

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Conducted On:
**Tracts 1, 3, 4, 5 & 6
Portions of Sections 20, 21 and 29
Deming, New Mexico
Luna County**

Conducted For:
**Geo Southwest, Ltd.
9751 Hwy 86
Silverton, TX 79257**



December 2016



3404 Airway Boulevard ♦ Amarillo, Texas 79118 ♦ Tel 806/353-6123 ♦ Fax 806/353-4132

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1.0 EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) conducted by Enviro-Ag Engineering, Inc. (EAE) on Geo Southwest property was authorized by Mr. Gerald Smith of Geo Southwest, Ltd. The property (here after also referred to as the Geo Southwest site, subject property, site) consists of five tracts of land totaling 862 acres located southwest of the intersection of Arrowhead Drive NW and U.S. Hwy 180 northwest of Deming, New Mexico. The property was inspected on November 17, 2016, by Mr. Steven Pratt of EAE. Research of the site was conducted by Environmental Data Resources, Inc. (EDR), and EAE. The Executive Summary summarizes the finding of the site visit and research performed. However, details are not included or fully developed in this section, and the report should be read in its entirety for a comprehensive understanding of the items contained herein.

The subject property has been essentially vacant since the early 1900's. There are currently no improvements to the five tracts of land that is the subject of this Phase I ESA. Between 1916 and 1919 some operations of the World War I army base (Camp Cody) may have taken place on southern portions of the site. Development surrounding the property includes the Luna Energy Facility - 600 MW Combined Cycle Power Plant, residences, vacant land, the ASARCO Deming Mill metals concentration facility (not presently in operation) and the northern portion of the City of Deming. Tracts 1, 4, 5 and 6 of the subject property surround a recovered tailing area and associated borrow pit that is not part of the subject property.

Windblown tailings from an off-site tailings impoundment impacted the subject property. Since that time the tailings area and the areas of the subject property impacted by windblown tailings were cleaned up to State requirements. The NMED issued a covenant not to sue for wind blown tailings east of the ASARCO tailings that was remediated via a Voluntary Remediation Agreement (VRP) # 53043001. This agreement includes a restriction of no residential use on portions of three tracts of land totaling 114.03 acres. In this case, residual arsenic concentrations left on site meet site-specific risk- based levels for industrial/commercial soils, but not for residential soils. Residual concentrations of other metals do meet the NMED soil screening levels for residential soils.

Minor debris was occasionally seen on the ground, including an abandoned automobile and a mattress.

The current property owner stated there are no hazardous, non-hazardous industrial waste landfills, trash burn pits, underground or above ground petroleum storage tanks known to be located on the subject property.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this ESA is to provide information relating to environmental issues, including regulatory compliance, which may have affected the property.

2.2 Special Terms and Conditions

The ESA is a general characterization of the environmental concerns based on reasonably ascertainable information and observations. The following services were provided for the assessment:

- A site inspection of the site and surrounding properties was conducted to visually assess current utilizations and indications of potential surface contamination.
- A visual inspection of the surrounding areas was conducted without entering the properties.
- Site photographs to illustrate features on the property.
- A review of geologic and hydrologic settings from public records and documents.
- An environmental database report was obtained from a data service provider. This database report identifies information concerning spills, leaks or potential sources of contamination, which may in the past, present or future has an effect on the site resulting in increased liability.
- A review of historical records to assess the historical land uses and indications of potential contamination or sources of contamination at the site.
- Provide a report, which relates to the findings of this assessment.

The scope of this assessment did not include the following:

- Sampling and analysis of potential asbestos containing material (ACM), lead, radon, soil, water, air or evaluation of septic systems, if any.
- Status of any type of historical preservation, or endangered or threatened species.
- Delineation of flood boundaries.
- Determination of compliance with Occupational Safety & Health Administration (OSHA) regulations or standards.
- Inquiry as to the chain-of-title or status of environmental liens, if any.

Reference to spills, leaks or media contamination (if any) is based on observations made during the inspection, reports from persons interviewed, or research of public records.

2.3 Significant Assumptions

This assessment is believed to be accurate, thorough and in accord with good engineering practice. However, as a result of changing conditions, no guarantees are made as to the degree or level of contamination observed or reported, if any.

The client has provided EAE with known current and historic uses of potential hazardous materials on the property, or with other knowledge of the environmental history of the site and surrounding area.

