the pool maintenance room at the vacant El Vado Motel.





No. 31 – View of the vaults located inside the pool maintenance room at the vacant El Vado Motel.



# Appendix E

**Questionnaires and Interview Documentation** 

1	PHASE	I ESA PRE-SITI	EINSPECTION	OUESTIONNA	IDE S
		une de l'anteres en de la deres arres e de la prese.			
:	Environmental Insp	and the second		Project No:	
	* PROJECT/SITE				
		TOSIE SO GON	and the second	·····	
:	Asset #:		Name: CHSH G	verde Restau	
	Project Street Addr		and 2424	CENTRA ACE. SI	er.
	City: Albuau		Boundallo Sta	te: NLM, Zip: 8710	04
	CONTACT INFO				
	Conlact	Name & Af	······	Telephone #	Date
	Client Contact:	steve Conzu	ues (SN)	315-2048	 
	Key Site Mgr.:	· · · · · · · · · · · · · · · · · · ·	C.A. Th		
	Real EST 1	Alba, commer		203-5903	
	Inever D	Mike Man			
	S PROPERTY US	E & SPECIFICATION			
	Single-Family Re	<u> </u>	□ Vacant or Undevel		
	Mulli-Family Res		Agricultural specify	- The second	
	Commercial Offic		Industrial specify h		
	Commercial Reta	il	Other specify type.		6.010)
	Commercial Reta		Other specify type.		(2010) uppied
	Provide a general s FAMIL 8 OMD Sel	iil ite description: Hec sub-duresch tababe bease	Dether specify type. he stravent d fetres (g	CNOT in opened	(2010) uppied
	ECommercial Reta Provide a general s FAMIL 8 OMD Sel Legal description/p	ill ite description: HE Sit-derect tablate bease at plan/boundary survey av	Other specify type. he stravent 2d fetres [ g railable? ] Yes ] N	CNOT in opened	<u></u>
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	Commercial Reta Provide a general s FAMFL+ 8 OMD Self Legal description/p Current Property Size Total Property Size	ill ite description: HE Sit-derect tenale bease at plan/boundary survey av atus: Evacant C i h 19 Acres	Original Construction	CNOT in operation	dette)
	Commercial Reta Provide a general s FAMIL S MD Self Legal description/p Current Property Size Total Property Size Total # of Buildings	ill ite description: HC Sit-deach tatale beach at plan/boundary survey av iatus: 2 Vacant C hJG Acves 2	Other specify type  Construction  Decupied  Original Construction  Was Construction	CNOT i H OMOGA WE WHY COCC No Already provided nproved □ Unimproved Date: 1975-Ccim nased? ◎ Yes □ No	
	Commercial Reta Provide a general s F A M F (- 8 Mb Sef Legal description/p Current Property Size Total Property Size Total # of Buildings Total Sq. Ft. of Build	ill ite description: HE Sit-derect tenale bease at plan/boundary survey av atus: Evacant C i h 19 Acres	□ Other specify type. he Stravent d he test 0 vailable? □ Yes □ N Occupied □ Ir Original Construction Was Construction Pf Dates of Renovation	CNOT in operation	
	Commercial Reta Provide a general s FAMSIA S MSSE Legal description/p Current Property Size Total Property Size Total # of Buildings Total Sq. Ft. of Buil Does site have an	til ite description: $H(c 5) + derecht tababe beacht at plan/boundary survey av atus: 2 \vee acant \square cH = H + c \vee c \leq cdings: 4303 + 1550$	Other specify type. he Stuarent A petre 1 Pailable? Yes N Occupied Ir Original Construction Was Construction Pf Dates of Renovation scre? Yes Privo	CNOT in operation (Not in operation WE Widg COCC No □ Already provided nproved □ Unimproved Date: UTS-Ccim nased? □ Yes □ No s/Phases: Retail Bls	
	Commercial Reta Provide a general s FAMSIA S MSSE Legal description/p Current Property Size Total Property Size Total # of Buildings Total Sq. Ft. of Buil Does site have an	til ite description: H(C = 5 + derech) $Mate = beach at plan/boundary survey av atus: 2 \vee acant = 0h \mid q = Acvesdings: 4303 + 1550undeveloped area > = to 1 aas of water on or immediate$	Other specify type	(Not i H opaia WE WHY (CCC No Already provided nproved □ Unimproved Date: 1975 Ccim nased? ■Yes ■No s/Phases: Retuin Bis □ Yes ENo Ifyes,	d <b>\$K)</b> ⊡Unkno 9. [984
	Commercial Reta Provide a general s F A M FI + 8 M S G Legal description/p Current Property Size Total Property Size Total # of Buildings Total \$ q. Ft. of Build Does site have an in Are there any bodie	til ite description: HC 5.4-derech tatale beach at plan/boundary survey av atus: $\mathbb{Z}$ Vacant $\square \mathbb{C}$ $\mathbb{D}$ $\mathbb{D}$ $\mathbb{Q}$ $\mathbb{A}$ CVeS $\mathbb{Q}$ dings: $\frac{4303 + 1550}{2}$ undeveloped area > = to 1 a as of water on or immediate ce at the site? $\square$ On-si	Other specify type  MeStuavent  Actual  Actua	(Not in opena Ut Unity (CCC No Already provided nproved Unimproved Date: 1975-Ccim nased? Pres No s/Phases: Peta 1 BIS Ves ENO Ifyes, y name Citt	d <b>/(()</b> 1) Unkno 9- 1994 describe:
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	Commercial Reta Provide a general s F A M FI + 8 M S G Legal description/p Current Property Size Total Property Size Total # of Buildings Total \$ q. Ft. of Build Does site have an in Are there any bodie	iii         ite description: $HC$ $5$ - $deeCH$ $Malle$ $beache         impact beache         at plan/boundary survey availatus:         2 vacant         C:         HQ Acves dings: 4303 + 1550         undeveloped area > = to 1 a         es of water on or immediate         ce at the site?       On-si         rge at the site?       Septinte   $	Other specify type. he Stuarent allable? Yes N Accupied In Original Construction Was Construction Was Construction Scre? Yes Allo ly adjacent to site? te well Outlify specific c Tank/Drainfield Output	(Not in opena Ut Unity (CCC No Already provided nproved Unimproved Date: 1975-Ccim nased? Pres No s/Phases: Peta 1 BIS Ves ENO Ifyes, y name Citt	d <b>/(()</b> 1) Unkno 9- 1994 describe:

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2417 B - JAY	Michaels	Building ( 24/12 centrel) 158355 Music, T-shirtes Buildon Step hande Mestacinal 1983-2008
■ PREVIOUS PROPERTY	USES	
Describe previous use(s) of the		
cinele K'	- 1975.	-1993
	·	
		an an an an an Arte and an Arte and a star a
= PREVIOUS INVESTIGAT	IONS	
Have any previous environmen	tal investigations t	een performed at the site?  Yes No Unknown
If Yes, note type and describe:	Phase   ESA	Asbestos Lead Paint Lead In Water
Radon DWetlands	Indoor Air 🛛 🛛	ST/AST Other specify type
TAKES Roma	ved from	L site deploy. 1993
ON-SITE ENVIRONMENT		
		tal conditions, either current or former, on the site?
Environmental Condition/Issue	Response	Notes On Yes Responses
Aboveground Storage Tanks	Yes Yo	
Underground Storage Tanks	CYes PNo	
Hazardous/Toxic Substances	TYes Grio	
Stored Chemicals	Yes DYNo	
Chemical Spills/Releases	C Yes C No	
Dump Areas/Landfills	CYes CN0	
Waste Treatment Systems	Yes GNo	
Wastewater Discharges	Yes Drive	
Air Stacks/Vents/Odors	Yes No	
Indoor Air Quality Complaints	Ves ONO	
Floor Drains/Sumps	Yes No	
Pits, Ponds, Lagoons	Ves Bryo	
Stained Soll/Vegetation Impact	Yes Z No	

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PHASE I ESA PRE-SITE INSPECTION QUESTIONNAIRE PAGE 2 OF 3

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ON-SITE ENVIRONMENTAL CONDITIONS CONTINUED Are you aware of any of the following environmental conditions, either current or former, on the site? Environmental Condition/Issue Rasponse Notes On Yes Responses Pesticide/Herbicide Use ☐ Yes @ No Note: The two "Assens" on the Yes INO **Polychlorinated Biphenyls** Sole conder of nuperty, by **Electrical Transformers** TYes PNo metel: Hydraulic Lifts Yes WNo i) The 2" gAlvave salps pe was an old where well. TYes ONO Elevators Drycleaners TYes BNO Asbestos Yes No 2) The l' histor was all Lead Paint Ves Wo Lead Piping/Lead In Water Yes No iexplosive proof " electional **Elevated Radon Levels** Ves No Risen that was used for old "Ciacle K" sign. It **Fluorescent Light Fixtures** Yes No Yes No. Wetlands/Flooding **Unique Wildlife Species** Yes Yo is not a gas Risch Yes 9 No Archeological Resources Historic/National Landmarks TYes No **Oil/Gas Wells** □Yes Ø No Water Wells Ves QNo Applex 1883-THAKS Nemarch **Environmental Cleanups** Ves ZNO ) civele-K componention **Environmental Permits** Fles Nr. Nr Other specialized knowledge of environmental conditions or issues at the site = ENVIRONMENTAL LIENS Do you have knowledge of any environmental liens recorded against the property? TYes PNo If Yes, Describe: **OFF SITE ENVIRONMENTAL CONCERNS** Drycleaners? [] Yes @No Are you aware of any other environmental conditions or concerns on adjacent or nearby properties? PHASE I ESA PRE-SITE INSPECTION QUESTIONNAIRE PAGE 3 OF 3

PHASE I ESA PR	E-SITE INSPECTIC	ON QUESTIONNAIRE		
Environmental Inspector:		Project No:		
PROJECT/SITE INFORMATION				
Client Name: City of All	manerame			
Asset#: Pr	roject/Site Name: El Vad	o Motel		
Project Street Address: 2500 C	Central Avenue SV	V.		
City: A/Buquerque Co		State: NM Zip: 87/04		
CONTACT INFORMATION				
Contact N	ame & Affiliation	Telephone # Date		
Client Contact: Fick Gin	m, City of Alba.	768.2968		
Key Site Mgr.: Ed Boles	. City of Alba.	924.3342		
		<b>WINNIN AND AND AND AND AND AND AND AND AND AN</b>		
·				
PROPERTY USE & SPECIFIC	CATIONS			
Single-Family Residential	<ul> <li>Vacant or Under</li> </ul>	veloped Land		
Multi-Family Residential # Units	s Agricultural spe	cify type:		
Commercial Office	🗌 Industrial speci	fy type:		
Commercial Retail	Other specify ty	X Other specify type: Motel		
a landscaped auto and, to a lesser exter	court. The mote vt, a side street k	buildings that define I units face this court nown as New York Avenue.		
Legal description/plat plan/boundary	survey available? X Yes	No Already provided		
Current Property Status: XVac	ant 🗌 Occupied	Improved 🗌 Unimproved		
Total Property Size: 1.26 Au	CIPS Original Construct	Original Construction Date: 1937		
Total # of Buildings: 4	Was Construction	Was Construction Phased? X Yes 🗌 No 🗌 Unknown		
Total Sq. Ft. of Buildings: 14,60	Dates of Renovat	Dates of Renovations/Phases:		
Does site have an undeveloped area	u>=to1acre? □Yes 🗶 I	No		
Are there any bodies of water on or i	mmediately adjacent to site?	⊡ Yes XNo If yes, describe:		
Potable water source at the site?	🗌 On-site well 🛛 🗙 Utility spe	ecify name		
Wastewater discharge at the site?	Septic Tank/Drainfield	Sanitary Sewer Other		
Building plans available at the site?	🗌 Yes 🗌 No 📋 Unknown	Already provided		
- OWNERS				
Current Owner(s): Richard	L. Gonzales			
previous Owners: Salama Patrick	nvestments (Shi <sup>‡</sup> Kitty O'Nei	raz Kassam)		

• •

Current Occupant(s)/Tenant(s):		
N.A.		
Previous Occupant(s)/Tenant(s	):	
Multiple own	ers since con	struction.
PREVIOUS PROPERTY	JSES	
Describe previous use(s) of the	site:	
Used as a tourist	+ court/mote	el From 1937- <b>2005</b> .
PREVIOUS INVESTIGAT		
Have any previous environment	tal investigations been per	rformed at the site? 💢 Yes 🗌 No 📋 Unknow
ON-SITE ENVIRONMENT	and the second	
Are you aware of any of the follo	wing environmental cond	litions, either current or former, on the site?
Are you aware of any of the follo Environmental Condition/Issue	owing environmental cond Response	
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks	owing environmental cond Response	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks	owing environmental cond Response C Yes C No C Yes No	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks Hazardous/Toxic Substances	owing environmental cond Response C Yes C No C Yes No Q Yes No	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks Hazardous/Toxic Substances Stored Chemicals	wing environmental cond         Response         Yes       No	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks Hazardous/Toxic Substances Stored Chemicals Chemical Spills/Releases	owing environmental cond Response C Yes C No C Yes No Q Yes No Q Yes No C Yes No	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks Hazardous/Toxic Substances Stored Chemicals Chemical Spills/Releases Dump Areas/Landfills	wing environmental cond         Response         Yes       No	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks Hazardous/Toxic Substances Stored Chemicals Chemical Spills/Releases Dump Areas/Landfills Waste Treatment Systems	wing environmental cond         Response         Yes       No	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks Hazardous/Toxic Substances Stored Chemicals Chemical Spills/Releases Dump Areas/Landfills Waste Treatment Systems Wastewater Discharges	wing environmental cond         Response         Yes       No         Yes       No	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks Hazardous/Toxic Substances Stored Chemicals Chemical Spills/Releases Dump Areas/Landfills Waste Treatment Systems Wastewater Discharges Air Stacks/Vents/Odors	wing environmental cond   Response   Yes   Yes   Yes   No   Yes   Yes   No	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks Hazardous/Toxic Substances Stored Chemicals Chemical Spills/Releases Dump Areas/Landfills Waste Treatment Systems Wastewater Discharges Air Stacks/Vents/Odors Indoor Air Quality Complaints	wing environmental cond   Response   Yes   Yes   Yes   No	litions, either current or former, on the site?
Are you aware of any of the folk Environmental Condition/Issue Aboveground Storage Tanks Underground Storage Tanks Hazardous/Toxic Substances Stored Chemicals Chemical Spills/Releases Dump Areas/Landfills Waste Treatment Systems Wastewater Discharges Air Stacks/Vents/Odors	wing environmental cond   Response   Yes   Yes   Yes   No   Yes   Yes   No	litions, either current or former, on the site?

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PHASE I ESA PRE-SITE INSPECTION QUESTIONNAIRE PAGE 2 OF 3

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Environmental Condition/Issue	Response	Notes On Yes Responses
Pesticide/Herbicide Use	□Yes □No	annoven verste en
Polychlorinated Biphenyls	🖸 Yes 🗍 No	
Electrical Transformers	🗇 Yes 🗌 No	
Hydraulic Lifts	🖸 Yes 🖸 No	
Elevators	🗌 Yes 🗌 No	
Drycleaners	🗌 Yes 🔲 No	
Asbestos	XYes No	Aboted in 2007
Lead Paint	🗌 Yes 📋 No	
Lead Piping/Lead In Water	🗍 Yes 📋 No	
Elevated Radon Levels	🗌 Yes 🗌 No	
Fluorescent Light Fixtures	🗌 Yes 🗌 No	
.Wetlands/Flooding	☐ Yes ☐ No	
Unique Wildlife Species	□ Yes □ No	
Archeological Resources	🗌 Yes 🗌 No	
Historic/National Landmarks	XYes 🗆 No	City, State, and National designation
Oil/Gas Wells	Yes No	J
Water Wells	🗍 Yes 🗌 No	
Environmental Cleanups	⊡Yes ⊡No	
Environmental Permits	🖸 Yes 🖸 No	
ENVIRONMENTAL LIEN		ns recorded against the property?
If Yes, Describe:		
If Yes, Describe: OFF SITE ENVIRONMEN		
If Yes, Describe: OFF SITE ENVIRONIMEN On adjoining property are there	any: Gasoline Sl	

PHASE I ESA PRE-SITE INSPECTION QUESTIONNAIRE PAGE 3 OF 3

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Project Name: Casa Grande Phase I ESA Project Number: COA-OCS-02-03 Page 1 of 1

## **INTERVIEW DOCUMENTATION**

 Person Being Interviewed: Mike Martinez

 Affiliation: Albuquerque Commercial Realty

 INTERA Interviewer: Eileen Romesser

 Date: 9/08/2009

 Interview conducted □in writing □by telephone ⊠in person.

## **TOPICS COVERED AND RESPONSES PROVIDED**

### 1. What is the current land use of property?

T-shirt shop, barbershop, and a vacant restaurant

### 2. What is the historic land use of property?

There was a Circle K gasoline station which was closed around 1993.

## **3.** Was any hazardous material or petroleum products stored or disposed of on site?

Yes, it was a Circle K gasoline stations. The tanks were taken out around 1993.

# **4. Knowledge of environmental conditions associated with past or current site uses:** None. The tanks have been removed.

## 5. Knowledge of legal, governmental, or administrative actions taken with regard

to hazardous substances or petroleum products on, in, or from the site: None

### 6. Documents to be provided:

Legal description of property/appraisal and any other environmental reports

### 7. Additional contact(s)/information:

Mike Martinez, 505-298-2811

## **ACTION ITEMS**

## ADDITIONAL NOTES/ACTIVITIES PURSUANT TO INTERVIEW

### Manhole immediately south of the North building

Per M. Martinez: I talked to Steve Gonzales this AM. And he said he was pretty sure it was a cleanout for the sewer.

Project Name: Casa Grande Phase I ESA Project Number: COA-OCS-02-03 Page 1 of 1

## **INTERVIEW DOCUMENTATION**

Person Being Interviewed: Ed Boles Affiliation: City of Albuquerque INTERA Interviewer: Eileen Romesser Date: 9/8/2009 Interview conducted □in writing □by telephone ⊠in person.

### **TOPICS COVERED AND RESPONSES PROVIDED**

## 1. What is the current land use of property?

Vacant El Vado Motel. Closed in 2005

### 2. What is the historic land use of property?

El Vado Motel since around 1936.

**3.** Was any hazardous material or petroleum products stored or disposed of on site?

Maybe, remembers seeing an aerial photograph where it appeared that there was a gas pump on the property.

**4. Knowledge of environmental conditions associated with past or current site uses:** None.

5. Knowledge of legal, governmental, or administrative actions taken with regard to hazardous substances or petroleum products on, in, or from the site:

None

### 6. Documents to be provided:

Legal description of property, completed questionnaire, asbestos and mold report.