2.4 Statement of Limitations

EAE does not assume responsibility for the discovery and elimination of hazards, which could possibly cause accidents, injuries or damage. Compliance with submitted recommendations and/or suggestions, if any, in no way assures the elimination of hazards or the fulfillment of the obligation as may be required by any local, state or federal laws or any modifications or changes thereto. In many cases, federal, state or local codes require the prompt reporting to relevant authorities if a violation occurs. It is the responsibility of the current owner of the property to notify authorities of any conditions, which are in violation of the current legal standards. No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with the property.

Factual information regarding current uses, conditions and historical data has been obtained from a site investigation and interviews with persons knowledgeable of the site, and; in part, from the current manager and has been assumed by EAE to be correct and complete. Since the facts stated in this report are subject to professional interpretation, they could result in differing conclusions. In addition, the findings and conclusions contained in this report are based on various factors as they presently exist.

2.5 Reliance

This report is prepared exclusively for Geo Southwest, Ltd.; therefore, EAE is not responsible for conclusions, opinions, or recommendations made by third parties based on the data presented in this report.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The property for this Phase I ESA investigation and report consists of five tracts of land totaling 862 acres located southwest of the intersection of Arrowhead Drive NW and U.S. Hwy 180 northwest of Deming, New Mexico. The legal description of the property was obtained from Geo Southwest, Ltd., and is found on the survey plat of said property provided in Attachment 2.

3.2 Current & Prior Ownership

The subject property is currently owned by Geo Southwest, Ltd. Geo Southwest acquired the property from ASARCO in April 2014. ASARCO or affiliated companies owned the land since at least 1949 when the associated mill was constructed. EAE was not provided with nor authorized to obtain a Chain-of-Title documents of the site. Ownership information was obtained through interviews with persons knowledgeable of the property and appraisal records obtained and are assumed to be correct.

3.3 Current Use of the Property

The subject property is currently vacant.

3.4 Site and Vicinity Characteristics

3.4.1 Surface Water

The elevation of the subject property generally ranges from 4,350 to 4,390 feet above mean sea level (AMSL). The site is bisected from northwest to southeast by the Mimbres River, a classic desert river with ephemeral and perennial reaches. The river is ephemeral in the vicinity of the subject property. Due to the topographic relief of the property, the potential for contaminated rainfall runoff entering the property from adjacent areas appears minimal. Per the Western Regional Climate Center, the mean annual rainfall from 1981 to 2010 for the Deming, NM area is approximately 10.24 inches.

3.4.2 Soils

The USDA-NRCS Luna County Web Soil Survey indicated the primary soil series underlying the site to be primarily Dona Ana, Bluepoint, Yturbide, and Berino and Mohave associations.

The Dona Ana sandy loam, sandy clay loam, and Pinture associations are level to 3 percent slopes. The soil is a hydraulic soil group B, and is comprised of sandy loam, sandy clay loam, and loamy sand to a typical depth of 60-inches. These are soils where the most limiting layer to transmit water is moderately high to high. The drainage class is well drained, and the farmland classification is farmland of statewide importance. This type association makes up approximately 35% of the subject property.

The Bluepoint loamy sand and -Onite associations are level to 5 percent slopes. The soil is a hydraulic soil group A, and is comprised of loamy sand and loamy fine sandy to a typical depth of 60-inches to as deep as 79-inches. These are soils where the most limiting layer to transmit water is high to very high. The drainage class is somewhat excessively drained, and the farmland classification is farmland of statewide importance, except for the -Onite association which is not prime farmland. This type association makes up approximately 32% of the subject property.

The Yturbide loamy sand association is level to 3 percent slopes. The soil is a hydraulic soil group A, and is comprised of loamy sand and gravelly sand to a typical depth of 60-inches. These are soils where the most limiting layer to transmit water is high to very high. The drainage class is excessively drained, and the farmland classification is farmland of statewide importance. This type association makes up approximately 15% of the subject property.

The Berino and Mohave soils association is level to 3 percent slopes. The soil is a hydraulic soil group B, and is comprised of loamy sand and sandy clay loam to a typical depth of 60-inches. These are soils where the most limiting layer to transmit water is moderately high to high. The drainage class is well drained, and the farmland classification is not prime farmland. This type association makes up approximately 8% of the subject property.

3.4.3 Geology & Hydrology

The southern part of the State is characterized by detached mountain ridges separated by wide desert bolsons. Many of the ridges consist of uplifted Paleozoic strata lying on older granites, but in some of them Mesozoic strata are also exposed, and a large amount of volcanic material of several ages is generally included. The strata are deformed to some extent. Some of the ridges are fault blocks; others appear to be due solely to flexure. The bolsons, some of which are 30 miles or more wide, are former deep valleys, now filled with Tertiary and Quaternary deposits, which in many places are more than 1,000 feet thick and form a nearly level desert floor. The ridges rise abruptly from a few hundred to more than 5,000 feet above the bolsons and range in length from less than a mile to 90 miles and in places reach a width of 15 miles. The chief ridges of southwester New Mexico are the Mimbres Mountains, Caballos Mountains, Cooks Range, Black Range, Burro Mountain, Mogollon Mountain, Florida Mountains, Big Hatchet Mountains, Sierra Madre, and Peloncillo Mountains.

The subject property is located in a bolson referred to as the Mimbres Basin. The Mimbres basin is a closed basin that occupies parts of Southwest New Mexico and Northwestern Chihuahua, Mexico. The lowest part of the basin was an ancient lake during the first days of men. The Mimbres Basin has a drainage area of 5,140 square miles. It is located primarily in Grant and Luna counties in Southwest New Mexico, and in northern Chihuahua in Mexico. The Mimbres River flows in the Mimbres Trench, a fault graben bounded by faults on both sides in the Mimbres Valley. Basin fill is generally 500 feet or less on the west side of the valley, and up to 1400 feet deep on the east side. The Mangas Trench is the home of the San Vicente Arroyo, where basin fill is 2000 feet deep and more over an area 10 miles wide and 50 miles long. The deepest fill is up to 4000 feet deep in the vicinity of Deming.

There are two main streams that flow in the Mimbres basin that each have stretches of perennial flow: The Mimbres River (which crosses the subject property) drains the Mimbres Mountains, the western Black Range and the eastern part of the Pinos Altos Range. San Vicente Arroyo drains the Silver City Range. Both of these water courses trend southward from near the northern rim of the basin and merge their dry paths slightly to the west of the center of the basin. The groundwater recharge coming from the confluence of the San Vicente Arroyo and the Mimbres River leaves the alignment of the Mimbres river and heads south at a point that the river bends to the east. According to the New Mexico State Engineers Office, the static groundwater surface in the area "bolsom fill aquifer" is presently approximately 150 feet below ground surface in the area of the site. As one goes south of Denton the static level drops to 300 to 500 feet below the surface. Water quality is very good in the northern part of the basin, and stays good until well south of Deming, where the quality changes.

3.5 Descriptions of Site Improvements

The following descriptions are based on information obtained from the current property owner and site inspections conducted on November 17, 2016, by Mr. Steven Pratt of EAE.

There are currently no improvements to the five tracts of land that is the subject property of this Phase I ESA.

3.6 Current Use of the Adjoining Properties

Properties adjoining the site are as follows:

- West – Vacant land, several residences and the ASARCO Deming Mill metals concentration facility (not presently in operation).
- South – Vacant land and the City of Deming.
- North – Luna Energy Facility - 600 MW Combined Cycle Power Plant, residences, and vacant land.
- East – Northern portion of the City of Deming.

3.7 Maps

Figure 1 is a vicinity map depicting the locations of the facility and surrounding roads and features. Figure 2 is a 7.5-minute United States Geologic Survey (USGS) Topographic Map that depicts topographic conditions of the subject property and surrounding area. Figure 3 is an aerial map showing the full extent of the subject property.