### 7. Additional contact(s)/information:

Ed Boles, 505-924-3342

### **ACTION ITEMS**

## ADDITIONAL NOTES/ACTIVITIES PURSUANT TO INTERVIEW

### **Owner Information**

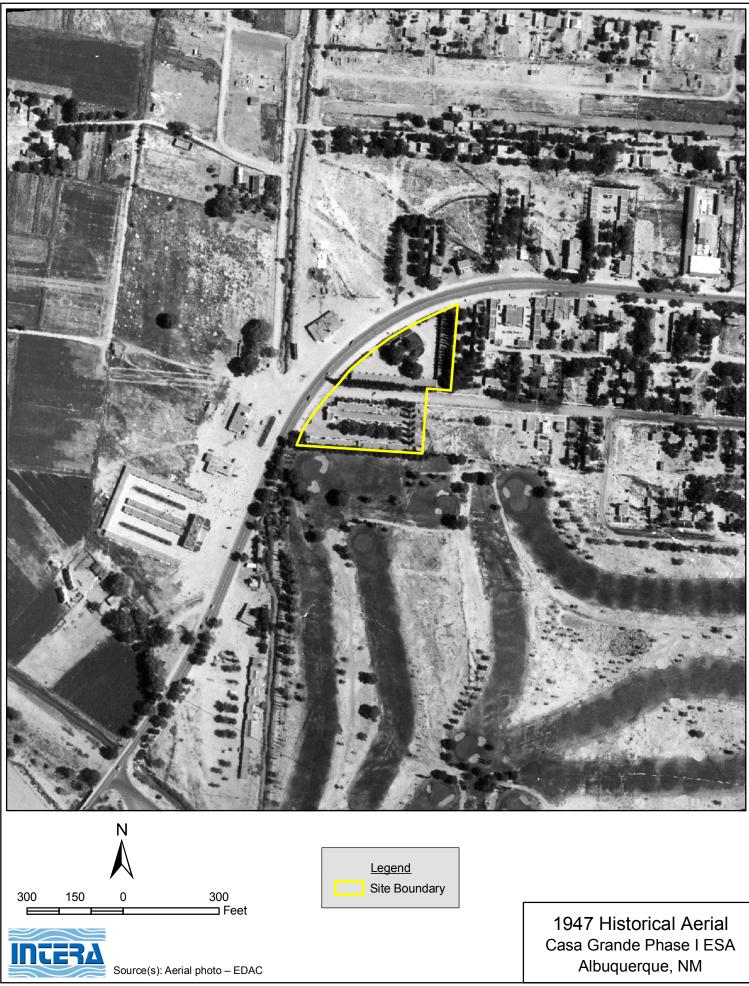
The City has permanent order of entry, which is permanent possession. The City will obtain title ownership to the property at the time just compensation for the property is determined and paid to Mr. Gonzales. Mr. Gonzales is still the legal owner of the property. If you want to communicate with the legal owner of the property, please contact his attorney, Tim Flynn-O'Brien. However, Mr. Gonzales purchased the place in 2005 and may not have much useful information.

## Appendix F

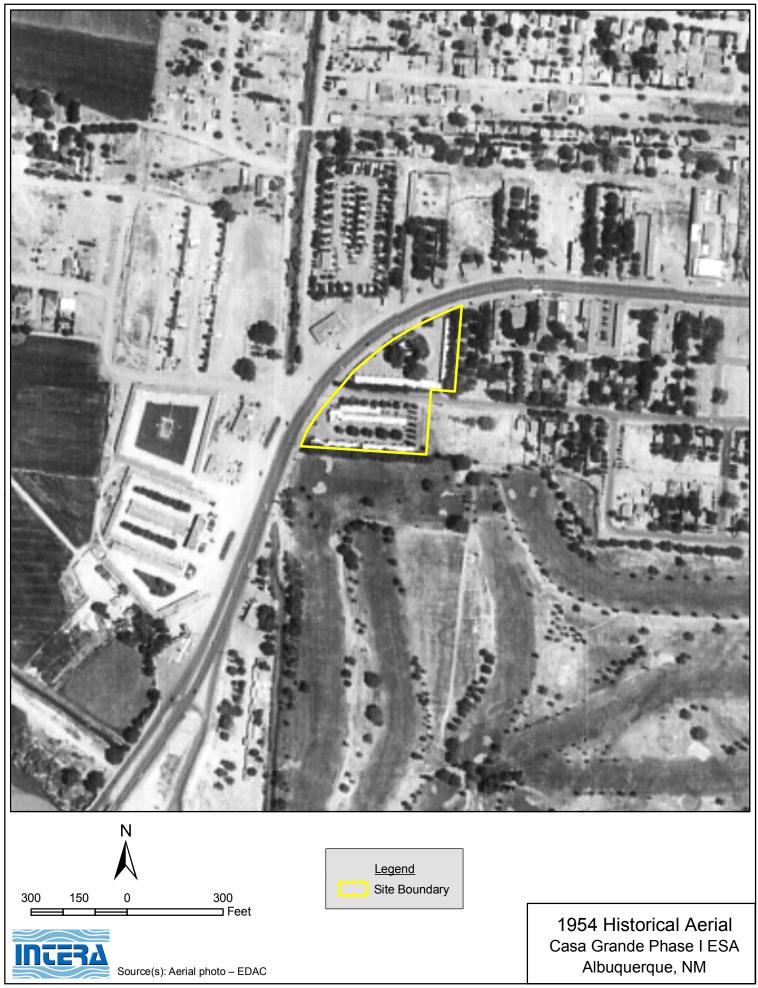
Historical Aerial Photographs/Historical Topographic Maps/Sanborn<sup>®</sup> Fire Insurance Map No Coverage Report



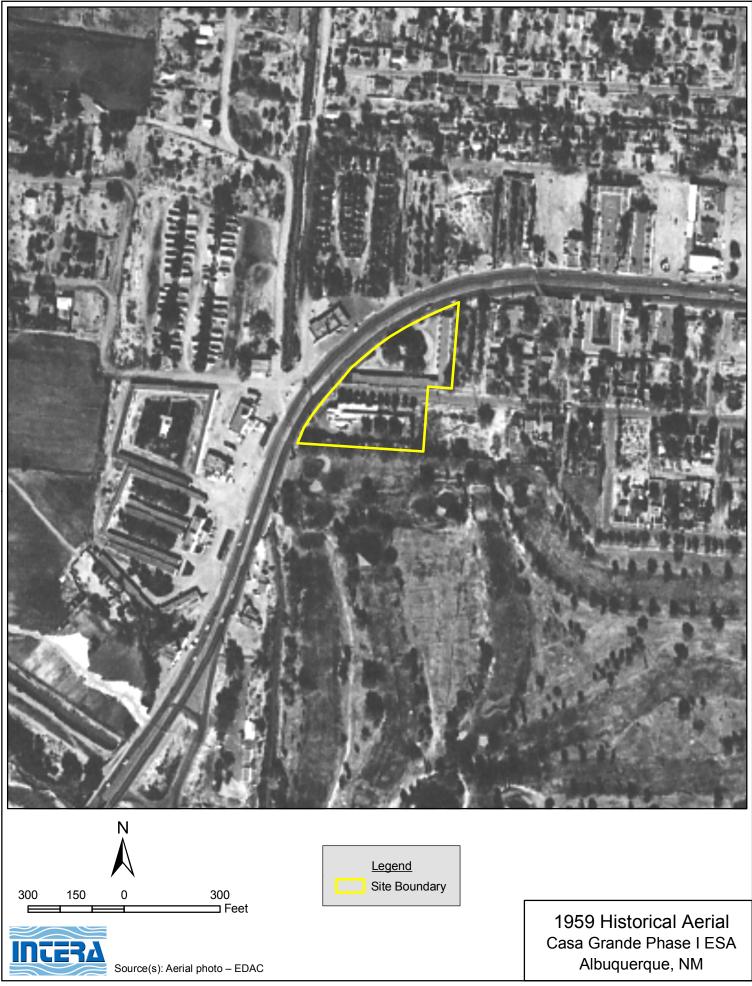
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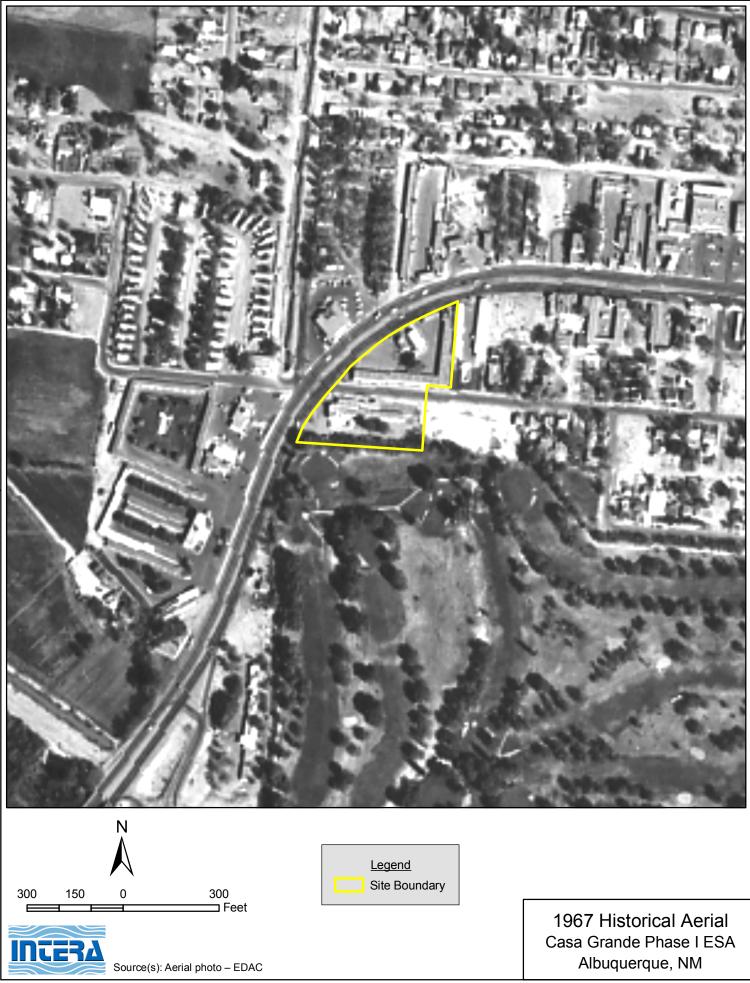
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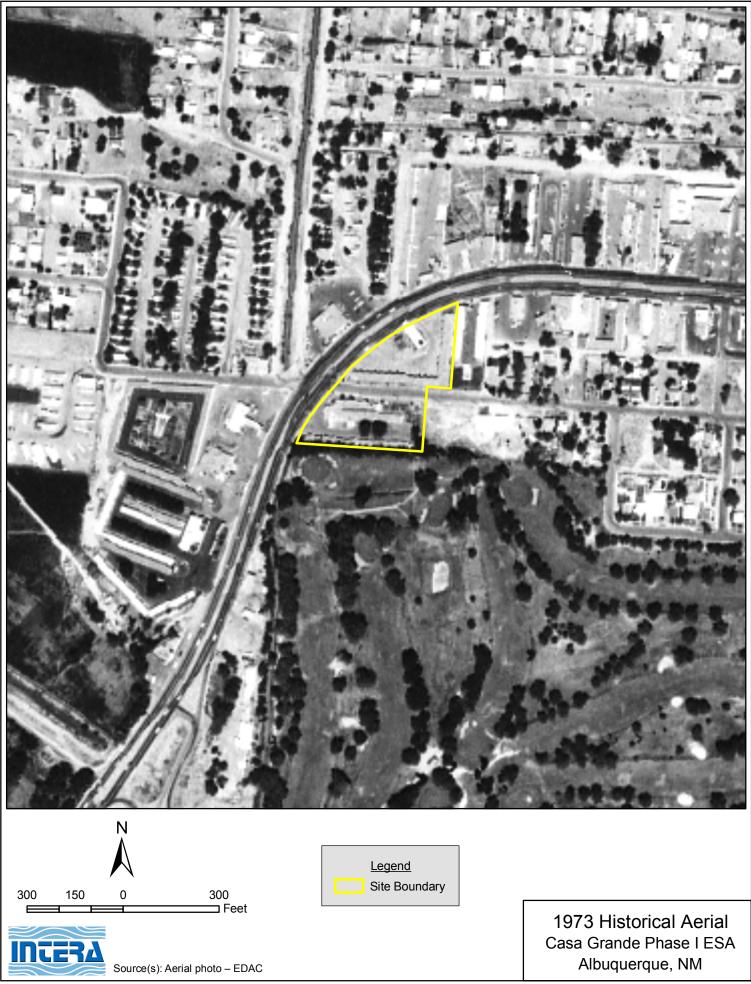
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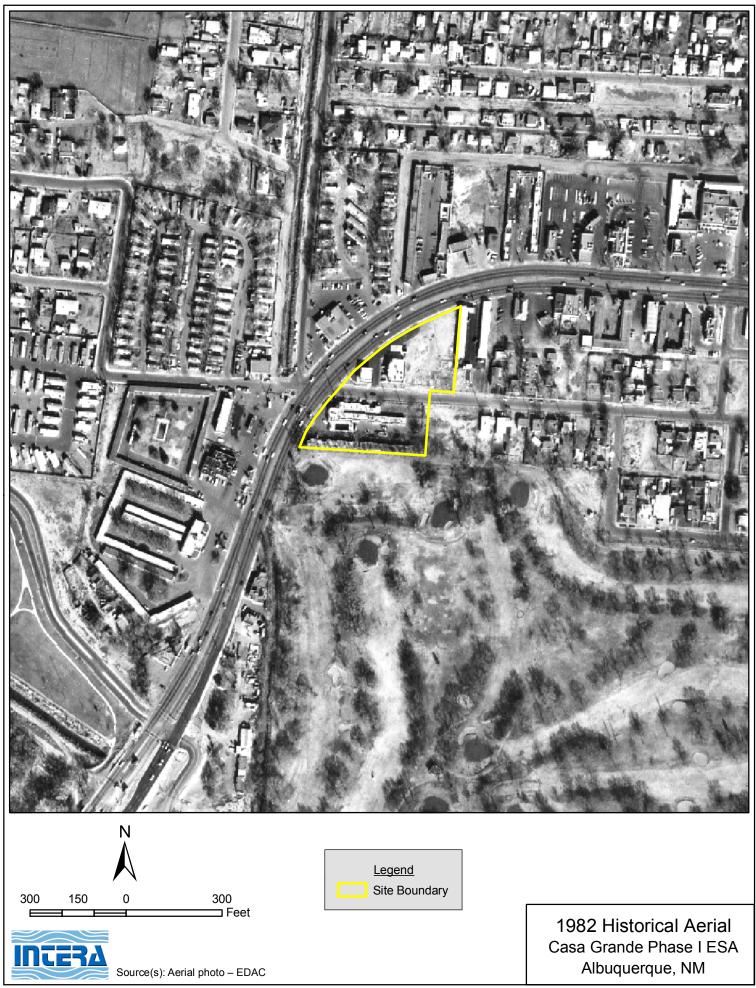
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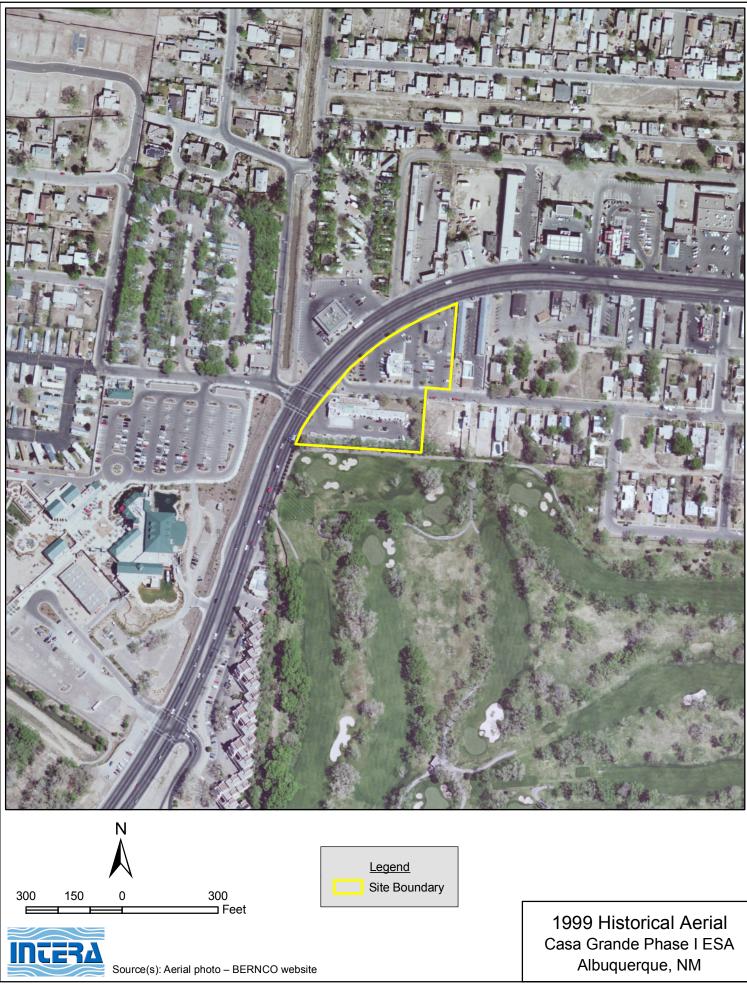
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**Casa Grande** 2500 Central Avenue Albuquerque, NM 87104