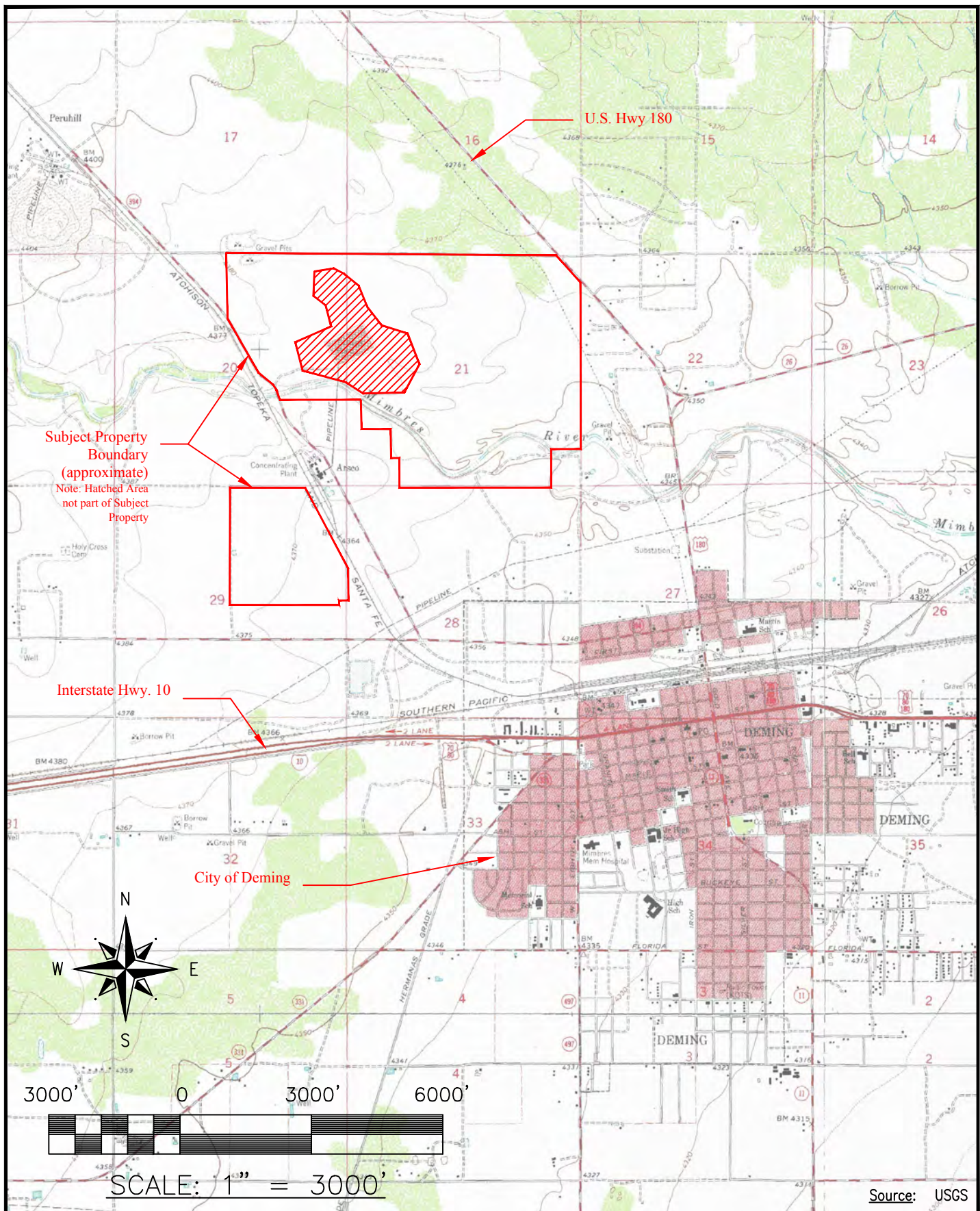


Geo Southwest, Ltd.
Deming, New Mexico
Luna County

Figure 1
Vicinity Map



Enviro-Ag Engineering, Inc.
ENGINEERING CONSULTANTS
3404 Airway Boulevard
AMARILLO, TEXAS 79118
TEL (806) 353-6123 FAX (806) 353-4132

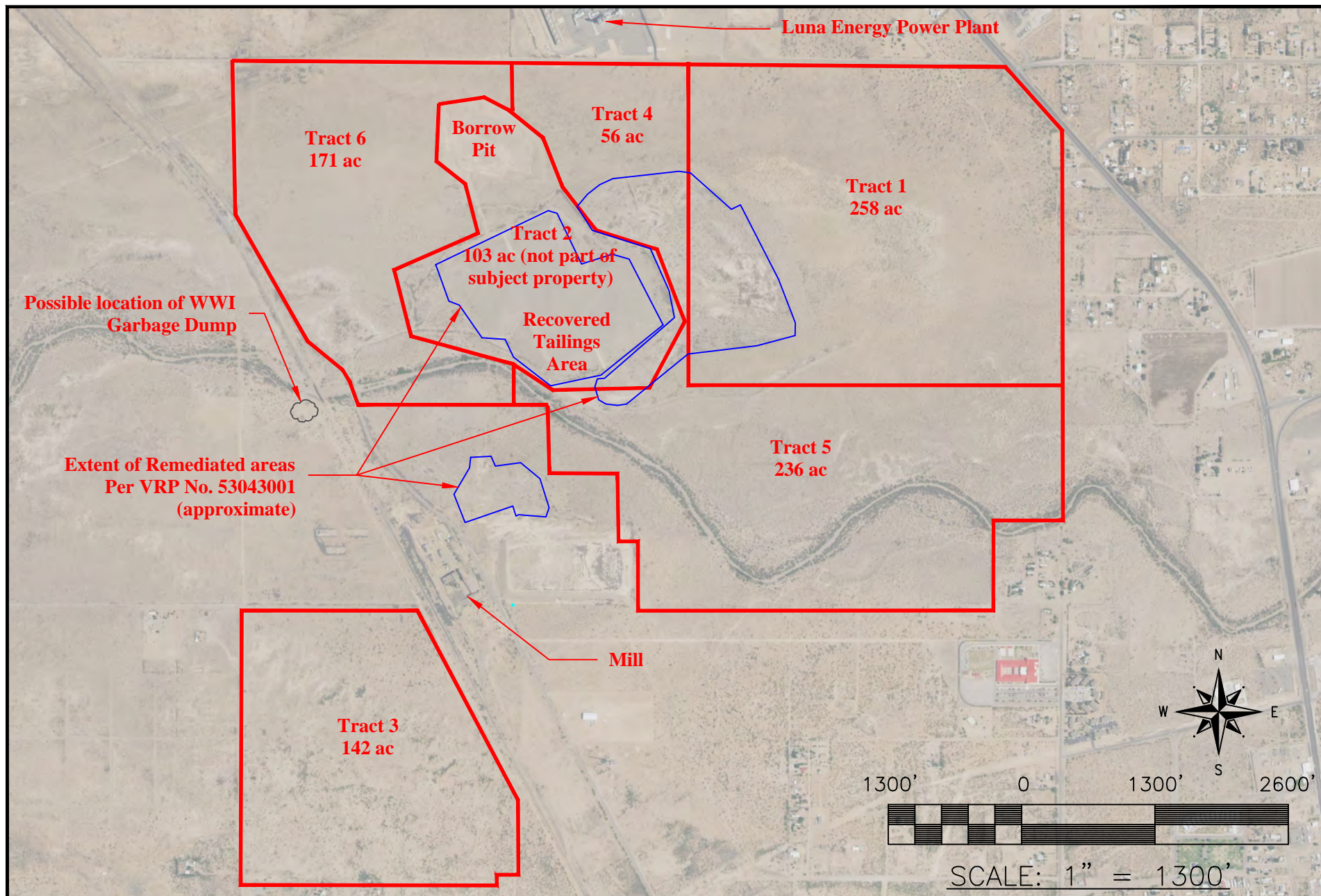


Geo Southwest, Ltd
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Figure 2
USGS Topographic Map



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Figure 3
Site Map - Geo Southwest Property



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4.0 USER PROVIDED INFORMATION

EAE was provided with a “user questionnaire” by Mr. Gerald Smith of Geo Southwest, Ltd. A copy of the user questionnaire is included in Attachment 1.

4.1 Title Records

EAE was not provided with nor authorized to obtain a Chain-of-Title documents of the site.

4.2 Environmental Liens and Activity and Use Limitations

The “user questionnaire” did not indicate the presence of environmental liens in connection with the property, but use limitations were noted. The NMED issued a covenant not to sue for wind blown tailings east of the ASARCO tailings area that was remediated via a Voluntary Remediation Agreement (VRP) # 53043001. This agreement includes a restriction of no residential use on portions of three tracts of land totaling 114.03 acres.

4.3 Specialized Knowledge

The questionnaire did not indicate specialized knowledge or familiarity related to the property.

4.4 Commonly Known Information

It is commonly known that the site is located adjacent to the previous ASARCO Deming mill and that windblown tailings associated with the mill’s tailings area contaminated portions of the subject property which in turn was cleaned up in accordance with VRP # 53043001.

4.5 Valuation

According to a written statement by Mr. Smith, the price paid by Geo Southwest for the property was reduced due to the assignment of the property to a trust because of ASARCO’s bankruptcy.

4.6 Owner, Property Manager, and Occupant Information

EAE was provided with a “user questionnaire” by Mr. Gerald Smith of Geo Southwest, Ltd. A copy of the user questionnaire is included in Attachment 1.

4.7 Reason for Performing Phase I ESA

This Phase I ESA was performed by request of Geo Southwest, Ltd., to evaluate the environmental conditions at the property.