Inquiry Number: 2585045.4 September 08, 2009

# The EDR Historical Topographic Map Report



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

## **EDR Historical Topographic Map Report**

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

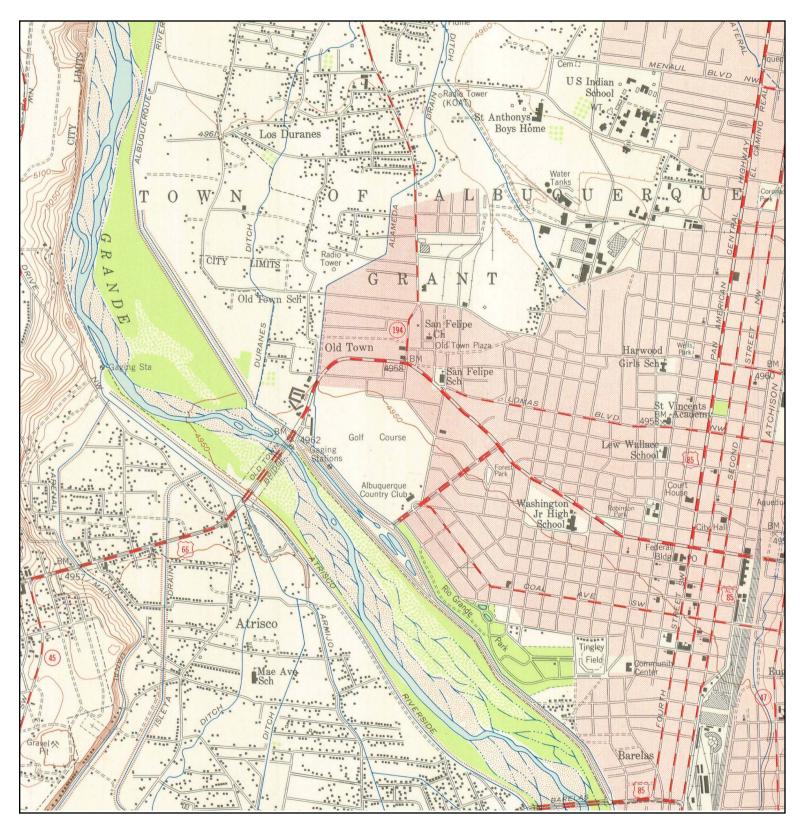
*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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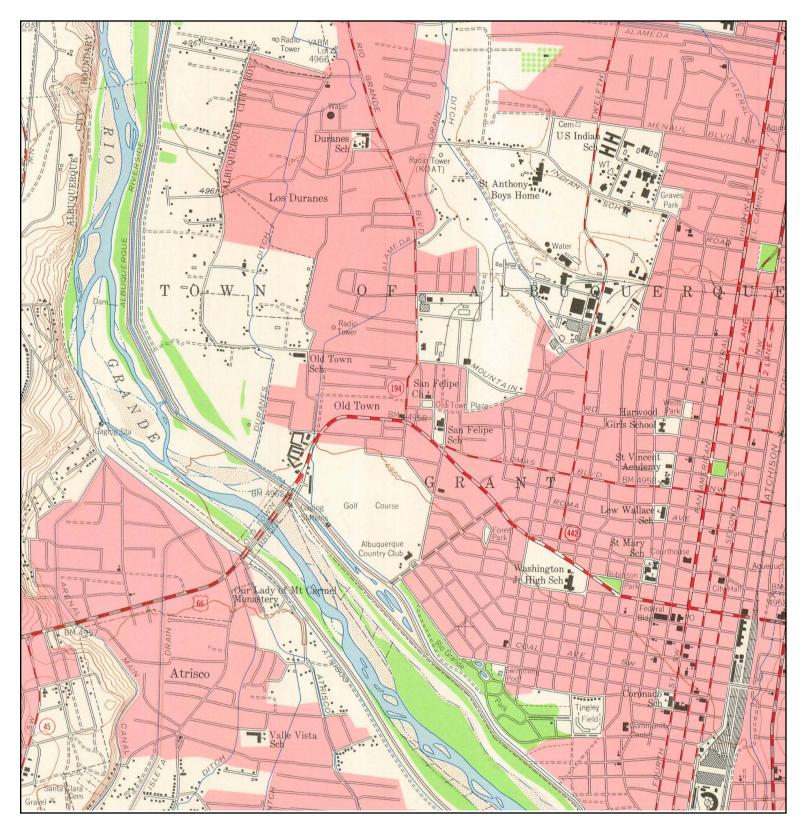
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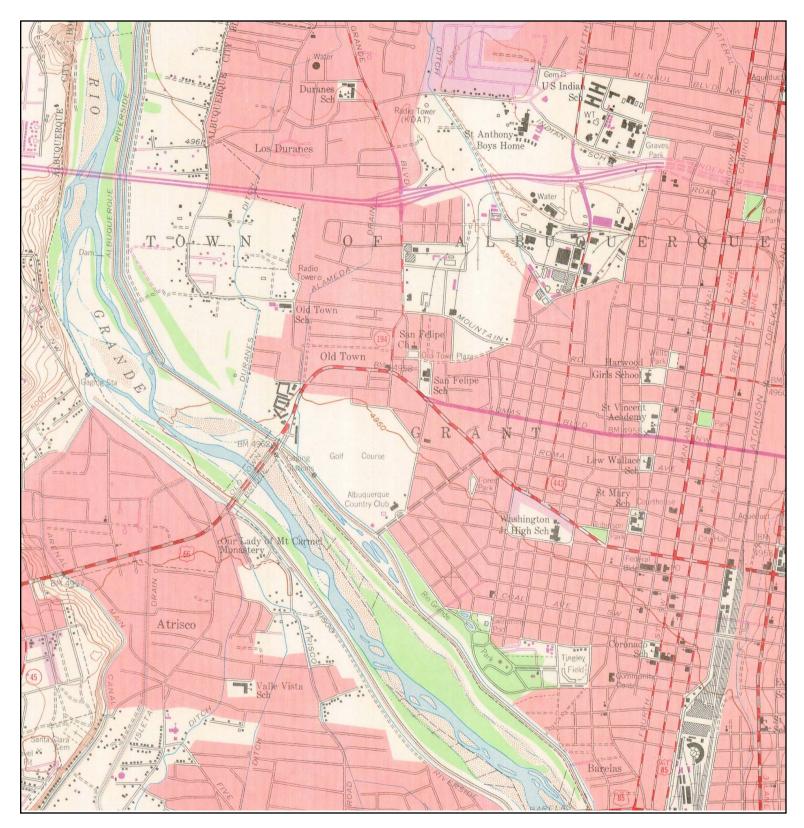


<b>z</b>	TARGET QU NAME: MAP YEAR: SERIES: SCALE:	Albuquerque West, NM	ADDRESS:	Casa Grande 2500 Central Avenue Albuquerque, NM 87104 35.0947 / 106.676	CLIENT: CONTACT: INQUIRY#: RESEARCH I	Intera Inc. Eileen Romesser 2585045.4 DATE: 09/08/2009



NAME: Albuquerque West, NM MAP YEAR: 1960 SERIES: 7.5

SERIES: 7.5 SCALE: 1:24,000 SITE NAME: Casa Grande ADDRESS: 2500 Central Avenue Albuquerque, NM 87104 LAT/LONG: 35.0947 / 106.676 CLIENT: Intera Inc. CONTACT: Eileen Romesser INQUIRY#: 2585045.4 RESEARCH DATE: 09/08/2009

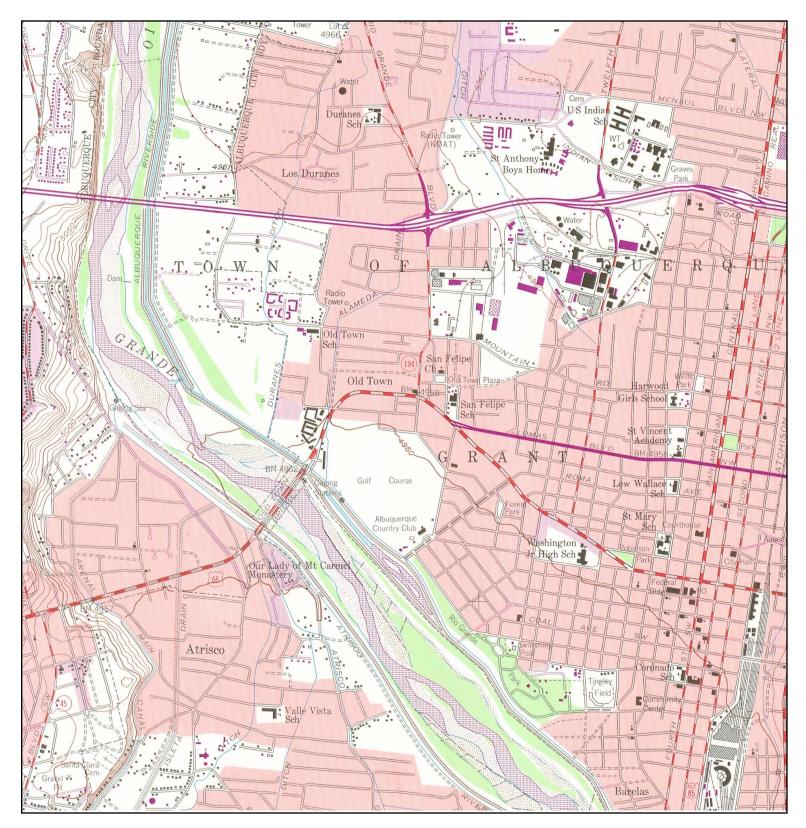


TARGET QUADNAME:Albuquerque West, NMMAP YEAR:1967PHOTOREVISED FROM:1960SERIES:7.5SCALE:1:24,000

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SITE NAME: Ca ADDRESS: 25 All LAT/LONG: 35

Casa Grande 2500 Central Avenue Albuquerque, NM 87104 35.0947 / 106.676 CLIENT: Intera Inc. CONTACT: Eileen Romesser INQUIRY#: 2585045.4 RESEARCH DATE: 09/08/2009

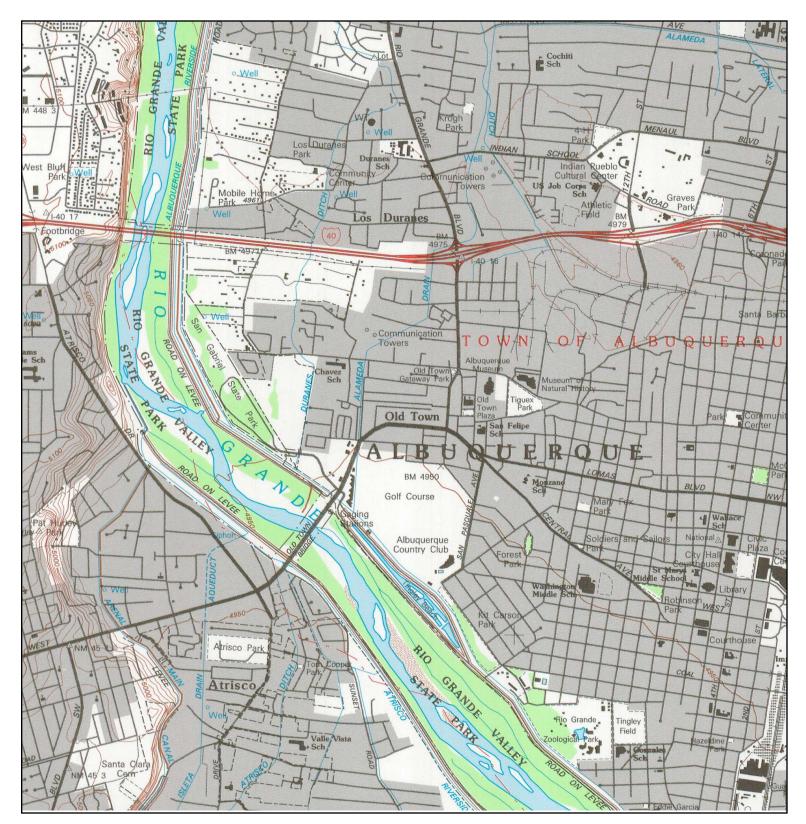


TARGET QUADNAME:Albuquerque West, NMMAP YEAR:1972PHOTOREVISED FROM:1960SERIES:7.5SCALE:1:24,000

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SITE NAME: Ca ADDRESS: 25 Alt LAT/LONG: 35

Casa Grande 2500 Central Avenue Albuquerque, NM 87104 35.0947 / 106.676 CLIENT:Intera Inc.CONTACT:Eileen RomesserINQUIRY#:2585045.4RESEARCH DATE:09/08/2009



TARGET QUAD Ν NAME: Albuquerque West, NM MAP YEAR: 1990 SERIES: 7.5 1:24,000

SITE NAME: Casa Grande ADDRESS: 2500 Central Avenue Albuquerque, NM 87104 35.0947 / 106.676 LAT/LONG:

CLIENT: Intera Inc. CONTACT: Eileen Romesser INQUIRY#: 2585045.4 RESEARCH DATE: 09/08/2009

SCALE:

**Casa Grande** 2500 Central Avenue Albuquerque, NM 87104

Inquiry Number: 2585045.3 September 09, 2009

# **Certified Sanborn® Map Report**



440 Wheelers Farms Road Milford, CT 06461 800.352.0050 www.edrnet.com

## **Certified Sanborn® Map Report**

9/09/09

Site Name:	Client Name:
Casa Grande	Intera Inc.
2500 Central Avenue	6000 Uptown Blvd. NE
Albuquerque, NM 87104	Albuquerque, NM 87110
EDR Inquiry # 2585045.3	Contact: Eileen Romesser



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### Certified Sanborn Results:

Site Name:	Casa Grande
Address:	2500 Central Avenue
City, State, Zip:	Albuquerque, NM 87104
Cross Street:	
P.O. #	COA-OCS-02-03
Project:	Casa Grande Pha
Certification #	7C7F-4BA0-AC10

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results Certification # 7C7F-4BA0-AC10

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Library of Congress University Publications of America EDR Private Collection

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Appendix G Supplemental Documentation Prepared For

Electric Barrier

State Bar

References

<u>() 482.644</u>

**REMAX ELITE** 

## PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

2500 CENTRAL SW ALBUQUERQUE, NEW MEXICO 87104

> Date Issued: September 22, 2005 Delphi Project Number: 05-0906-01

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Mar Soli

**Mark Sikelianos** 

DELPHI, INC. 101 EDELWEISS TIJERAS, NEW MEXICO 87059

TEL (505) 281-1885 FAX (505) 281-8111 Email: <u>marksik@Delphiinc.net</u>

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	Sikelianos <mark@delphlinc.net> [Add to Address Book] [View Source]</mark@delphlinc.net>
	isin@comcast.net
-	/ado Motel Asbestos Sample Results
ite: Mon, 5	5 Dec 2005 22:13:32 +0000
Wendy,	
I have atta	ached the sample results from the lab.
	ry, the samples marked with * on the cover page of the COC are came back positive.
	es were collected and submitted for analysis. Three came back
positive.	
	by definition any material containing greater than 1% s considered asbestos containing material > 1%.
	positive samples are as follows:
1) Carport	unit 4, south wall stucco/ patch material - layer 2 decribed
	white texture/joint compound. (could be just the patch)
	of Unit 6, east wall - layer 3 decribed by lab as off white nt compound.
3) Interior	of Unit 1, -kitchen wall plaster - layer 5 decribed by lab
as off white	e texture/joint compound.
I will phone	e Richard and discussthe results. I do not think there is
any way to	get around treating the interior materials as asbestos
containing. demolition	Maybe there is a way to separate the exterior stucco in the process, assuming it was only the patch. I will put together
	letter report with photos and cover page.
	batement firms: ediation - 823-9006
Southwest	Hazard Control - 298-6930
Grancor En	terprises Inc 872-0005, Mike Granjean
Mark Sikeli (505) 281-	
5057 201-	
Attachmar	ts successfully scanned for viruses.)
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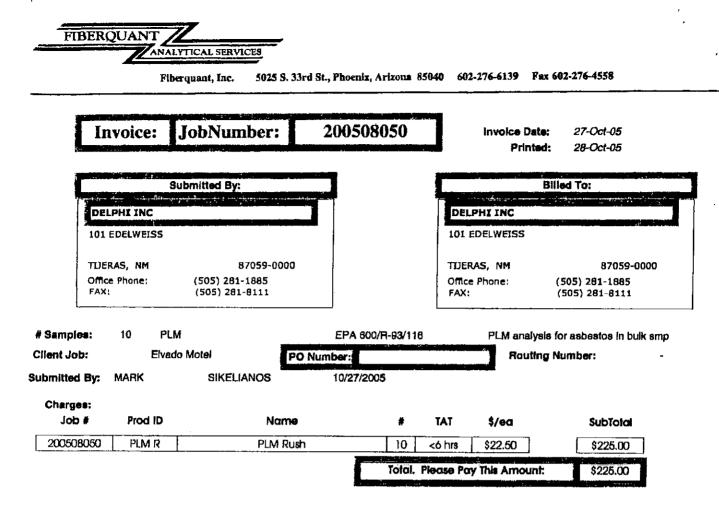
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Fiberquant Analytical Services 5025 S. 33# SL; Phoenix, AZ 85040; Phone: 602-276-6139; FAX: 602-276-4558; Fiberquant@ablinet.com

FIBERQUANT			Frod Required		rum-an me (circ	
	Asbestos			Ru	Nort	A E
ANALYTICAL SERVICES	by PLM					
Chain-of-Custody Form		Analyze '	all samples? Yes No 19 positive found (ATPF)? by Layer or Sample yer Protocol Yes No	hrs	days	i 34 derj
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305 281 1885 (505)281-BILI			y: Chatfield Full	1-2 days	3-5 days	10 days
		Vacuum D	lust (ASTM)	3.5	5-10	N/A
Invoice to (Company) Same as above	Metals by	analyte:	Col Cr Cu Ni Phi Zn	days <6	<u>days</u> 2-3	
Address	FLAA	materitox	Filter MCE FG	hrs	days	
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Sample Number	Description/Location (include agar type/makerierp. Date)	Comple Dat		
1) 0510260919		Sample Date	Sample Time	Vol/Area
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" OSI026095	Unit 6 East-Way plaster		0124	<u> </u>
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1-1051026 0932	Until Kitchm Wan plaster		0928	4kn'
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" OS/026 0946	Unit 25 Exterior White Stucios	<u>-</u>	0942	
10) 05/0260952	Unit M Externar platter Carport Es.d	ven	0944	
11)	Prito var pictur Carport Es.d.	<b>d</b> •	0952	<b>_</b>
12)				
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FIBEROUANT ANALYTICAL SERVICES Polarized Light Microscope (PLM) Analysis for Asbestos **JobNumber:** 200508050 **Client:** DELPHI INC 101 EDELWEISS TIJERAS, NM 87059-0000 Office Phone: (505) 281-1885 FAX: (505) 281-8111 # Samples: 10 PLM Rec: 10/27/2005 Method: EPA 600/R-93/116 PLM analysis for asbestos in bulk smp Client Job: Elvado Motel PO Number: **Report Date:** 10/27/2005 **Date Analyzed:** 10/27/2005 Routing Number: -Method and Analysis Information: Fiberquant Internal SOP PLMn

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

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

The method of fiber analysis and identification is the EPA Method 600/R-93/116. The method of fiber quantitation is an estimation technique in which the analysis quantitation is routinely calibrated by reference quantitation standards, and which has been shown to be equivalent in precision and accuracy to point counting. Friability is estimated for the purposes of deciding when to point count. Friabilities determined in the field take precedence over those determined in the laboratory. Those sample layers which are friable and estimated by the analysis to contain <=1% asbestos are point counted using 400 points. Such point counting is required by NESHAP (National Emission Standards for Hazardous Air Polutants, Nov. 1990) in order to rely on analytical results that are <=1%. The coefficient of variation for the estimation quantitation technique is 100% in the range 0-"negative". For this reason, Fiberquant refers to results where asbestos was detected but <=1% as "borderline negative", and results where asbestos was detected but <=1% as "borderline negative", and results where asbestos was detected but <=2% as "borderline positive" or "negative" label. In the sample summary, "ND" means that no asbestos was detected during the analysis. A "Tr" or "Trace" of asbestos reported is defined for our purposes as the detection of several asbestos fibers during the analysis; this level would be right at the limit of detection for the method. Trace is only reported on th analysis detail - in the summary a trace would be reported as <=1%. The limit of detection (the smallest % of asbestos that can be detected) varies greative depending on the matrix in which the asbestos is found. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 1% stated in the method. During the analysis, the analysis, the there types are only what is apparent. Often, different materials appear similar or identical after sampling, so the analyst ma

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

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

The samples were analyzed under the following ongoing quality assurance program: Blank samples are routinely analyzed to maintain contamination-free materials. Each analyst has at least a bachelor's degree in physical science, and has also completed extensive training specific to asbestos analysis for 1-3 months before being allowed to analyze client samples. Qualitative reference samples are routinely analyzed to assure that analysts can identify asbestos and asbestos-look-alike fibers. Quantitative reference samples are routinely analyzed to calibrate and characterize the estimation procedure. Microscope alignment is checked each day. Refractive index oils are calibrated at least quarteriy. At least 10% of client samples are re-analyzed from scratch by a different analyst than the original, and any discrepancies are resolved for the sample and similar sample before the results are reported. All quality checks performed for these samples were in control except as detailed in the "Analytical Notes" below. All analysts participate in interiab round robins and proficiency testing to assure competence. Fiberquant is accredited by NVLAP for the analysis of bulk samples for asbestos using PLM. Accreditation does not imply endorsement by the EPA, any other United States governmental agenc or any private agency or association. Each lab analysis refers only to the sample tested, and may not, due to the sampling process, be representative

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of the material sampled. This report may not be reproduced except in full, without the approval of Fiberquant Analytical Services.

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

#### **Job Analysis Notes:**

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	alysis Su	mmary	<i>[</i> :	Job Number:	200508050	Elvado Motel
	Sample	Numbe	r Lab Number	Apparent Sample	е Тү <b>ре *</b>	Positive Layer Yes or No
	Layer	Color	Apparent Layer Type <sup>4</sup>	Asbestos Resu	its	
Sample	051026	<u>1919</u>	2005-08050-	1 Wall System		Positive Layer? Yes
	Layer # 1	Off-while	te paint	no asbestos deti	ected	
	Layer # 2	White	texture/joint compound	>1-2% chrysotii	e asbestos	
	Layer # 3	Off-while	te plaster	no asbestos dete	cted	
Sample	0510260	1924	2005-08050-	2 Wall System		Positive Layer? No
•	Layer #1	Off-whit	te paint	no asbestos dete	ected	
	Layer # 2	off-whit	e plaster	no asbestos dete	cted	
Sample	0510260	925	2005-08050-	3 Wall System		Positive Layer? Yes
	Layer # 1	Off-whit	te paint	no asbestos dete	ected	
	Layer # 2	White	plaster (top coat)	no asbestos dete	cted	
	Layer # 3	Off-whit	te texture/joint compound	>1-2% chrysotik	e asbestos	
Samole	0510260		2005-08050-			Positive Layer? No
	Layer #1		te sulface	no asbestos dete	cted	
	Layer # 2	Gray	ficor tile	no asbestos dete	cted	
	Layer # 3	Yellow	mastic	no asbestos dete	cted	
	Layer # 4	Тап	debris	no asbestos dete	cted	
Samole	0510260	932	2005-08050-	5 Wali System		Positive Laver? Yes
	Layer # 1	Off-white	e paint	no asbestos dete	cted	
	Layer # 2	Off-white	e texture/joint compound	>1-2% chrysotik	asbestos	
	Layer # 3	Green	paint	no asbestos dete	cted	
	Layer # 4	White	plaster (top coat)	no asbestos dete	cted	
	Layer # 5	Off-white	e texture/joint compound	>1-2% chrvsotik	asbestos	
Sample	0510260		2005-08050-	5 Wall System		Positive Laver? No
	Layer # 1	Off-white		no asbestos dete	cted	
	Layer # 2	White	plaster (top coat)	no asbestos dete	cted	
	Layer # 3	Tan	plaster (scratch coat)	no asbestos dete	cted	
Sample	0510260	940	2005-08050-	Wall System		Positive Laver? No
	Laver # 1	Off-white		no asbestos dete	cted	
	Layer # 2	Off-white	e texture/joint compound	<=1% chrysotile	asbestos	
	Laver # 3	Various	·• ·	no asbestos deter	ted	
	Layer # 4	off-white		no asbestos deter	ted	
	0510260		2005-08050-4			Positive Layer? No
• • • • • • •	Layer # 1	White	paint	no asbestos detec	ted	
	Layer # 2	White	plaster (top coat)	no asbestos detec	ted	
	Layer # 3	Red	paint	no asbestos detec	ted	
	Layer # 4	Off-white	texture/joint compound	<=1% chrysotile	asbestos	
	0510260		2005-08050- 9	• · · ·		Positive Layer? No
•		White	paint	no asbestos detec	ted	· · · · · · · · · · · · · · · · · · ·
	Layer # 2	White	plaster (top coat)	no asbestos detec		
	•	White	paint	no asbestos detec	ted	
Sample	05102609	352	2005-08050- 1	0 Wall System		Positive Laver? No
		White	paint	no asbestos detec	ted	
	-	White	plaster (top coat)	no asbestos detec	ted	
	•	Tan	plaster (scratch coat)	no asbestos detec	ted	

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

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	© 0510260919 /zed By US 10/2	27/2005	-	i <mark>b Numbe</mark> ' OK		08050- 1 I <b>nt Smp</b> '	-			/26/206	<b>)5</b> 9	9:19 Non-fi	Conditi ibrous Solid	i <b>on:</b> accej	tabl
_	jeneous No		# Layers			Pos Laye				<b># S</b>	ub-Sam	iples8			
Non-I	Fibrous Component	us (In aj	pprox. decr	reasing or	der): fl	ller, bind	er, pow	/der							
ما	yara									Percent	of Each	Fiber	···		-
*	Layer Type	-	Color	Friebility		FIb 1		4b 2	<u> </u>	FID 3	Γ-	FID 4	Fib 3	· · · · ·	b 1
1	paint	5	Off-white	1	ר ר	n.d.	1			•	1		•		
2	texture/joint compound	65	White	3		>1-2%	1	-		•	÷ [	[	•	· — [	
3	plaster	30	Off-white	2	] [	n.d.					. <u> </u>			_ <u>_</u>	-
	Total %	100	]	Average		>1-2%		· · · · · · ·				- 1			-
			Fiber	Identification:	chrys	olile asbesto	6					I			
												Refractive	Index Dete	rmination	
Fi	bers			Color	Mrph	Iso	Piec	BI	Elg	Ext	<del>N</del> I	Col Par	Col Per	RI Par	
<u> </u>	chrysotile as	bestos		₩	<b>A</b>	. <u>N</u>	N	L	+	P	1.550	vb/g	po/r	1.556	1.
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Non-F	librous Component	s (in a <sub>l</sub>	pprox. decr	easing or	der): fi	iller, bli	nder,								
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	Layer Type	*	Color	Friebility	1	Fib 1		Fib 2		Fib 3		rib 4	Fib S		ю (
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mpie An rocedur ample Analyze	ed By US 10/2	7/2005	Lai An?	b Number OK A	2005-( ppare	08050- nt Smp	4 Type	Sampi Floorin	<b>ed:</b> 10,	/26/200	5 9:	28 Non-fibi	matrix usi Conditic rous Solid		
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mpis An rocedur iample Ansiyze amoger Non-Fit Laye	e: tweased apart us 0510260928 ed By US 10/22 meaus No brous Components ws Layer Type surface	7/2005 (in ap %	Lai An? # Layers 4 prox. decre Color Off-white	Number OK A asing ord Friability	2005-( spare f er): fill	D8050- nt Smp Pos Lay ler, bin Fib 1 n.d.	4 • Type yer? No	Sempi Floorin Fib 2 R.d.	ed: 10, g	/26/200 # Su ercents	5 9: Ib-Samp of Each 1	28 Non-fibi Dies 10	Conditio rous Solid	accep	tab
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	ogeneous No		# Layers	5		Pos La	yer?Ye	es		# S	ub-San	nples 10			
Nor	-Fibrous Componen	ts (in a	pprox. decr	reasing or	der): fil	ller, bir	nder,								
	Layers				—					Percent	a of Eacl	h Fiber			** 7
	Layer Type	**	Color	Frisbility	, 1	PHb 1		Fib 2		Fib 3	<u> </u>	Fib 4	Fib 5	F	16 <b>6</b>
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2	texture/joint compound		Off-white	3		>1-2%				•			•	··· †	-
3	paint	5	Green	1		n.d.		-		-		-	•		•
4	plaster (top coat)	10	White	2		n.d.		-		*	, <u> </u>	-			• .
5	texture/joint compound	65	Off-white	3	][_:	>1-2%						•	-		•
	Total %	100	]	Average	94	>1-2%		•	I			· [		]	-
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FAX: 602-276-4558

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Fiberquant, Inc.

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yellow; vb/g= vivid blue/gold; sb/a=sky blue/orange; pb/r=paie blue/red; gb/dr=gray blue/dark red; w/b=white/black. Col Perp=same only perpendicular to fiber. RI Par=refractive index parallel to fiber; RI Perp=refractive index perpendicular to fiber

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5025 S. 33rd Street Phoenix, Arizona 85040-2816

1-800-743-2687

PLM Analysis Details

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Analyst: UWE ... STEIMLE

Printed: 27-Oct-05 Original Print Date: 27-Oct-05

Approved Accreditation Signatory Larry S. Plerg

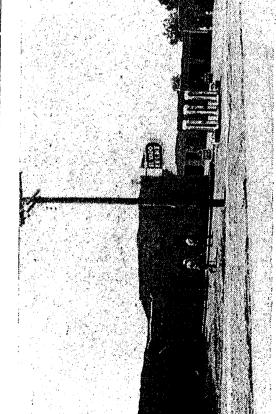
5025 S. 33rd Street

Phoenix, Arizona 85040-2816

1-800-743-2687

June, 1937 I Vado Motter 7,

ALBUQUERQUE PROGRESS

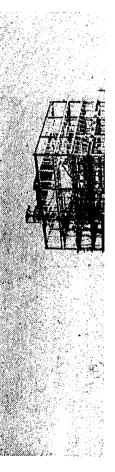


# AUTO COURT

This view shows the entrance to El Vado Auto Court, on West Central near the Old Town bridge, which will have 24 swanky tile cabin suites ready for the summer tourist trade, and will increase the number to thirty later on. The suites have cement floors, timbered ceilings, shower baths. Proprietors are Dan Murphy and N. C. Cross.

## BAKERY

Delay in the arrival of steel stopped the progress of the new Cottage Pure Food Shop plant, East Central and Terrace Avenue, at the point shown in the picture. The cottage-like front, which will contain the bakery's retail store and also an ice cream and dairy products store, is practically complete.



This is a rear view of the new library on University campus, showing the book

LIBRARY

Page 3

ALBUQUERQUE, NEW MEXICO

# KOB to be NBC

The new booklet listing of NBC radio stations lists Albuquerque's station KOB as an outlet for the blue and red network. The connection will possibly be made next June.

# Realty Sale

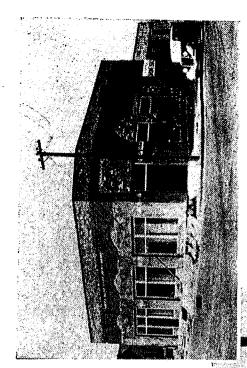
A two-story brick building at 518 West Central Avenue occupied by a Ilammond Co-operative Food store was recently purchased by the Ilfeld Investment Company at a price reported to be between \$25,000 and \$30,000. The building has a 25 foot frontage on Central.

(Right) Where the Darrow Ice Cream will make its new home, on East Coal and South Arno. Old store being remodeled, with spacious addition.

Kenneth Riggs has opened the Albuquerque Printing House at 216 West Copper Avenue. Mr. Riggs was formerly located in the 300 block on Copper.

# New Stores, Offices

B. G. McIntosh is making over his building at 214 West Copper into three stores on the street floor and four offices on the second floor. The work which is in charge of A. W. Boehning and Gordon Ferguson, is giving the building a modern southwestern style front.



(Left) El Vado Court getting ready for tourists. Proprietors, Dan Murphy and N. C. Cross. Location, near Country Club, on Laguna Cutoff highway near Rio Grande bridge.

April 1937 Hlbag / hogress

## **CERL** ENVIRONMENTAL CONSULTANTS

A Division of CERL, Inc. 1808 Second St, Suite D P.O. Box 4673 Santa Fe, NM 87502 Phone (505) 988-4143 FAX (505) 982-6759 e-mail: cerl@cerl-fsi.com or Web Site: www.cerl-fsi.com

PROJECT: Mold Assessment	CODE: EBX
LOCATION: 2500 Central Ave SW; Albuquerque, NM	CLIENT: Richard Gonzales
INSPECTOR: Jessica Terrill	EVAL DATE: 05/27/06

## SITUATION

26.00

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The hotel at the referenced address is being evaluated for inclusion on the Historic Register. The owner has requested an inspection to determine if any mold contamination is present in the hotel.

## **CONDITIONS AT TIME OF INSPECTION**

There are two buildings located on the property. Both buildings are one story structures on a cement slab, apparently of adobe construction, with an exterior finish of stucco. All of the units within the buildings were finished in the same materials. The walls and ceilings were finished with plaster, with the exception of the main area ceiling, which was finished with wood and vigas. The floors were finished with linoleum in the bathrooms and kitchenettes, and carpet in all of the other rooms. The majority of the rooms were unfurnished; however, there were some remaining furnishings in the northern rooms. A visual inspection was conducted of the buildings and the following conditions were noted.

General conditions found in all of the units, unless otherwise noted:

- 1. There was cracking on the walls and ceilings in all of the units.
- 2. Staining was noted in the sink cabinets of the kitchenettes.
- 3. Water damage was noted on the wood ceiling of the main room around the ceiling vent in all of the units.
- 4. Suspect mold growth and cracking was noted in the shower and bathtub grout and seals in all of the units.
- 5. Insects were found in all of the units.
- 6. Rodent droppings were noted in the units with kitchenettes.
- 7. There was heavy dust accumulation, leaves, and general debris noted in all of the units.
- 8. Moisture levels were found to be normal (normal is 10% or less) in all of the units unless otherwise noted below.

Area/Unit specific conditions noted:

Lobby & Adjoining Areas

- 1. Severe staining was noted on the east wall and ceiling of the storage area behind the main desk.
- 2. Moisture levels were found to be above normal on the south wall of the main room east of the fireplace, at levels of 23% to 25%.

## Unit 7

100

Moisture levels were found to be above normal on the east wall of the bathroom behind the toilet, at levels of 11% to 13%, and on the west wall of the bedroom, at levels of 13% to 16%.

Unit 10

- 1. There was packaged meat rotting in the freezer of the refrigerator unit, which was unplugged, in the kitchenette.
- 2. Flies and maggots were found throughout the kitchenette.
- 3. There was a severe odor noted in the unit.

## Unit 11

- 1. Severe plaster damage was noted on the west wall of the living room, the bathroom walls, and the closet walls.
- 2. Moisture levels were found to be above normal at the north end of the damaged plaster on the west wall, at levels of 12% to 13%.

## Unit 12

Severe plaster damage was noted on the base of the walls in all rooms of the unit.

Unit 15

There were personal belongings scattered in the unit, amongst which rotting food was noted.

Unit 17

- 1. Suspect mold growth was found above the bathtub, as well as under the kitchen sink cabinet.
- 2. Moisture levels were found to be above normal in the kitchenette between the stove and the counter, at levels of 15% to 25%.

## Unit 19

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Suspect mold growth was found at the base of the walls in the closet of the second bedroom in the unit.

## Unit 21

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Suspect mold growth was found on the back side of the plumbing access in the living room.

## Unit 22

Staining was noted on the walls of the closet.

## Unit 24

- 1. Severe plaster damage was noted on the east wall of the living room, the walls of the closet, and the south wall of the bathroom.
- 2. Moisture levels were found to be above normal in the north wall of the bathroom, at levels of 13% to 25%.

## Unit 27

Suspect mold growth was noted on the back of the sink cabinet.

## Unit 29

Moisture levels were found to be above normal on the east wall of the closet, at levels of 13% to 17%, and on the east wall of the bathroom, at levels of 11% to 16%.

## Unit 31

Moisture levels were found to be above normal on the south wall of the bathroom, at levels of 23% to greater than 30%, and on the west wall of the main room, at levels of greater than 30%.

## Unit 32

Suspect mold growth was found in the shower area above the grout line.

## Unit 33

- 1. Suspect mold growth was noted on the walls above the shower in the bathroom.
- 2. Moisture levels were found to be above normal on the west wall of the bathroom, at levels up to 13%, and on the west wall of the bathroom, at levels of 16% to 27%.

## Unit 35

- 1. Suspect mold growth was noted on the south wall of the bedroom.
- 2. Moisture levels were found to be above normal on the west wall of the bathroom, at levels of 11% to 16%, and in the southeast corner of the bathroom, at a level of 23%.

## Storage/Maintenance Room

- 1. Severe damage and efflorescence was noted on the north wall of the main room.
- 2. Minor damage was noted on the remainder of the walls in the room.

## SAMPLING

Samples of stained or discolored areas were taken to confirm the presence or absence of mold. Samples of settled surface dust were taken to determine if unusual concentrations of mold structures are present, and were analyzed for levels (counts) of mold, and in terms of the percentage of mold spores compared to other types of dust. The results of the sample analysis are noted below (ref. Sample Analysis section for details).

SAMPLE #	TYPE & LOCATION	RESULTS SUMMARY
<b>T-0</b> 1	Settled Dust: top of the refrigerator in the kitchen of unit 1	Archived
T-02	Settled Dust: top of the heater on the south wall of the bedroom in unit 1	1326 mold spores/sq cm, 1.25% (elevated level, elevated concentration)
T-03	Settled Dust: top of the heater on the east wall on the bedroom in unit 2	Archived
<b>T-0</b> 4	Settled Dust: top of the heater on the south wall of the bedroom in unit 4	Archived
T-05	Settled Dust: top of the light fixture on the ceiling in the bedroom of unit 6	Archived
<b>T-</b> 06	Settled Dust: top of the light fixture on the west wall of the bedroom in unit 8	Archived
T-07	Settled Dust: top of the light fixture on the east wall of the bedroom in unit 12	Archived
T-08	Settled Dust: top of the light fixture on the ceiling in the bedroom of unit 14	1632 mold spores/sq cm, 0.78% (elevated level, normal concentration)
T-09	Settled Dust: top of the heater on the south wall of the bedroom in unit 16	Archived
<b>T-1</b> 0	Settied Dust: top of the light fixture on the ceiling in the bedroom in unit 18	Archived
T-11	Settled Dust: top of the light fixture on the east wall of the bedroom in unit 20	Archived
T-12	Settled Dust: top of the heater on the west wall of the bedroom in unit 22	Archived
T-13	Settled Dust: top of the heater on the south wall of the bedroom in unit 24	Archived
T-14	Settled Dust: top of the light fixture on the ceiling of the bedroom in unit 26	Archived
T-15	Settled Dust: top of the light fixture on the east wall of the bedroom in unit 28	Archived
T-16	Settled Dust: top of the heater on the west wall of the bedroom in unit 30	969 mold spores/sq cm, 1.10% (elevated level, elevated concentration)

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SAMPLE #	TYPE & LOCATION	RESULTS SUMMARY
T-17	Surface: suspect growth on the south wall of the shower above the ceramic tile in unit 32	Mold presence confirmed Colony level presence <i>Alternaria</i>
<b>T</b> -18	Settled Dust: top of the heater on the west wall of the bedroom in unit 32	Archived
T-19	Settled Dust: top of the light fixture on the ceiling of the bedroom in unit 25	Archived
<b>T-</b> 20	Settled Dust: top of the heater on the west wall of the bedroom in unit 23	1989 mold spores/sq cm, 1.80% (elevated level, elevated concentration)
T-21	Settled Dust: top of the heater on the east wall of the bedroom in unit 21	Archived
T-22	Surface: suspect mold growth on the baseboard of the plumbing access in the bedroom in unit 21	Mold presence confirmed Colony level presence <i>Cladosporium</i>
T-23	Surface: discoloration on the north wall of the closet in unit 19	Archived
T-24	Settled Dust: top of the light fixture on the ceiling on the bedroom in unit 19	Archived
T-25	Surface: suspect mold growth on the west wall in the bathroom above the bathtub in unit 17	Mold presence confirmed Too numerous to count Unknown hypha
T-26	Surface: suspect mold growth on the north wall of the kitchen under the sink in unit 17	Archived
T-27	Settled Dust: top of the heater on the north wall of the bedroom in unit 17	Archived
T-28	Settled Dust: top of the light fixture on the east wall of the bedroom in unit 11	1479 mold spores/sq cm, 1.83% (elevated level, elevated concentration)
T-29	Settled Dust: top of the light fixture on the west wall of the bedroom in unit 9	Archived
T-30	Settled Dust: top of the light fixture on the ceiling on the bedroom in unit 7	Archived
T-31	Settled Dust: top of the light fixture on the east wall of the bedroom in unit 5	Archived
T-32	Surface: suspect mold growth under the bathroom sink in unit 27	Archived
Т-33	Settled Dust: top of the desk on the west wall of the bedroom in unit 29	Archived
Т-34	Surface: suspect mold growth on the south wall of the shower in the bathroom of unit 33	Archived

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SAMPLE #	TYPE & LOCATION	RESULTS SUMMARY
T-35	Surface: suspect mold growth on the south wall of the bedroom in unit 35	Archived
T-36	Settled Dust: top of the counter in the front desk area of the lobby	1173 mold spores/sq cm, 0.72% (elevated level, elevated concentration)
BLK-01	Bulk: under the sink cabinet in the kitchen behind the lobby	Mold presence confirmed Colony level presence <i>Ulocladium</i>

Note: 1. The normally expected level of mold particulates on surfaces is less than about 620 mold particulates/sq cm; the normally expected concentration is about 0.8% or less.