5.0 RECORDS REVIEW

5.1 Interviews

EAE interviewed the following people while performing this assessment:

- Mr. Gerald Smith, President, Geo Southwest, Ltd.
- Mr. John Strand, Retired City Manager for the City of Deming
- Mr. Martin McMillan, NM State Engineers Office, District 3 – Deming Office
- Mr. Tom Whatley, NM State Engineers Office, District 3 – Deming Office
- Ms. Laura Gleasner, University of New Mexico, Earth Data Analysis Center
- Ms. Isabelle Enciso, Luna County Government, Assessor Department
- Ms. Ali Furmall, NM Environment Department
- Ms. Myrna Duarte, Luna County Clerk
- Mr. Dale Stevens, Line Department Supervisor, Public Service Co of NM

Information and comments from these individuals are incorporated into the appropriate sections of the report.

5.2 Federal and State Regulatory Operating Requirements

5.2.1 NMED Certificate of Completion - Voluntary Remediation Program (VRP) - ASARCO - Deming Mill Windblown Tailing Site VRP Site No. 53043001

From 1948 to 1979, the ASARCO Deming Mill used a floatation process to produce lead zinc and copper zinc concentrates from lead and zinc ores. During operation, tailing slurry was transported across the Mimbres River by a pipeline and disposed of in the tailings impoundment. The mill is located off-site of the subject property, south of tract 6, west of tract 5 and north of tract 3. The tailings impoundment is also off-site of the subject property, surrounded by tracts 1, 4, 5 and 6.

The mill operations impacted some portions of the subject property tracts 1, 4, and 5 via wind blown materials from the tailings impoundment. Site characterization and cleanup activities were conducted at the site starting in 1993 and included the remediation of the off-site mill, pipeline spill area, and the tailings impoundment. Remediation of the off-site mill area consisted of contaminated soil removal, capping with soil, and re-vegetation. Contaminated soils within the off-site spill area were removed and disposed of at the tailing impoundment. The off-site tailing impoundment was then capped with soil and re-vegetated. Removal activities were conducted in the on-site windblown tailings area in 2007 and excavated materials were again deposited onto the tailing impoundment (and re-capped and re-vegetated).

The cleanup was reportedly successfully completed in accordance with the NMED Voluntary Remediation Agreement such that site conditions meet applicable standards for the ASARCO Deming Mill Windblown Tailings Site, VRP Site No. 53043001, as of February 6, 2009. A NMED covenant not to sue, sealed April, 3 2015, was issued to Geo Southwest for the Deming Mill Windblown Tailings Site. This covenant document contains the cleanup certificate of completion and legal description of the remediated area. The NMED covenant document and its attachments are included in Attachment 5 of this ESA report. A copy of the Voluntary Remediation Completion Report is also included in Attachment 5. According to the certificate of completion:

“Mill tailings and soils contaminated by metals were removed from the site and placed in the tailings impoundment on the adjacent site. Residual arsenic concentrations met site-specific risk- based levels for industrial/commercial soils. Residual concentrations of other metals met New Mexico Environment Department Soil Screening Levels for residential soils. Impacts to ground water are not expected at the site, based on ground water monitoring near the tailings impoundment on the adjacent site.”

5.3 Federal and State Regulatory Information Database Report

EDR, an environmental database search company located in Shelton, Connecticut, conducted a computer review of governmental records (databases) within the American Society for Testing and Materials (ASTM) standard radius of the sites of interest that may contain information concerning spills, leaks or potential sources of contamination, which may in the past, present or future has an effect on the site resulting in increased liability. A review of database information revealed that six site was found in EDR's search of available government records within two miles of the subject property or within the ASTM search radius. 3 unmappable (orphan) sites was noted. The orphan sites was more than 1 mile from the subject property in the City of Deming. Due to site proximity it is extremely unlikely that the orphan sites could be expected to impact the subject property.

This database search is only as accurate as the information available. The possibility exists of unlisted USTs, ASTs or RCRA notifiers present in the area that may potentially affect these properties due to the physical address supplied the regulatory agency. The federal and state environmental records search information is included in Attachment 3.