2. Colony Level Presence - indicates spores, hyphae and fruiting bodies are present

3. Unknown - a fungal morphology that cannot be readily identified through direct microscopy

4. Archived - indicates that the samples were not analyzed and were stored in archive for future reference.

## FINDINGS AND RECOMMENDATIONS

Surface mold growth was found on the plaster above the showers and bathtubs of the units, as well as on the grout and seals of the showers and tubs. Mold growth was also confirmed under the sink cabinet in the kitchen behind the front desk of the lobby, and on the plumbing access in unit 21. Dust sample analyses reveal that the mold levels and concentrations in the dust of both of the buildings are generally above the amounts normally expected.

Elevated moisture levels were found in several units, mainly in the north building, although there was no apparent source of moisture. It is recommended that a licensed plumber inspect these areas to determine if leaks are the source of the moisture.

Severe cracking and plaster damage was noted on the walls and ceilings of all units. The source of this damage is unknown, although it may be structural. It is recommended that a structural engineer or architect with experience in adobe construction be consulted to determine if the building has maintained its structural integrity. It is recommended that any renovation or corrective procedures proceed under the engineer's oversight and advisement. The roof and the flashing and caulking around vents should be evaluated and repaired as needed to prevent moisture intrusion. It is also recommended that the exterior drainage be evaluated to insure that moisture flows away from the buildings and does not pond near the walls.

It is recommended that the buildings be thoroughly cleaned to remove the mold growth and mold-laden dust. As part of these cleaning efforts, it is recommended that any rodent droppings and/or insect remains be removed and the areas in which these are found be cleaned and sanitized. Recommended cleaning procedures for the mold removal are attached. Special attention should be given to cleaning the kitchenette sink cabinets; removal of the cabinets may be required to adequately clean and sanitize the areas of mold growth. The exterior of the building should be inspected and all openings greater than 3/8 inch in size should be sealed to prevent rodent entry.

The removal of the rotting meat in unit 10 and the rotting food in unit 15 should be accomplished as soon as possible to remove the insect presence and odor source from the rooms.

Following the cleaning and sanitizing of the bathroom grout and seals, it is recommended that these materials be repaired to seal cracks which may allow moisture intrusion into walls. It is also recommended that a means of ventilating the bathrooms be installed to reduce the humidity levels which accompany bathing activities and are conducive to mold growth.

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Jessica Terrill, BS CERL, Inc.

May 31, 2006

SAMPLE ANALYSIS

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W. C. William

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## **CERL** ENVIRONMENTAL CONSULTANTS

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## **BIOLOGICAL ANALYSIS**

Project Code: EBX

2500 Central Ave SW; Albuquerque, NM

SAMPLE CODE	MEDIA TYPE					
T-17	Tape Lift	Alternaria				
COMMENTS: (	Colony level prese	nce				
T-22	Tape Lift	Cladosporium				
COMMENTS: (	Colony level prese	nce				
T-25	Tape Lift	Unknown hypha				
COMMENTS: 1	Foo numerous to c	ount				
BLK-01	Tape Lift	Ulocladium				
COMMENTS: Colony level presence						
ANALYST: Jessic	a Terrill	Date: 05/30/06				

KEY:

1. Colony level presence - indicates spores, hyphae and fruiting bodies are present

2. DC - Disinfection Control sample to determine the effectiveness of disinfection procedures.

3. Like - Mold presents general morphology of the indicated mold; positive ID requires laboratory culture

4. MB - Mold & Bacteria

5. NVG - no visible growth

6. OG - Over Grown

7. PSD - Potato Starch & Dextrose growth media

8. Tape Lift - sample collected on a surface such as a table or counter top, floor, wall, etc.

9. TCC - Total Colony Count

10. TNTC - Too Numerous To Count 11. Unknown - a fungal morphology that cannot be attributed to a specific genus through direct microscopy

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## MICROSCOPIC ANALYSIS RECORD SURFACE DUST

Project Code: <u>EBX</u>

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## 2500 Central Ave SW; Albuquerque, NM

Sample Number: <u>T-02</u>

Sample Number: \_\_\_\_\_T-16\_\_\_\_\_

PARTICULATE	MPN TOTAL Cm <sup>2</sup>	PERCENT OF TOTAL
Misc. Particulates	104550.00	98.75
Fungi Spores	1326.00	1.25
Fungi Hyphae	BDL	N/A
TOTAL PARTICULATES	105876.00	
TOTAL PARTICULATES	683069.60	

PARTICULATE	MPN TOTAL Cm <sup>2</sup>	PERCENT OF TOTAL
Misc. Particulates	86700.00	98.89
Fungi Spores	816.00	0.93
Fungi Hyphae	153.00	0.17
TOTAL PARTICULATES	87669.00	
TOTAL PARTICULATES / SQ. IN.	565605.32	

Sample Number: T-08

Sample Number: <u>T-20</u>

PARTICULATE	MPN TOTAL Cm <sup>2</sup>	PERCENT OF TOTAL
Misc. Particulates	209100.00	99.23
Fungi Spores	1530.00	0.73
Fungi Hyphae	102.00	0.05
TOTAL PARTICULATES	210732.00	
TOTAL PARTICULATES / SQ. IN.	1359558.57	n an

PARTICULATE	MPN TOTAL Cm <sup>2</sup>	PERCENT OF TOTAL
Misc. Particulates	108375.00	98.20
Fungi Spores	1887.00	1.71
Fungi Hyphae	102.00	0.09
TOTAL PARTICULATES	110364.00	
TOTAL PARTICULATES	712024.38	

**BDL - Below Detectable Limits** 

MPN - Most Probable Number - represents a statistically reliable estimate of the number of particulates

Sample Number: T-28

Sample Number: T-36

PARTICULATE	MPN TOTAL Cm <sup>2</sup>	PERCENT OF TOTAL	PARTICULATE
Misc. Particulates	79050.00	98.16	Misc. Particulates
Fungi Spores	1275.00	1.58	Fungi Spores
Fungi Hyphae	204.00	0.25	Fungi Hyphae
TOTAL PARTICULATES	80529.00		TOTAL PARTICULATE
TOTAL PARTICULATES	519540.90		TOTAL PARTICULATE

PERCENT MPN OF TOTAL TOTAL Cm<sup>2</sup> 160650.00 99.28 0.72 1173.00 BDL N/A ES 161823.00 1044017.27 ES

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BDL - Below Detectable Limits MPN - Most Probable Number - represents a statistically reliable estimate of the number of particulates

Analyst: Jessica Terrill Date: May 30, 2006

## RECOMMENDED CLEANING METHODS AND PROCEDURES

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## **CERL** ENVIRONMENTAL CONSULTANTS

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GENERAL CLEANING FOR MOLD REMOVAL

2500 Central Ave SW; Albuquerque, NM

## **Health and Safety Precautions**

1. Always handle sanitizing agents while wearing proper gloves and eye protection. After completion, dispose of all cleaning rags, paper towels and other cleaning materials by placing them into a plastic bag, seal the bag, then place the bag in the garbage.

2. Always test the sanitizing agent of choice on a small, out of the way area to determine if the sanitizer will discolor or otherwise damage the material being cleaned.

3. Always ventilate the area being cleaned by opening windows, using an area exhaust fan, and/or using a fan placed to direct fumes out of the work area.

## Surface Mold Growth Removal

Note: if the cumulative size of a heavily mold contaminated area or material is greater than approximately three (3) square feet, a professional mold cleaning company should be contacted for clean-up.

- For: Water resistant surfaces, e.g., walls (some), counter tops, tubs & sinks, concrete, raw wood, plastics, metal, others
- 1. Mix a solution of borax-containing laundry detergent and water.
- 2. Scrub the mold growth and/or discolored areas with a stiff brush and the laundry detergent solution.
- 3. Clean the solution off and wipe dry with a disposable cloth or paper towel.

4. Using a hand sprayer bottle, **soak** the affected area with household hydrogen peroxide <u>or</u> a chlorine bleach solution (mixed one part bleach to 7 parts water). Use one or the other; **never** mix the two together. Keep the area wet with the solution for a minimum of 15 minutes.

5. Again wipe dry with a disposable cloth or paper towel.

Note: Porous materials such as plasters, bricks, concrete, etc. are extremely difficult to sanitize, as the mold/fungi will grow into the porous materials and can escape all but the most rigorous sanitizing procedures and usually will require repeated treatments to be finally effective. Where possible, these materials should be simply removed and disposed.

General Cleaning of Surfaces - to remove mold-laden dust from surfaces

Cleaning of non-porous surfaces, such as walls, counter tops, linoleum flooring, etc., may be accomplished using damp cloths/mops and a common household cleaning solution. Electrostatically-charged cleaning cloths (such as Swiffer® or Grab-It®) may be used for surfaces which will not withstand damp cleaning.

Vacuuming of porous surfaces, such as carpets and furniture, should be accomplished using a vacuum equipped with a HEPA filter. If any of these items have visible mold growth, they should be disposed.

DATE	5-11-92		CASEINUMBER	059		OPENING CONFER		
INSPECTION								
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## ico Underground Storage Tank Bureau INSPECTION REPORT

Case # 059

Page 2 of two pages

	Yes	No	Unk.	N/A	
1. All applicable tanks on site are registered.	bre				
2. Proper notification was made for the following:				a internet. Anne internet	
a. Closure	here				
b. Installation b.				lur	
c. Modification				lar	
d, Repair		1			
3. Tanks closed properly. 3.	beenter				
4. Tanks installed properly. 4.			40		
5. Tanks repaired/modified properly.				line	
6. Release detection — tanks.	Loren	and the second secon			
7. Release detection — piping. 7.	1	19. 19. 9 19. 19. 19. 19. 19. 19.			
8. Record keeping: 8.					
a: Cathodic protection monitoring.		400			
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c. Tank tightness test.	have				
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e. Line leak detector test.	hum				
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g. Release detection sampling/testing results.		ş. ,		Linne	
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i. Permanent closure records.	Jane				
j. Proof of financial responsibility.					
9. Evidence of release/spill.	Low				
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## EXECUTIVE SUMMARY

Dames & Moore, Inc. (Dames & Moore), performed an on-site investigation of the Atomic Gasoline Company's (AGC) Casa Grande Chevron service station facility located at 2501 Central Ave. NW in Albuquerque, New Mexico. This investigation was initiated as a result of the discovery of a gasoline release from the underground storage tank (UST) system during the removal of the USTs on June 11, 1992. Field activities associated with the on-site investigation were completed on June 30, 1992. The investigation included the collection of twelve (12) soil samples from the underground storage tank (UST) system excavation, installation of eleven (11) soil borings and nine (9) ground water monitor wells, development of monitor wells, collection of soil and ground water samples from borings and wells for laboratory analysis, review of State Engineer Office (SEO) area well records, and preparation of the On-Site Investigation report pursuant to the New Mexico Environmental Improvement Board/Underground Storage Tank Regulations (USTR), Part XII, Section 1206 <u>ON-SITE INVESTIGATION REPORT</u>.

Soil Borings were drilled via a portable hydraulic auger supplied and operated by AGC personnel. The borings were terminated at the water table ( $\pm$  1 foot). A Dames & Moore geologist supervised drilling and performed sampling of soil borings SB-1 through SB-9. SB-10 and SB-11 were drilled and sampled solely by AGC staff. Soil samples were collected from each soil boring and analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations; and total aromatic hydrocarbon (TAH) content in accordance with the USTR Part XII, Section 1209 D.(3)(a.) for a gasoline contamination. Soil samples from SB-10 and SB-11 were analyzed for the Resource Conservation and Recovery Act (RCRA) eight (8) metals, volatile organics (Environmental Protection Agency [EPA] Method 8240), and semi-volatile organics (EPA Method 8270). Soil borings were drilled on June 16 and June 30, 1992.

Monitor wells were drilled by Professional Service Industries, Inc.'s (PSI) CME-75 hollowstem auger drill rig to a maximum depth of 27.5 feet (MW-3B) and completed with two-inch diameter, flush-threaded, schedule 40 PVC casing and screen. The monitor wells were sand-packed and completed with a bentonite seal followed by a bentonite/cement slurry mixture to the surface. Soil samples were collected from the monitor well borings at approximately five-foot intervals. In two instances (MW-5 and MW-8) no sample could be submitted for laboratory analysis due to poor sample recovery. The soil samples that were submitted for laboratory analyses were analyzed for the same parameters as discussed above. Monitor wells were drilled under the supervision of Dames & Moore staff between June 17 and June 18, 1992. Ground water samples were collected from the monitor wells and analyzed for volatile halogenated and aromatic hydrocarbons plus methyl-tertiary butyl-ether (MTBE).

Lithologic logs, produced from drill data at the site, reveal that the vadose zone is comprised of an interbedded mixture of sediments. The upper sediments consist of clay- to silt-size particles which coarsen downward to coarser, fine- to medium-grained sands. Below approximately four to five feet below surface grade to below the water table, medium-grained sands interbedded with gravels are most prevalent. Sand units coarsen with depth to water. Ground water was encountered between 9 and 10 feet across the site. Soil Samples collected from the UST system excavation were analyzed using EPA Method 8015 (modified) for total petroleum hydrocarbons (TPH). Soil boring and monitor well soil samples were tested for BTEX and TAH concentrations via EPA Method 8020. Ground water samples were analyzed via EPA Method 601/602 plus MTBE. All soil samples, with the exception of those collected from SB-10 and SB-11, were submitted to Hall Environmental Analysis Laboratory (Hall). Soil samples from SB-10, SB-11, and all ground water samples were shipped to Analytical Technologies, Inc. (ATI), for analysis.

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ыт , Laboratory analysis results for soil samples collected from the UST system excavation revealed hydrocarbon constituents in two discreet areas. The first area being the eastern side of the UST excavation pit (SL-4, SL5, and SL-6). The highest TPH concentration was found in SL-6 at 19,000 parts per million (ppm) of TPH. A second area of concern was initially the two eastern pump islands. Laboratory analyses of soil sample SL-8 revealed a TPH concentration of 3,400 ppm. Sample SL-8 was collected at a depth of 1 foot below grade and represents surface conditions. Three (3) soil borings (SB-1, SB-2, and SB-3) were drilled in this vicinity. However, analytical results indicated that all of the soil samples were far less than the USTR maximum contaminant concentration limit (Section 1209 D.[3][a]) of 50 ppm TAH for gasoline. No soil boring samples exceeded this regulatory limit.

Monitor well soil sample analytical results revealed only one sample (MW-6; 10-foot depth interval) which exceeded the aforementioned standard of 50 ppm TAH. The sample was collected from the capillary fringe at depth of 10 feet. A sample taken from a depth of 5 feet in MW-6 was non-detect for the same contaminants. A ground water flow direction to the north-northeast is presumed at this time. It is probable that this contamination is associated with the migration of hydrocarbon contaminants in ground water from the UST excavation pit upgradient.

Ground water contamination which exceeded the New Mexico Water Quality Control Commission (WQCC) standards was discovered in three monitor wells (MW3-A, MW-6, and MW-7). Monitor well MW-3A was not sampled but contained approximately 1/4-inch of free product. Monitor wells MW-6 and MW-7 had concentrations of benzene quantified at 64 parts per billion (ppb) and 34 ppb respectively. In addition monitor well MW-6 had a concentration of 1,400 ppb for total xylenes which is in excess of the state's maximum contaminant limit. Analyses of all ground water samples showed no detectable concentrations of halogenated (chlorinated) hydrocarbons.

## **EXECUTIVE SUMMARY**

Dames & Moore, Inc. (Dames & Moore), performed a hydrogeologic investigation of the Atomic Gasoline Company's (AGC) Casa Grande Chevron service station facility located at 2501 Central Ave. NW in Albuquerque, New Mexico. This investigation was initiated as a result of the discovery of benzene in ground water from monitor well MW-7, which was in excess of the New Mexico Water Quality Control Commission (WQCC) standard of 10 parts per billion (ppb). Dissolved phase gasoline contaminants were the result of a release from the former underground storage tank (UST) system. The release was confirmed during the removal of the USTs on June 11, 1992.

Field activities associated with the hydrogeologic investigation were completed on September 30, 1992. The investigation included the installation of three off-site ground water monitor wells, development of the monitor wells, collection of ground water samples from all new and existing monitor wells (12) for laboratory analysis, compilation of water level data from monitor wells, and preparation of the Hydrogeologic Investigation report pursuant to the New Mexico Environmental Improvement Board/Underground Storage Tank Regulations (USTR), Part XII, Section 1210 <u>HYDROGEOLOGIC INVESTIGATION</u>.

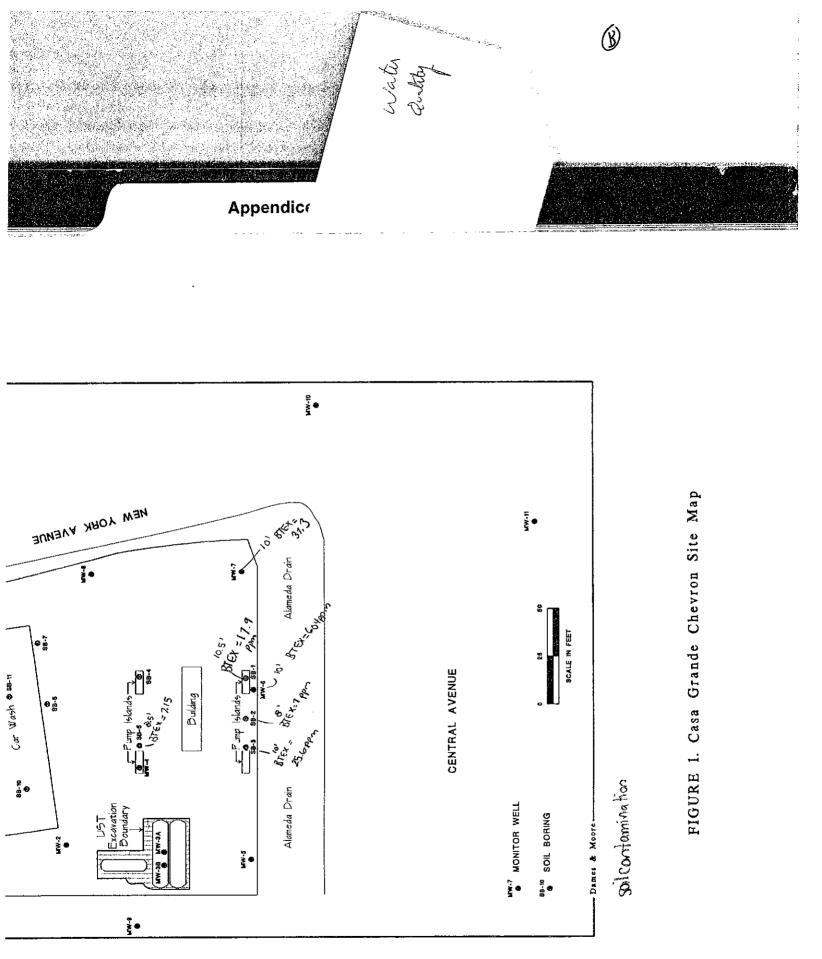
Monitor wells were drilled by Professional Service Industries, Inc.'s (PSI) CME-75 hollowstem auger drill rig to a maximum depth of 17.5 feet (MW-10 and MW-11) and completed with twoinch diameter, flush-threaded, schedule 40 PVC casing and screen (0.01" slot). The monitor wells were sand-packed and completed with a bentonite seal followed by a bentonite/cement slurry mixture to the surface. Monitor well construction summaries are presented in Appendix A of this report.