Table 1: Regulatory Database Summary

<u>Site Name:</u>	<u>Database:</u>	<u>Located within:</u>	<u>Status:</u>
Tulip Drive Landfill. 1 mile north of Deming	FINDS	1/2 to 1 mile east northeast	Site has environmental interest noted in databases.
Deming Mill S R 394	UST	1/2 to 1 mile south	1 gasoline and 1 diesel UST, both removed from ground. No report of leaking underground petroleum storage tank by NMED.
Williams Cattle Trailer Wash	FINDS	1/2 to 1 mile north northwest	Site has environmental interest noted in databases.
Luna Energy Facility 1895 Arrowhead NW	RCRA-CESQG ICIS US AIRS FINDS ECHO	1/2 to 1 mile north	600 MW Combined Cycle Power Plant. Site has environmental interest noted in databases. One formal and one informal enforcement action was noted for air violations. No other violations found.
New Mexico Smelter and Refining Co 2000 W 2 nd St.	RCRA NonGen /NLR FINDS ECHO	1/2 to 1 mile south	Site has environmental interest noted in databases. No violations found.
Rocky Mountain Transporters 3105 Hwy 180	LAST LUST LTANKS AST TANKS	> 1 mile northeast	1 fuel UST leaked. Cleanup date 12/28/2004. NMED issued No Further Action status. One diesel AST, removed from site.

5.4 History of Property Use

A request was made to obtain Sanborn fire insurance maps, city directories, historical topographic maps and aerial photographs for historical references of this location. No coverage exists in this area for Sanborn maps. The topographic maps, city directories and aerial photographs are included in Attachment 3. The

history of the property was obtained through interviews with persons knowledgeable of the property were recorded, a review of aerial photographs and review of historical maps.

5.4.1 History

For the most part, the tracts of land that comprise the subject property has been vacant undeveloped land since at least the early 1900s. The land surrounding the site was also largely vacant and undeveloped, other than the expanding city of Deming to the southeast and several mining/milling operations. The ASARCO Deming mill located off-site of the subject property, south of tract 6, west of tract 5 and north of tract 3, and the off-site tailings impoundment surrounded by tracts 1, 4, 5 and 6 began operation in 1948 and continued to 1979. Since that time the mill, tailings area, and other affected areas were cleaned up to State requirements (see 5.2.1 above). Figure 3 indicates the portions of tracts 1, 4 and 5 when the successful cleanup occurred. The Peru mill opened in 1928 several miles to the northwest of the subject property and operated until 1967. The Peru mill site was also remediated to EPA and State requirements and is considered a City of Deming industrial park area.

Information obtained from interviews and on-line searches indicated that some of the area to the south of the subject property (approximately 2,000 acres) was the site of Camp Cody from 1916 to 1919 a U.S. Army training camp. The camp was primarily located approximately ¼ mile to the south of the subject property just north of 2nd street. However, reportedly some activities (including horse stalls) may have occurred on or near the southern portion of the subject property. There are a few concrete footings on tract 3 of the subject property that reportedly may have been from the camp. Reportedly, a small area south of the Mimbres river, just west of the railway trestle west of the southwest corner of tract 6 (not on the subject property) may have been used as a garbage dump by the camp (Figure 3). The Radius Map Report with GeoCheck provided by EDR seems to indicate that the City of Deming Tulip Drive Landfill was located on tract-1 of the subject property. However, further investigation with the City of Deming indicates that this placement is incorrect as the landfill was reported to be east of Hwy 180 in a bend in the Mimbres River bounded by San Carlos Street and N Diamond Street, approximately three-quarters of a mile to the east of the subject property boundary.

Other than the wind-blown tailings remediation area, and the reportedly limited impact of U.S. Army training camp over a 3 to 4 year period, little other activity appears to have occurred on the subject property.

5.4.2 Aerial Maps Review

An extensive collection of aerial photographs from 1954, 1962, 1974, 1986, 1996, 2009 and 2011 were provided by EDR and reviewed. Online Google Earth aerial images from 1996, 2003, 2005, 2006, 2009, 2011, 2015 and 2016 were also consulted to assist in the interpretation of the EDR aerial photographs.

In the first aerial photographs, from 1954, the mill and the tailings pile are present. The off-site area just northeast of the mill where the pipeline spill is later remediated appears as a discolored area. Little development surrounds the subject property. Roads are present where Hwy 180, Peru Mill Road, Arrowhead Drive and West 2nd Street surround the site, but what can be seen of the lands surrounding the subject property has a few structures but is mostly vacant and undeveloped. The City of Deming appears to the southeast. The 1962 aerial photographs reflect essentially the same conditions as the 1954 aerial photographs, with some additional development east of the site.