Soil samples were collected from the monitor well borings at approximately five-foot intervals and analyzed via the Headspace Field Method as outlined in the USTR Appendix C. The highest headspace reading observed was 4.91 parts per million (ppm) found in the three- to five-foot sample in MW-9, which is far less than the USTR maximum contaminant concentration limit (Section 1209 D.[3][a]) of 100 ppm TAH for gasoline utilizing the Headspace Field Method. Headspace readings for all soil samples are presented with the lithologic logs in Appendix A of this report. Monitor wells were drilled under the supervision of a Dames & Moore senior hydrogeologist on September 23, 1992.

Lithologic logs, produced from drill data at the site, reveal that the vadose zone is comprised of an interbedded mixture of sediments. The upper sediments consist of clay- to silt-size particles and fine-grained sands. The lithology coarsens downward to coarser, fine- to medium-grained sands which contain some gravel interbeds. Ground water in the new monitor wells was encountered between 10 and 11 feet.

Ground water samples were collected from all the monitor wells and analyzed for volatile aromatic hydrocarbons plus methyl-tertiary butyl-ether (MTBE). Ground water samples were analyzed via EPA Method 602 plus MTBE. In addition, wells MW-3A, MW-3B, and MW-6 were also analyzed for dibromoethane (EDB) down to a 0.05 ppb laboratory detection limit. All ground water samples were transported directly to Analytical Technologies, Inc. (ATI), for analyses. Laboratory results for ground water samples are presented in Appendix B. No ground water contamination which exceeds the WQCC standards was discovered in any of the samples submitted for analyses. Previously, MW-6 and MW-7 had benzene concentrations above the WQCC standard of 10 ppb but no benzene was quantafied above the detection limit in the samples from the September 30 sampling event. Only MW-3A had any detectable concentration of benzene (1.8 ppb) and had no phase separated hydrocarbons (free product). The total xylenes concentration in MW-6, which previously exceeded the regulatory standard of 620 ppb, has also decreased significantly to only 45 ppb. MW-7 had the greatest concentration of organic contaminants with ethlybenzene at 620 ppb and total xylenes at 300 ppb. No EDB was quantified at 0.05 ppb.

The apparent source of dissolved phase ground water contamination at the Casa Grande Chevron site was residual hydrocarbon compounds adsorbed in the soil surrounding the former UST system. Since this secondary source of contamination was removed down to ground water during UST excavation, dissolved phase contamination has decreased significantly. Therefore, Dames & Moore recommends a program of quarterly ground water monitoring as outlined in the USTR Part XII, Section 1219. Monitoring would be performed for benzene, toluene, ethylbenzene, and total xylenes (BTEX).



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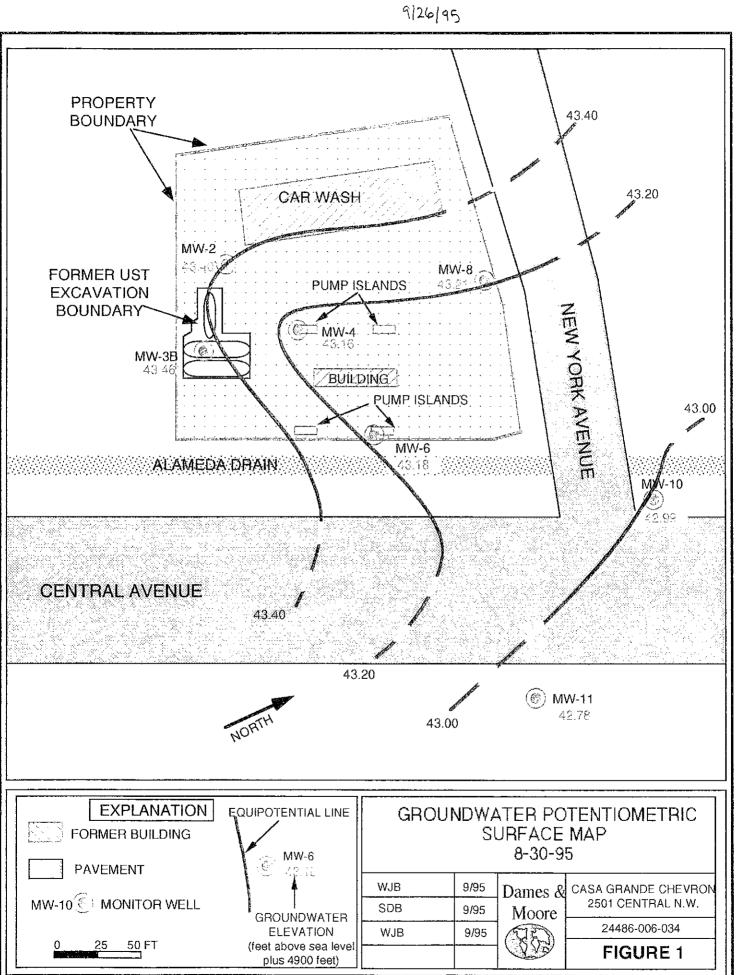
WELL NO.	BENZ	ENE	tolu	ENE	ETHYLBI		XYLE		MTE	<2.5	NA
MW-1	<0.5*	<0.5	<0.5*	0.8	<0.5*	<0.5	<0.5*	<0.5			
MW-2	<0.5*	<0.5	<0.5*	<0.5	<0.5*	<0.5	<0.5*	<0.5	<1.0*	<2.5	NA
MW-3A	FP	1.8	FP	<0.5	FP	9.5	FP	18	FP	<2.5	<0.01
MW-3B	<0.5*	<0.5	<0.5*	<0.5	<0.5*	<0.5	2.7*	<0.5	<1.0*	<2.5	<0.01
	2.7*	<0.5	1.7*	<0.5	2.6*	0.6	1.5*	<0.5	2.1*	<2.5	NA
MW-4	<0.5*	<0.5	<0.5*	<0.5	<0.5*	<0.5	<0.5*	<0.5	<1.0*	<2.5	NA
MW-5			49*	<0.5	490*	31	1400*	45	<50.0*	<2.5	<0.01
<u>MW-6</u>	64*	<0.5	24*	<2.5	600*	620	290*	300	<20.0*	<12	NA
<u>MW-7</u>	34*	<2.5			<0.5*	<0.5	<0.5*	<0.5	<1.0*	<2.5	NA
MW-8	<0.5*	<0.5	<0.5*			·	<u> </u>	<u> </u>	<2.	<u></u>	NA
MW-9	<0	).5	<0.5		<0.5		<0.5		<2.5		NA
MW-10	<(	).5	<0.5		<0.5		<0.5				NA.
MW-11	<(	).5	<0.5		<0.5		<0.5		<2.5		
WQCC STDS.		10	750		7	750 620		100		0.1	
	tes Prev					June 24	, 1992,	Sampling	g Event		

TABLE I - MONITOR WELL ANALYTICAL RESULTS

B

Analytical results indicate that no off-site hydrocarbon contamination is associated with this site. All BTEX and MTBE concentrations were non-detectable at the PQL in the off-site monitor wells (MW-9, MW-10, and MW-11). MW-7 had the greatest concentration of organic contaminants with ethlybenzene at 620 ppb and total xylenes at 300 ppb. These concentrations are relatively unchanged since the June 24, 1992, sampling event.

The dramatic decrease in contaminant concentrations can be attributed to four circumstances at the site. The first, decommission of the facility, has prevented any further primary leak events, such as overfills, spills, or releases from the UST system from occurring. Next, a secondary source of dissolved phase contamination has been removed. Hydrocarbon contaminated soil associated with the USTs was excavated down to the water table during the tank removal process. Contaminated soil was transported to AGC's Nine Mile Hill facility. Third, hydrogeologic data suggest that locally, a relatively large volume of ground water per unit of time, migrates through the area due to the site's proximity to the Rio Grande and the Alameda drain. This factor could allow for a high degree of natural flushing of any dissolved phase contaminants present at the site. Finally, the high flowthrough rate contributes a plentiful source of oxygenated water necessary for natural biodegradation to transpire.



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		ASA GRANDI	Y MONITO	RING WELLS	<b>i</b>	
	DATE	BENZENE	TOLUENE	E-BENZENE	XYLENES	MTBE
WQCC		10	750	750	620	100
STANDARDS			100	700		
JIANDANDO						
MW-3A	07-12-93	1.4	<0.5	0.6	1.2	<2.5
MW-3A	10-20-93	0.9	<0.5	<0.5	<0.5	<2.5
MW-3A	03-02-94		APLE - WELL DES			
MW-3B	03-02-94	<0.5	<0.5	<0.5	<0.5	<2.5
MW-3B	06-24-94	<0.5	<0.5	<0.5	<0.5	<2.5
MW-3B	11-04-94	<0.5	<0.5	<0.5	<0.5	<2.5
MW-3B	01-20-95	<0.5	<0.5	<0.5	<0.5	<2.5
MW-3B	05-18-95	<0.5	<0.5	<0.5	<0.5	<2.5
MW-3B	08-30-95	<0.5	<0.5	<0.5	<0.5	<2.5
MW-6	07-12-93	3.2	1.0	20.0	34.0	<2.5
MW-6	10-20-93	2.6	<0.5	34.0	44.0	<2.5
MW-6	03-02-94	2.0	<0.5	13.0	15.0	<2.5
MW-6	06-24-94	<0.5	<0.5	1.5	1.5	<2.5
MW-6	11-04-94	<0.5	1.7	2.7	5.0	<2.5
MW-6	01-20-95	<0.5	5.1	8.5	14.0	<2.5
MW-6	05-18-95	2.6	2.1	6.5	26.0	<2.5
MW-6	08-30-95	1.6	0.9	5.2	7.7	<2.5
MW-7	07-12-93	4.1	2.1	96.0	36.0	8.3
MW-7	10-20-93	3.3	1.2	220.0	86.0	<2.5
MW-7	03-02-94	UNABLE TO SAM				
MW-8	03-02-94	<0.5	<0.5	<0.5	<0.5	<2.5
MW-8	06-24-94	<0.5	<0.5	<0.5	<0.5	<2.5
MW-8	11-04-94	<0.5	<0.5	<0.5	<0.5	<2.5
<u>MW-8</u>	01-20-95	<0.5	<0.5	<0.5	<0.5	<2.5
MW-8	05-18-95	<0.5	<0.5	<0.5	<0.5	<2.5
<u>MW-8</u>	08-30-95	<0.5	<0.5	<0.5	<0.5	<2.5
MW-10	07-12-93	<0.5	- <0.5	<0.5	<0.5	<2.5
MW-10	10-20-93	<0.5	<0.5	<0.5	<0.5	<2.5
MW-10	03-02-94	<0.5	<0.5	<0.5	<0.5	<2.5
MW-10	06-24-94	<0.5	<0.5	<0.5	<0.5	<2.5
MW-10	11-04-94	<0.5	<0.5	<0.5	<0.5	<2.5
MW-10	01-20-95	<0.5	<0.5	<0.5	<0.5	<2.5
WW-10	05-18-95	<0.5	<0.5	<0.5	<0.5	<2.5
MW-10	08-30-95	<0.5	<0.5	<0.5	<0.5	<2.5
RIP BLANK	10-20-93	<0.5	<0.5	<0.5	<0.5	<2.5
TRIP BLANK	06-24-94	<0.5	<0.5	<0.5	<0.5	<2.5
RIP BLANK	11-04-94	<0.5	<0.5	<0.5	<0.5	<2.5
TRIP BLANK	01-20-95	<0.5	<0.5	<0.5	<0.5	<2.5
TRIP BLANK	05-18-95	<0.5	<0.5	<0.5	<0.5	<2.5
RIP BLANK	08-30-95	<0.5	<0.5	<0.5	<0.5	<2.5

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GARY E. JOHNSON GOVERNOR State of New Mexico ENVIRONMENT DEPARTMENT Underground Storage Tank Bureau District I Office 4131 Montgomery, NE Albuquerque, New Mexico 87109 (505) 841-9459

MARK E. WEIDLER SECRETARY

EDGAR T. THORNTON, III DEPUTY SECRETARY

April 2, 1997

N. Sean Grossetete Ever-Ready Oil Company P.O. Box 25845 Albuquerque, New Mexico 87125-5845

## RE: NO FURTHER ACTION STATUS FOR FORMER CASA GRANDE FACILITY, 2501 CENTRAL S.W., ALBUQUERQUE, NEW MEXICO

FACILITY # 6757006

Dear Mr. Grossetete:

The New Mexico Environment Department (Department) has received a report dated February 8, 1996, submitted on your behalf by Dames & Moore, Inc., describing abandonment of all remaining monitoring wells at the referenced facility.

The Department has evaluated a "No Further Action" status, based upon the following information provided by Dames & Moore, Inc. in documentation relating to this facility:

- Petroleum hydrocarbon impacts above the New Mexico Underground Storage Tank Regulations (USTR) §1209 standard of 100 parts per million (ppm) total aromatic hydrocarbons (TAH), based on field headspace measurement, existed in a vapor phase underlying the former southwest pump island and beneath the former Underground Storage Tank (UST) pit area. Laboratory analyses from a minimum of 1 soil sample per boring in the qasoline hydrocarbon analyzed for were same areas contamination by appropriate laboratory methods, and the analytical results were below the USTR §1209 standards of 50 ppm TAH and 10 ppm benzene.
- The "On-Site Investigation Report" documents that most of the contaminated soil, evidenced by field headspace measurements exceeding 100 ppm, that existed in the former UST pit area was subsequently removed from this site.
- On-site and hydrogeologic investigations at this facility determined the horizontal and vertical extent of soil and ground water contamination pursuant to USTR §1205, 1206 and 1210.

- Quarterly ground water monitoring indicates that water quality has been below the USTR §1219.A and the New Mexico Water Quality Control Commission regulatory standards for tested petroleum hydrocarbon contaminants for 8 consecutive quarters.

Therefore corrective action at this site meets the USTR § 1209 and 1219 requirements and the Department has determined that this site no longer poses an immediate public health or environmental threat for the following reasons:

- Remaining vapor phase contamination in soil is restricted to the former UST pit and former southwest pump island areas and does not threaten to contaminate ground water or surface water.
- Two USTs and contaminated soil were removed from this location thereby removing a potential source for future contamination.
- The former facility has been demolished and the ground surface is completely covered by asphalt which removes a potential for leaching petroleum hydrocarbon contaminants into ground water.
- Depth to ground water is approximately 10 feet below ground surface and sampling results indicate that petroleum hydrocarbon contaminants are not currently present in the ground water underlying this facility.

Therefore, the Department is not requiring additional work at this time. However, the Department does reserve the right to require additional work in the future should information become available which indicates that a threat to public health or the environment exists.

Again, thank you for your cooperation in this matter.

Sincerely, Kalvin W. Martin Geologist II Underground Storage Tank Bureau

cc: William J. Brown, Dames & Moore, Inc. Steve Huddleson, Manager, NMED USTB Remedial Action Program Anna Richards, NMED USTB Steven Voet, Manager, NMED USTB Financial Management Section Dan Vigil, Acting Manager, NMED District I, Albuquerque

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NM Environment Department Underground Storage Tank Bureau Prevention/Inspection Section P.O. Box 26110 Santa Fe, New Mexico 87502-6110 (505) 827-0216

**INSPECTION REPORT** 

Page 1 of two pages

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## New Mexico Underground Storage Tank Bureau INSPECTION REPORT

Page 2 of two pages

		Yes	No	Unk.	N/A	
	All applicable tanks on site are registered1	X				
2.	Proper notification was made for the following: 2,					
	a. Closure	X				
	b. Installation b.				X	
	c. Modification				X	n an an Arabana An Arabana Maria an Arabana an Arabana
	d. Repair.				X	
3.	Tanks closed properly.	Å				
4.	Tanks installed properly.			X		
5.	Tanks repaired/modified properly. 5.				X	
6.	Release detection — tanks. 6.	X				
7.	Release detection — piping.	Å				
8.	Record keeping: 8.					
	a. Cathodic protection monitoring.	4- 7- 1 4- 7- 1	X			
	b. Impressed current monitoring. b.		X			
	c. Tank tightness test.	X				
	d. Line tightness test.	X				
	e, Line leak detector test. e.			X		
	f. Release detection performance claims, tests.			<u> </u>		
	g. Release detection sampling/testing results. 9-	5. 1997. Start 1997.		X		
	h. Inventory records. h.	X				
<u>.</u>	i. Permanent closure records	X				
53) 	j. Proof of financial responsibility		-5 <sup>2</sup> -52			
<u>୍</u> ୟୁ	Evidence of release/spill. 9.		X			
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NM Environment Department Sec. 23-Underground Storage Tank Bureau **INSPECTION REPORT** 5, ----Prevention/Inspection Section P.O. Box 26110 Page 1 of two pages Santa Fe, New Mexico 87502-6110 (505) 827-0216 DATE CASE NUMBER **OPENING CONFERENCE TIME** 4:300-INSPECTION TYPI COMPLIANCE TANK CLOSURE C REPAIR D MODIFICATION **D** REINSPECTION D INSTALLATION COMPLAINT Facility Na Facility No. Fat 711 Faith Phone No 1 rentorical Ina. 24 NEW Addre ZIP Code Pax 94thank Owner N to a sten Services Owner No. Phone No 2. 1/64 Address ZIP Co 1801 44 51. NW Facility Phone No 3 Address ZIP Code Contractor Name Installer No. Phone No. 6224 4 7441-3556 Address ZIP Code ale 1998 INSTALLATION TANK PIPING TANK RELEASE PIPING RELEASE TANK Tank No. CONSTRUCTION S.T.D SIZE CONTENTS DATE CONSTRUCTION DETECTION DETECTION STATUS Vall 19505 CLOUR 1 4.000 None None nu ÷ .; PL VHOC МАР ITE' N DISTRIBUTION WHITE USTB 6. CANARY - Operator

GOLDENROD -Owner

裁量联合 建铁合金 网络鼓动小学 化加强化学 化自己的原因 法保持的 医白色素性结合 人口 化二乙二烯基苯甲酸 化分子分子		Yε	s No	Unk	N/A	
			X			
All applicable tanks on site are registered.	2					
Proper notification was made.		X				에 날 소리했다. 산소산 전문 전
; Tanks closed properly.					X	
Tanks installed properly.	4					
. Tanks repaired/modified properly.	5	Δ				
Release detection - tanks.	6				X	
7. Release detection - piping	7				X	
3. Record keeping.	8					
A. Cathodic protection monitoring.	Δ				<u> </u>	
3. Tank tightness test	E				X	
2. Line tightness test.	6				<b>X</b>	
D. Line leak detector test.	<u> </u>					
E. Release detection performance claims, tests	E				2	
E Release detection sampling/testing results.	F					
G. Inventory records					 X	
H. Permanent closure records			<u> </u>			
Proof of financial responsibility	<u></u>			<u> </u>		
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Rail Spur Area, Remediation Completion Report, Ponderosa Products, Inc. site, Tetra Techt, Mar. 27,09 Ast Ir to 2ft bgs Gremoual action completed in March 2009 La ~1400 tons, confirmation samples

# Appendix H Qualifications of Environmental Professionals



# Years of Experience: 16

Years of Service with INTERA: 16

# SUMMARY

Ms. Biggs has 16 years experience in computer graphics. She utilizes drawing, GIS, spreadsheet, data visualization, photo production, and desktop publishing packages to provide computer graphic support for the preparation of report, marketing, and technical presentation materials. Her graphics expertise includes using ArcMap, AutoCad Map, Freehand, Microsoft Office, GeoGraphics, Terrain Navigator Pro, Photoshop, Grapher, Surfer, Erdas Imagine, and Pagemaker to produce site maps, site overviews, data renderings, complex graphs and tables, site and activity photo montages, and marketing materials such as overhead/slide presentations, brochures, and flyers.

# EDUCATION

Computer Design / Production Certificate The Art Center, Albuquerque, NM, 1991

# **PROFESSIONAL HISTORY**

Graphics Technician INTERA Inc. (DE&S from 1995–2001), Albuquerque, NM

# **PROJECT EXPERIENCE**

*New Mexico State Highway and Transportation Department, Cliff, NM* – Assisted in the development of figures which included site maps, analytical results, contour maps, borelogs, and schematic drawings.

*New Mexico State Highway and Transportation Department, Santa Clara, NM* – AutoCad produced figures of site maps, analytical results, and contour maps for site characterization and remediation services.

*Quarterly Monitoring at Nine Leaking Underground Storage Tank Sites in Northern NM* – Prepared AutoCad maps from quarterly monitoring of District II (Northern NM) Leaking UST Sites, a contract awarded to INTERA, Inc. by the New Mexico Environment Department Underground Storage Tank Bureau. The maps produced from sampling events are data analysis and potentiometric plots (output from Surfer into AutoCad).

*Parson Brinckerhoff Quade & Douglas, Inc. (PB)* – Created Initial Site Assessment Report figures for two New Mexico Rail Runner proposed alignments. Included with site maps were historical images and topographic maps georeferenced using ArcMap to show historical use of the proposed alignments.

*United Nuclear Corporation (UNC)* – Preparation of figures for multiple Stage 1 Abatement Plans for New Mexico mining sites. Figures include site maps, contour maps, data profiles, graphs and stiff diagrams.

1991-Present

*City of Albuquerque, Environmental Health Department* – Preparation of ArcMap figures for multiple former landfill sites owned/operated by the City of Albuquerque. Figures include parcel ownership, utility locations, sampling locations, and sampling results. Other figures included historical aerial maps, graphs developed from collected field data, and borehole logs for installed wells.

*New Mexico Oil Conservation Division, Former Araho Well Injection Disposal Facility, Lovington, New Mexico* – Generated numerous report figures including analytical results, contour maps, excavation cross-sections, and borelog details. Utilized software packages such as Autocad, ArcMap, Surfer, GeoGraphics, and Excel.

Sandia National Laboratories / NM – Prepared data analysis figures, well schematics, site geologic cross-sections, flow diagrams, process flow models, and additional figures for numerous SNL/NM Chemical Waste Landfill Quarterly Monitoring, Voluntary Corrective Measures, Waste Management Plan, Closure Modification Plans, and other reports and documents related to SNL/CWL. Prepared illustrations, figures, and tables for SNL/NM Site-Wide project. Prepared posters for internal and client use. Produced numerous Grapher data plots of hydraulic tests conducted at the Waste Isolation Pilot Plant in southeastern New Mexico (report SAND98-2537).

*New Mexico Department of Health, Public Health Division, Border Health Office* – Developed ArcView projects for environmental health profiles on six counties in New Mexico. Maps were developed using data collected from regional water quality databases and community water system information. Assisted in the development of community reports, based on the health profile reports, for use by the general public.

*Two Rivers Ranch* – Assisted in the development of ArcView exhibit maps for litigation. Maps produced included point locations, model grids, geology, model output results, and boundaries. Information was overlayed on to relief and topographic maps.

*Peru Hill Mill Brownfields Project, Deming, NM* – Produced ArcView figures showing sample points, analytical results, contours, and boundary locations. Figures developed in other software were borelogs, maps, and sampling grids.

*North Railroad Avenue Plume Site Superfund Project, Española, NM* – Assisted in the preparation of numerous reports by developing and editing figures in AutoCad and drawing software packages. Developed posters and a web site figure for the client.

*L-Bar Uranium Mine and Mill* – Developed an ArcView coverage map that correlates multiple surveys as well as, maps showing mining details developed from previous maps and GPS located points.

*Jemez y Sangre Water Planning Council, Sangre de Cristo Water* – Assisted in the preparation of ArcView maps using State of New Mexico database for illustrating geology, hydrology, and land use patterns in the surrounding area of the City of Santa Fe. Information developed was used in a regional water plan.



Ms. Romesser is a staff scientist with more than three years of experience in the environmental industry. She has performed duties including project planning, budgeting, implementation and reporting, as well as taking responsibility for collecting, organizing, analyzing and reporting pertinent data in various official, commercial, and governmental agency client documents and reports. Ms. Romesser has served in various capacities including field team leader, rig geologist, project geologist, groundwater engineer/hydrologist, and health and safety officer on projects involving the investigation and characterization of surface and subsurface contamination. These projects have been completed for clients that include the Massachusetts Department of Environmental Protection, New Hampshire Department of Environmental Services, Irving Oil, Massachusetts Electric Company, CVS Pharmacy, Ashland Chemicals, as well as various commercial and private clients. Work has been performed on sites where contaminants of concern include petroleum constituents, chlorinated solvents, metals, and polychlorinated biphenyls.

Ms. Romesser is proficient in the use of the Microsoft Office suite of products as well as familiar with HEC-RAS, ArcGIS 9.1, ArcHydro, HEC-HMS, Brook90, and Surfer.

## **RELEVANT PROJECT EXPERIENCE**

**Phase I and II Environmental Site Assessments, Locations throughout the East Coast and New Mexico, 2006-present-***Project Geologist.* Completed over 40 Phase I ESAs on subject properties which included residential homes, gas stations, dry

#### **Education**

MS, Hydrology, University of New Hampshire, 2005

BS, Hydrology, University of California at Davis, 2003

Continuing Education/Training OSHA 40 hr HAZWOPER

Loss Prevention System Training

First Aid/CPR

**Professional Employment History** 

9/2009-present: INTERA Incorporated

12/2008-8/2009 Geomega

1/2006-11/2008 Ransom Environmental Consultant, Inc.

cleaners, marinas, and commercial and industrial buildings. Provided oversight of over 20 Phase II LSIs in response to recognized environmental conditions addressed in Phase I ESAs.

**Shoreham Yard, Minneapolis, MN, 2008-2009–** *Groundwater Engineer/Hydrologist.* Responsible for collecting, analyzing, and reporting data for multiple site remediation systems (SVE, LNAPL recovery, in-site bioremediation, pump and treat, and MNA). Provided analysis of site VOC data to determine the efficacy of the bioremediation system, performed O&M on the system, and designed and completed bioremediation injection rounds. Duties included calculating mass removals; soil and groundwater sampling; drilling oversight (sonic drilling); data compilation (potentiometric surface elevation maps, contaminant distribution maps, database pre-processing); providing peer review of documents; and developing technical reports.

Wheelock College, Boston, MA, 2008– Project Geologist. Responsible for O&M on a Magnum Spill Buster LNAPL recovery system and completed monthly LNAPL recovery activities from multiple on-site wells. Completed a full rehabilitation on the recovery system which included replacing and rewiring the control box and associated recovery pump. Additional responsibilities included drilling oversight (direct push); lithologic logging; soil and low-flow groundwater sampling; shallow well installation and development; groundwater monitoring (depth to water, pH, temperature, specific conductivity, dissolved oxygen, oxidation/reduction potential, and turbidity); LNAPL baildown response tests; surveying; slug testing; data compilation (potentiametric surface elevation maps, contaminant distribution maps, cross-sectional maps, and analytical results); and developing technical results.

*Irving Gas Station, Salem, MA, 2007– Project Geologist.* Oversaw the construction of an Irving Gas Station on a site that was contaminated with PCBs and lead. Responsible for the creation and implementation of the site-specific health and safety plan and soil management plan; drilling oversight (direct push); soil sampling; data compilation; and developing technical reports. Spent six months overseeing excavation and construction activities directing the separation of lead contaminated soil and PCB contaminated soil. Performed waste characterization sampling, coordinated the off-site disposal of over 10,000 cu yards of contaminated soil.

**GI Plastek, Newburyport, MA, 2006-2008–** *Project Geologist.* Responsible for conducting O&M activities on a pump and treat system for chlorinated solvents to prevent contamination from migrating off-site. Completed a full rehabilitation on the treatment system; which included overseeing the redevelopment of the recovery well and replacing and wiring a new Grundfos Redi Flo 4 pump and associated tubing. Performed low-flow groundwater monitoring activities (depth to water, pH, temperature, specific conductivity, dissolved oxygen, oxidation/reduction potential, and turbidity) and data compilation (potentiometric surface elevation maps, contaminant distribution maps, and analytical results). Completed monthly influent, effluent, and mid-point sampling to observe breakthrough of the GAC vessels and calculate the total mass removed based on these sampling results. Generated monthly NPDES reports as well as semi-annual reports for the state.

**Brickstone Square, Andover, MA, 2006-2008**– Project Geologist. Field team lead for a chlorinated solvent bedrock contaminated site. Designed, completed, and analyzed a short-term pump test to assist in remediation efforts. Responsible for maintaining and rehabbing the site's dedicated bladder pumps, semi-annual low-flow sampling and reporting of over 30 wells; groundwater monitoring (depth to water, pH, temperature, specific conductivity, dissolved oxygen, oxidation/reduction potential, turbidity, and CSIA samples); data



compilation (potentiometric surface elevation maps, contaminant distribution maps, and analytical results); and developing technical reports.

Emergency Response, Site Investigations, and Clean-up for the Massachusetts Electric Company, Locations throughout Massachusetts, 2006-2008– Project Geologist. Responsibilities included being part of a 24-hour emergency response team that responded to oil spills for National Grid, completing site investigations to determine the nature and extent of the spill, and performing remediation/clean-up activities. The oil spills (mineral oil, transformer oil, and transformer oil with PCBs) included pole-mounted transformers, pad-mounted transformers, underground electric lines, and transformer stations. Provided oversight of clean-up at the time of the spill through overseeing excavation activities (vactor trucks and excavators) and determining the limits of the excavation using Dexil petroFLAG kits. Oversaw future clean-up through excavations, LNAPL recovery, and in-situ chemical oxidation.

Site Investigations, Locations throughout the East Coast, 2006-2008– Project Geologist. Completed site investigations to determine the nature and extent of contamination on sites which included gas stations, greenhouses, schools, underground utilities, landfills, dry cleaners, marinas, among others. Contaminants of concern included petroleum constituents, LNAPL (gasoline, No. 2, 4, 6 fuel oil, and mineral/transformer oil), chlorinated solvents, PCBs (in soil, concrete, and caulking), and metals. Responsibilities included the creation and implementation of site-specific health and safety plans; providing drilling oversight (direct push technology, hollow-stem auger, sonic, and drive and wash); lithologic logging; soil and groundwater sampling (peristaltic pumps and bladder pumps); monitoring well installation and development; groundwater monitoring (depth to water, pH, temperature, specific conductivity, dissolved oxygen, oxidation/reduction potential, and turbidity); slug testing; and surveying .

**Underground Storage Tank Removal, Locations throughout the East Coast, 2006-2008–** *Project Geologist.* Provided oversight of over fifteen UST removal. Responsibilities included overseeing the removal of USTs according to State regulations and performing confirmatory sampling to confirm that contamination was not encountered during removal activities. If contamination was encountered than excavation occurred until state regulatory cleanup goals were met.



Years of Experience: 14

Years of Service with INTERA: 9

## SUMMARY

Mr. Tracy has more than 14 years of experience in the environmental consulting field serving both private sector and municipal clients with environmental projects involving impacts to surface and subsurface soils, surface water, and ground water. Types of environmental impacts investigated and remediated include contamination by such constituents as heavy metals, solvents, pesticides, petroleum hydrocarbons, and hazardous wastes. Mr. Tracy has provided oversight of the installation of over two hundred soil boring/groundwater monitoring wells using hollow-stem auger, direct push (Geoprobe®), air rotary, mud rotary, and cable-tool drilling equipment. Mr. Tracy has an extensive background in project management including underground storage tank (UST) investigations and voluntary remediation plan development and implementation. Mr. Tracy's primary focus for the last five years has been Brownfields site characterization. He has written numerous Phase I Environmental Site Assessment (ESA), reports, work plans, and Quality Assurance Project Plans (QAPP) for various Brownfields sites located throughout the State of New Mexico. Mr. Tracy assists with local marketing efforts and client development in INTERA's Albuquerque office.

# EDUCATION/TRAINING

BS, Environmental Geology, Ohio University, 1993
OSHA (29CFR 1910.120) 40 Hour Health and Safety Training
OSHA (29CFR 1910.120) 8 Hour Annual Training
DOT HM 126 (49CFR 172.700) Hazardous Material Transportation Training
Ohio Bureau of Underground Storage Tank Regulations 32 Hour Installation/Removal Training
Confined Space Entry (29CFR 1910.140) Training
National Ground Water Association - Fate and Transport of Light Non-Aqueous Phase Liquids./Dense Non-Aqueous Phase Liquids (LNAPLs/DNAPLs ) Training
Asbestos Inspector and Management Planner (Toxic Substance Control Act [TSCA] Sec. 206, Title II) Training
Asbestos Contractor Supervisor (TSCA Title II and AHERA) Training
Red Cross First Aid/CPR Training

# PROFESSIONAL AFFILIATIONS/CERTIFICATIONS

- Registered Professional Geologist No. 38741, Arizona
- Professional Geologist No. TN4417, Tennessee
- Registered Environmental Assessor I (REA I) No. 07633, California
- State of Ohio Certified Underground Storage Tank Installer/Remover No. 10-98-2922, 1998
- Radiation Safety and Nuclear Density Gauge Operator Certification

# EXPERIENCE

# *Geologist/Project Manager* INTERA (operated as Duke Engineering & Services 1995 – 2001)

Responsible for project management, planning, and performing environmental site characterization and report preparation for Federal/State/Local Government Agencies and private sector clients. Primary clients served include the New Mexico Environment Department (NMED), the City of Albuquerque (COA), Santa Fe County, the Incorporated County of Los Alamos, and the law firm Montgomery & Andrews.

## *Environmental Specialist* GeoTek Insite, Inc.

Responsible for conducting and preparing Phase I and Phase II Environmental Site Assessments for several real estate multi-site development portfolios. Supervised marketing efforts for GeoTek in the Albuquerque area and surrounding New Mexico region.

#### Staff Geologist Professional Service Industries, Inc. (PSI)

Responsible for conducting and preparing Phase I and Phase II Environmental Site Assessments for local government agencies and private sector clients. Developed and supervised the PSI Leaking Underground Storage Tank (LUST) assessment and remediation program for the northern Ohio area.

# *Staff Geologist* Terranext, Inc.

Responsible for conducting Phase II and supplemental environmental investigations for Federal, State, and Local Government Agencies and private sector clients. Also, provided hazardous waste manifesting and managed hazardous waste transportation and disposal for industrial clients.

# PROJECT EXPERIENCE

# Voluntary Remediation Program Project Experience

**ATSF Railyard, Raton, New Mexico.** Staff Geologist for the advancement of several surface and subsurface soil borings to characterize site soils in a historic Atchison, Topeka, and Santa Fe (ATSF) railyard in Raton, New Mexico. A determination was made was to the approximate area and thickness of the amount of soil fill material present at the Site. This work was conducted for the NMED using Targeted Brownfields Assessment (TBA) funding.

ASARCO Inc. Hop Canyon/Waldo Mill Site, Magdalena, New Mexico. Staff Geologist for the implementation of a Work Plan to characterize a mining mill tailings site in Magdalena, New Mexico. The voluntary remediation activities included characterization and removal of affected soil and construction of an onsite tailings impoundment capped with clean soil. Surface drainage issues included interfacing with the Army Corps of Engineers in order to present erosion of the impoundment cap and surrounding soils. The soil sampling, cap construction, and surface water drainage construction has been completed at the Site.

*Former Peru Hill Mill Site, Deming, New Mexico.* Project manager for the development and implementation of a site characterization work plan for NMED Voluntary Remediation Program (VRP) soil and ground water remediation. Mr. Tracy developed the work plan and wrote the appropriate QAPP for this Site. Mr. Tracy supervised Phase II site characterization activities including surface and subsurface soil sampling, soil boring installation, monitoring well construction, ground water sampling, hazardous waste characterization and disposal, development of a preliminary cap design for tailings

**INTERA** 

05/97-07/99

08/99-03/00

08/94-04/97

04/00-Present

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cover, and assessment for asbestos-containing building materials. The site was previously considered for inclusion on the National Priority or Superfund List. It is a former commercial mill operation and contains known arsenic, lead, and zinc tailings contamination. The City of Deming has applied for inclusion of the site in the VRP and this site has been accepted by NMED. Additional assessment activities conducted at this facility by Mr. Tracy after acceptance of the Site into the VRP consisted of the management of a confirmation soil sampling program after contaminated soil removal actions and also the oversite of a risk assessment (conducted to develop clean-up goals for lead, arsenic, and zinc). Mr. Tracy was additionally tasked with developing the Voluntary Remediation Completion Report (VRCR) for this Site.

*Hyder Property, Albuquerque, New Mexico.* Project Manager for a COA Brownfields Redevelopment site which was a historic dry cleaner facility. The work plan included the execution of a geophysical survey as well as investigative digging investigation in an attempt to find historic underground solvent storage tanks. Investigative excavations were constructed at the Hyder Property and six USTs discovered. Mr. Tracy conducted a Phase II site investigation at the Hyder Property which included the collection of surface soil, subsurface soil, soil gas, and ground water samples. Mr. Tracy wrote a VRCR for this Site and this property has received a Certificate of Completion from the NMED VRP.

*Plaza Del Sol Property, Albuquerque, New Mexico.* Project Manager for a City of Albuquerque Brownfield Redevelopment site which was believed to be impacted by a historic petroleum hydrocarbon release in the local area. Investigation activities included the development of a Phase I ESA (ASTM E1527-00), installation of monitoring wells and ground water sample collection. Soil and ground water sample analysis confirmed contamination was present at the Site and therefore proposed redevelopment activities for the site were postponed.

Former Bell Trading Post Property, Albuquerque, New Mexico Project Manager for a COA Brownfields Redevelopment site which was formerly a jewelry manufacturing facility as well as a photograph development facility. Heavy metals and solvents were formerly in use at this historic facility. Mr. Tracy developed a Work Plan to adequately characterize this facility for ultimate inclusion into the State of New Mexico VRP. The Work Plan implemented included Geoprobe® soil boring installations, subsurface soil sampling, and groundwater sample collection. In addition, Mr. Tracy, on behalf of the COA, supervised a subcontractor conducting a limited asbestos survey at the Bell Trading Post facility building. Mr. Tracy completed the VRP Application for this Site and developed a VRP Work Plan for the remedial work which included an integrated QAPP. The remediation consisted of contaminated soil removal as well as the remediation of asbestos and lead-based paint. This was the first Work Plan/QAPP developed for asbestos/lead-based paint remediation in EPA Region VI. . Mr. Tracy provide oversite of the remediation work and documented the progress on behalf of the COA and its developer, Family Housing Development Corporation (FHDC). Remediation work completed included the cleaning of a substantial amount of pigeon droppings, asbestos and lead-based paint abatement, lead-in-soil removal, and the removal of all light ballasts from the building. Mr. Tracy wrote the VRCR for this facility and helped the COA obtain a Certificate of Completion from the NMED VRP. This facility has been subsequently renovated and has been developed with residential housing units and commercial office space.

*Voluntary Remediation Program Assistance (Brownfields Awareness); Santa Fe, New Mexico.* Project manager for a NMED project to increase awareness of the number of Brownfields sites within New Mexico and the funding assistance available to New Mexico municipalities for Brownfields site investigation and remediation. Project includes extensive file review, database management, and coordination of a conference for public and private sector representatives. Consistent interaction with the Voluntary Remediation Program manager and VRP staff was essential to complete this task.

*Former Phillips Petroleum Facility (Santa Fe Railyard), Santa Fe, New Mexico.* Project Manager for a NMED project in which Mr. Tracy conducted a Phase I ESA (ASTM Standard E1527-00) at a vacant, abandoned former petroleum storage yard. Follow-on activities at this site conducted by Mr. Tracy included a preparation of a VRP application and a preliminary work plan for future site characterization and remediation work. Mr. Tracy was the Project Manager for site characterization activities and wrote the VRP completion report following the completion of sampling activities. The former Phillips Petroleum Facility is proposed to be incorporated into the Santa Fe Railyard VRP site upon receipt of a Certificate of Completion. The VRP Completion Report developed by Mr. Tracy is currently being reviewed by NMED VRP.

*Old Historic Waterworks Property Site, Silver City, New Mexico.* Project manager for an NMED investigation to characterize site for inclusion in the VRP. Site characterization activities included surface soil sampling, soil boring installation, subsurface soil sampling, and ground water sample collection. In addition, and lead-based paint sampling were conducted in the historic building located on the Site. All site characterization activities required extensive interaction with the State Historic Preservation Officer (SHPO).

*Former Hillcrest Hospital Facility, Silver City, New Mexico.* Project manager for the characterization of an abandoned hospital building proposed to be redeveloped as a library. The site characterization included the evaluation of the building for the presence of asbestos and lead-based paint. Additional work included the characterization of site soils for asbestos contamination as well as investigation excavations completed in an effort to find an abandoned UST. Mr. Tracy developed the QAPP to guide the sampling to adequately characterize the facility for the Town of Silver City. This work was conducted by the NMED VRP using TBA funding. Mr. Tracy was the Project Manager for the remediation work which included asbestos and lead-based paint abatement, as well as a clean-up for pigeon droppings. Mr. Tracy developed the integrated Work Plan/QAPP for the remedial efforts and assisted the Town of Silver City in the selection of a remediation contractor. The remediation was successful and the building has since been demolished. The site is currently ready for re-development.

*Former CWE Facility, Albuquerque, New Mexico.* Project Manager for the removal of contaminated soil at the former Central Works Equipment facility in Albuquerque, New Mexico. The project included the removal of approximately 600 cubic yards of lead-contaminated soil previously stockpiled at the site. Mr. Tracy also developed a Work Plan to investigate petroleum-hydrocarbon and metals contamination at this site using Targeted Brownfields Assessment (TBA) funding. The work plan is currently being reviewed by NMED VRP.

# Phase I/II Environmental Site Assessments

*New Mexico Rail Runner Project, New Mexico.* INTERA was retained by Parson Brinckerhoff Quade & Douglas, Inc. (PB) in 2006 to perform Initial Site Assessments (ISA) for phase 2 of the Mid-Region Council of Governments (MRCOG)/New Mexico Department of Transportation (NMDOT) Belen to Santa Fe New Mexico Rail Runner Express Commuter Rail Project. INTERA performed an ISA for the existing Burlington Northern Santa Fe (BNSF) railroad line from Bernalillo to Lamy, New Mexico and an ISA for the proposed commuter rail line from La Bajada Hill to downtown Santa Fe, New Mexico. Mr. Tracy was the designated INTERA Project Manager for each ISA project. The ISA included the assessment of existing railroad lines and facilities (BNSF and Santa Fe Southern [SFS]) as well as several miles of undeveloped ranch land to be constructed with railroad tracks to facilitate commuter rail service between Albuquerque to Santa Fe, New Mexico. Project Management duties included developing and implementing the schedule for the records reviews, field reconnaissance, and report development. Mr. Tracy led field activities for each ISA (the combined assessment length of the two ISA totals over 70

miles) and coordinated with the PB Project Manager, the NMDOT Environmental Geology Section representatives, and NMDOT legal counsel with the draft revisions of each ISA Report.

*City of Albuquerque, Environmental Health Department, Albuquerque, New Mexico.* Project manager for the COA/INTERA landfill gas assessment project. Over 100 landfill gas monitoring wells have been installed to monitor landfill gas migration at five of the COA formerly owned and/or operated solid waste landfills under Mr. Tracy's direction. Mr. Tracy has managed the landfill gas monitoring well installation as well as supervised landfill gas sample collection. Other duties conducted by Mr. Tracy include contract budget tracking, future landfill gas monitoring well siting, and landfill gas sample results interpretation. Mr. Tracy developed the current COA landfill gas well installation report format as well as the format used for the landfill gas monitoring reports. Mr. Tracy is currently working with the COA to develop Landfill Management Plans to guide development on and adjacent to the former landfills.

*City of Albuquerque, Department of Municipal Development, Albuquerque, New Mexico.* Contract manager for the COA Department of Municipal Development On-Call Services contract. Mr. Tracy has performed Phase I and Phase II Assessments for the COA as part of this contract. In addition, Mr. Tracy provides environmental assistance to the COA Department of Municipal Development on an as-needed basis as project environmental issues develop. Environmental issues include extraction well evaluation at the former Los Angeles Landfill, maintenance and monitoring services at the former Los Angeles Landfill, Engineering Evaluation/Cost Analysis for the Hotel La Posada del Albuquerque, and ambient air monitoring within residential houses in the Albuquerque area.

**TLC Cleaners, Belen, New Mexico** Project Manager conducting a Phase I ESA at the former TLC Dry Cleaning facility located in Belen, New Mexico. Mr. Tracy conducted the Phase I ESA to meet the assessment and all appropriate inquiry (AAI) requirements of the ASTM Standard E1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" and the reporting requirements of the NMDOT 1999 Hazardous Waste Assessment Handbook. The Site operated as a dry cleaner under the name "Sunshine Cleaners" from 1987 to 1990 and as TLC Cleaners from approximately 1990 to 1997. NMED conducted a Phase II Site Investigation at the facility and determined that chlorinated solvent contamination was present in subsurface soils and ground water. The Phase I ESA developed by Mr. Tracy recommended additional sampling to delineate the extent of soil and ground water contamination.

Santa Fe County, Phase I Environmental Site Assessment, Mt. Chalchihuitl and Cerrillos Gravel Products Properties, Cerrillos, New Mexico. Project manager for the Phase I Environmental Site Assessment of the combined 745 acre Mt. Chalchihuitl and Cerrillos Gravel Products properties. Assessment activities were conducted according using the EPA all Appropriate Inquiry (AAI) and ASTM Standard E1527-05 as guidance. Mr. Tracy had performed risk assessment and remediation alternative analysis activities at the Mt. Chalchihuitl portion of the site (545 acres) in 2004. The entire site was historically used for mining activities, located at the center of the Cerrillos Mining District South (CMDS) area. Santa Fe County plans to re-develop the site as open space by incorporating it into the Cerrillos Hills Historic Park.

United States Bureau of Reclamation, Proposed Rio Grande Silvery Minnow Sanctuary, Albuquerque, New Mexico. Project Manager for a Phase II site investigation evaluating a proposed site for use as a minnow sanctuary. Developed the work plan and provided oversite for the field work consisting of soil, subsurface soil, surface water, and ground water sampling. Mr. Tracy performed an additional site investigation using biological testing of fish to further evaluate the site for suitability as a minnow sanctuary. *New Mexico Oil Conservation Division, Former Araho Well Injection Disposal Facility, Lovington, New Mexico.* Project manager for Phase II site investigation and subsequent soil remediation activities at a former well injection facility located in Lovington, New Mexico. Evaluated the site for the presence of petroleum hydrocarbons and chloride content in soil and then developed a work plan for remediation. Mr. Tracy supervised the soil remediation efforts which consisted of soil excavation, transportation, and disposal and the subsequent placement of clean fill. Mr. Tracy assisted INTERA engineers in the development of a cap for the site and provided oversite for the cap construction.

*Incorporated County of Los Alamos, Los Alamos, New Mexico.* Project Manager for several Phase I ESAs conducted using ASTM Standard E1527-00 and ASTM Standard E1527-05 as guidance. Conducted ESAs on properties granted to Los Alamos County from Los Alamos National Laboratory (LANL). Mr. Tracy is involved in several meetings between Los Alamos County, NMED, and LANL representatives pertaining to the transfer of properties.

*Duke Energy North America, Clovis and Deming, New Mexico.* Project manger for several Phase I environmental site assessments. Mr. Tracy conducted Phase I ESAs for extensive tracts of land (larger than 2,000 acres) to be acquired for DENA power plant well fields. The Phase I ESAs were completed using the ASTM E1527-00 guidelines. In addition, Mr. Tracy managed the field collection of numerous ground water samples from production wells at the Duke Energy North America Deming well field facility.

*CSK Automobile Parts Portfolio, San Francisco, California.* Environmental Specialist conducting over 50 building facility inspections and corresponding reports at automobile service facilities located throughout California and Washington. Responsible for conducting approximately 30 Phase II site investigations at each CSK site identified with multiple potential risks during the initial building facility inspection.

*Wireless Facilities Industries, San Diego, California*. Environmental Specialist conducting over 200 site visits and producing the corresponding National Environmental Policy Act (NEPA) reports for wireless tower facilities. These facilities were located throughout southern California (primarily in the San Diego area).

*Colorado Department of Transportation; Pueblo, Colorado*. Staff Geologist for the installation of 16 groundwater monitoring wells to identify the boundaries of a chlorinated-solvent plume. Mr. Tracy participated in the initial Phase II facility report for the Colorado Department of Transportation (CDOT) highway garage terminal that identified the groundwater chlorinated-solvent plume.

*City of Pueblo Hotel and Convention Center, Pueblo, Colorado.* Staff Geologist for installation of 20 Geoprobe® soil borings and several monitoring wells in an effort to classify subsurface site conditions on several connected, previously industrial, developed properties. Petroleum hydrocarbons and lead were identified in environmental media. Mr. Tracy assisted in constructing and implementing a voluntary clean-up plan (one of the first in the State of Colorado) for the properties that were ultimately developed with a hotel and city convention center.

*Union Pacific Railroad Maintenance Facility, Denver, Colorado.* Staff Geologist for the installation of 40 Geoprobe® soil borings along the subject property border. The soil boring soil and groundwater sample analytical data were utilized to identify potential offsite/onsite generated petroleum-hydrocarbon groundwater contamination concentrations and plume boundary identification.

*Copper Mountain Ski Resort, Copper Mountain, Colorado.* Project Geologist responsible for Phase I ESA report for the hotel and ski area. In addition, developed a contingency plan concerning identified

diesel-affected soils and organized the removal of the relative diesel-affected soils. This Phase I ESA was completed using ASTM E1527-97 guidelines.

## **Groundwater Monitoring Project Experience**

*Fruit Avenue Plume, Albuquerque, New Mexico.* Staff Geologist assisting in the groundwater monitoring for the Fruit Avenue Plume Superfund site in Albuquerque, New Mexico. Developed local and regional geologic information for the Site Characterization Report.

*North Railroad Site, Espanola, New Mexico.* Staff Geologist assisting in the groundwater monitoring for the North Railroad chlorinated solvent plume site in Espanola, New Mexico.

*Hugo Landfill, Hugo, Colorado.* Staff Geologist installing over 100 groundwater piezometers using a hollow-stem auger drilling rig at an over 500-acre proposed private solid waste landfill. The piezometers were used to identify groundwater areas and monitor static groundwater levels for the landfill permit application.

*Colorado Department of Transportation, Denver, Colorado.* Project Manager for several CDOT site quarterly monitoring programs (concerning petroleum hydrocarbon groundwater plumes) and was responsible for implementing all appropriate field activities.

## **Physical Condition Assessment Project Experience**

*Stanley Aviation Facility, Aurora, Colorado.* Staff Geologist installing 10 monitoring wells and 20 Geoprobe® soil borings in an effort to delineate the dimensions of a chlorinated solvent groundwater plume. Supervised soil removal contaminated with heavy metals (arsenic and chromium).

*Colorado Department of Transportation, Hugo and Pueblo, Colorado.* Project Manager installing Geoprobe® borings to collect soil and groundwater samples. These soil and groundwater samples were used to eliminate certain areas scheduled for soil remediation and helped to develop worker health and safety parameters and appropriate action levels during these right-of-way (ROW) widening projects.

# **Regulatory Compliance Audit Project Experience**

*Barone, Inc.; Arvada, Colorado.* Project Manager responsible for developing a hazard communication program and a hazardous waste management program used by the Barone, Inc. industrial vacuum manufacturing facility.

#### Petroleum Hydrocarbon Project Experience

*Caldwell Motors Company, Belen, New Mexico* Project Manager for UST investigation and remediation activities conducted at a former automobile dealership in Belen, New Mexico. This project also involved voluntary remediation of soils determined to contain elevated levels of lead and the preparation of a VRP application and a VRCR. The Phase II Site Investigation activities conducted at this facility included the sampling of surface and subsurface soil and ground water for the presence of volatile organic compounds (VOCs). Solvents were previously in use at this facility. Mr. Tracy developed the VRCR for this facility and the facility was ultimately granted a Certificate of Completion from the NMED VRP.

*Cliff Patrol Yard, Cliff, New Mexico.* Staff Geologist for subsurface geologic characterization and the installation of groundwater monitoring wells at the New Mexico Department of Transportation Yard in Cliff, New Mexico. These wells were installed in response to a historic release of petroleum hydrocarbons from an underground storage tank.

*Santa Clara Petroleum Hydrocarbon Remediation Site, Santa Clara, New Mexico.* Staff Geologist for the installation of recovery wells installed into sandstone bedrock. These wells were installed for a groundwater extraction and treatment system present at the facility.

*Saint Luke's Medical Center, Cleveland, Ohio.* Project Manager supervising the removal and installation of a 550-gallon UST and the upgrading of a 20,000-gallon UST. Responsible for developing a UST system at the hospital which was in compliance with State of Ohio and Federal Environmental Protection Agency (EPA) UST guidelines.

*City of Middleburg Heights Police Station, Middleburg Heights, Ohio.* Project Manager supervising the removal and installation of one, 10,000-gallon fiberglass-reinforced UST. The UST provides fuel for an emergency generator located at the City municipal offices. This project was monitored by the City of Middleburg Heights Fire Department.

*Mountain Air Drilling, Grand Junction, Colorado.* Project Manager responsible for the disposal of the contents of a 10,000-gallon wastewater tank connected to commercial building storm and sanitary sewer drains. The wastewater was classified as a hazardous waste (cleaning-solvent contamination). Mr. Tracy installed several Geoprobe® soil borings around the perimeter of the wastewater tank after pumping and cleaning to determine if the wastewater tank had leaked.

*Southern Pacific Railroad; Salt Lake City, Utah.* Staff Geologist collecting approximately 30 groundwater and surface-water samples. The sample protocol was established as part of the State of Utah tank closure conditions to close several former USTs located at the Salt Lake rail yard.

*Kansas Department of Health & Environment; Colby, Kansas.* Staff Geologist installing 10, four-inch monitoring wells/pumping wells. The wells were installed to approximately 200 feet below ground surface using a mud-rotary drilling rid as part of a pump and treat groundwater remediation system. The petroleum-hydrocarbon contamination was the result of a historic 30-year gasoline release by a service station located near the center of Colby, Kansas.

*Colorado Department of Transportation; Mead, Colorado.* Project Manager installing several pumping and monitoring wells at this historically petroleum-hydrocarbon contaminated site. The well fields were used to determine petroleum-hydrocarbon groundwater plume delineation and the future placement of wells for a groundwater pump and treat remediation system.

**Total Petroleum Gasoline Service Station, Cherry Creek, Colorado.** Staff Geologist for installation of 10 groundwater monitoring wells and five soil-vapor extraction wells. Assisted in the design, construction, and implementation of a soil vapor extraction remediation system after a partial explosion (caused by underground vapors) in the service station building.

*Colorado Department of Transportation, Englewood, Colorado*. Project Manager installing several groundwater monitoring wells at this former service station facility. Mr. Tracy completed several Geoprobe® soil borings and injected oxygen reduction component® (ORC) into the subsurface through these soil boring pathways to attempt to remediate located petroleum-affected soil and groundwater.

# Hazardous Waste Project Experience

*Montgomery & Andrews, Santa Fe, New Mexico.* Project Manager for three facility audits conducted for a company in Farmington, New Mexico. Provided detailed facility audits for each facility which included filing forms with the Environmental Protection Agency, New Mexico Environment Department, and the New Mexico Department of Homeland Security for RCRA as well as EPCRA compliance issues.

*Crystal Chemical, Houston, Texas.* Staff Geologist for the oversight of soil compaction on a constructed monofill at a former chemical plant (this was a CERCLA Superfund site). Soil contained hazardous levels of arsenic, responsible for ensuring compaction of arsenic-contaminated soil on the monofill using a nuclear density gauge and performed confirmation sampling.

*Barone, Inc., Arvada, Colorado.* Mr. Tracy was the project manager who designed a hazardous communications program and hazardous waste disposal program for an industrial facility.

*KN Energy, Glenwood Springs, Colorado.* Environmental Professional classifying hazardous waste for disposal at several KN Energy maintenance facility yards. Mr. Tracy also contributed to the development of a waste disposal tracking database for KN Energy.

# Lead-Based Paint Project Experience

*Colorado Department of Transportation; Denver, Colorado.* Project Manager collecting lead-based paint samples prior to bridge re-building and sand blasting operations. Developed worker exposure limited based on bridge paint lead content.

*United States Post Office, Toledo, Ohio.* Environmental Professional collecting lead-based paint samples using XRF monitoring instruments. The sample results were used to provide a lead-based paint in facilities report to the U.S. Post Office.

*NMDOT Glen Rio and Manuelito Rest Areas, NM*. Project Manager conducting oversite of a subcontractor conducting lead-based paint building material surveys. Also, characterized lead-based paint for disposal purposes by conduction sampling and TCLP analysis.

# Asbestos Assessment Project Experience

*La Posada Hotel Renovation, Albuquerque, New Mexico* Project Manager for the abatement of asbestos during the LEEDS certified renovation of this hotel. Also responsible for preparing a self-certification document to be submitted to the Environmental Protection Agency for the voluntary remediation conducted at this building.

*Peru Hill Mill Site, Deming, New Mexico Bell Trading Post, Albuquerque, New Mexico, Historic Waterworks and the Former Hillcrest Hospital Buildings, Silver City, New Mexico.* Project Manager conducting oversite of a subcontractor conducting asbestos in building material surveys.

*NMDOT Glen Rio and Manuelito Rest Areas, NM.* Project Manager conducting oversite of a subcontractor conducting asbestos in building material surveys.

*CSK Automobile Parts, St. Paul and Bemidji Minnesota, San Jose, California, Tacoma, Washington, and Milwaukee, Wisconsin.* Environmental Specialist conducting asbestos inspections in buildings prior to demolition and site development as auto-parts facilities.