The 1974 aerial photographs show additional development and roads east of the subject property as Deming expands to the north. The tailings pile area now appears divided into two rectangular areas. There is a relatively small area of disturbed land at the northwest corner of tract 6 of the subject property that may be the past location of the Williams Cattle Trailer Wash noted in the Radius Map Report with GeoCheck provided by EDR, or a gravel pit shown on the 1964 and 2001 topographic maps (see below). In the 1986 aerial photographs significant additional development has occurred east of the site and Hwy 180 appears as

large road. Some development/structures appear north of the site along Arrowhead Drive. Neither the 1974 or 1986 aerial photographs show any other changes to the subject property other than that described above.

In the 1996 aerial photographs the remediation activities for the mill site, pipeline spill, and the tailings impoundment areas appear in progress. A tailings pile located just east of the mill (not on the subject property) now appears. Development east and northeast of the subject property appears similar to current conditions, and there is additional development south southeast of the site, with the exception of the power plant which is not yet constructed north of the site.

In the 2009 aerial photographs the lands surrounding the subject property are essentially the same as at present. The power plant has been constructed north of the site, and on the subject property the wind blown contamination area appears remediated. The 2011 aerial photographs are unchanged from the 2009 aerials and appear as today.

5.4.3 Topographic Maps Review

EDR provided topographic maps from 1899, 1915, 1916, 1964, 2001 and 2013, as portions of those respective USGS Deming West 7.5 and Deming 30-minute series maps.

The earliest topographic maps from 1899, 1915 and 1916 show roads where Peru Mill Road, and Arrowhead Drive are today, the railway tracks and the City of Deming. The Membris River is also shown. A windmill is shown on the land that will be tract 1 of the subject property as well as a building. No structures or other features of interest are depicted on the subject property.

The 1964 topographic map shows the “concentrating plant” (mill), tailings pond and a pipeline connecting the two. A gravel pit is indicated at the northwest corner of tract 6 of the subject property. Roads, railway tracks, development and the river are all similar to as discussed above in the similarly dated aerial photographs. No structures or other features of interest are depicted on the subject property.

The 2001 topographic map is similar to the 1964 topographic map, though the mill is now labeled as the “Asarco Mill” and a smaller tailings pond is shown just east of the mill (not on the subject property). Development has increased south, east and north northeast of the site. No structures or other features of interest are depicted on the subject property. The 2013 topographic map is much simpler than the previous two in that structures are not shown. Only the main tailings area is depicted though it is not labeled. The mill is no longer labeled.

No additional information of significance is depicted in any of the topographic maps.

5.4.4 Sanborn Maps Review

According to EDR there are no Sanborn Maps available for the subject property. The Sanborn no coverage letter is included in Attachment 3.

5.4.5 City Directories Review

City directories for the Deming, New Mexico area were reviewed from the following years: 1965, 1992, 1995, 1999, 2003, 2008, and 2013. The subject property does appear to have been assigned a numeric address, and is not listed on any of the applicable city directories. No additional information of significance to this ESA is depicted in any of the directories. The city directory review provided by EDR is included in Attachment 3.

5.5 Significant Data Gaps

No Significant Data gaps exist in the documentation of property. EAE was not provided with official Chain-of-Title documents for the site. The client has provided the “user questionnaire” which indicates that the New Mexico Environment Department issued a covenant not to sue for an area east of the off-site recovered tailings area. The windblown tailings area was remediated under Voluntary Remediation Agreement VRP #53043001. The agreement includes a restriction of no residential use on portions of subject property tracts 1, 4 and 5 (see Attachment 5).

6.0 SITE INSPECTION

6.1 Site Inspection Description

The property was inspected on November 17, 2016, by Mr. Steven Pratt of EAE. Weather conditions at the time of inspection were sunny skies and temperatures in the 60s/70s. The property associated with this Phase I ESA investigation and report consists of five tracts of land totaling approximately 862 acres located southwest of the intersection of Arrowhead Drive NW and U.S. Hwy 180 in Deming, New Mexico. Photographic documentation of the site inspection is included in Attachment 4.

6.2 Site Inspection Findings

The subject property has been essentially vacant since the early 1900's. There are currently no improvements to the five tracts of vacant land that is subject property of this Phase I ESA. Between 1916 and 1919 some operations of the World War I army base (Camp Cody) may have taken place on southern portions of the site. Development surrounding the property includes the Luna Energy Facility - 600 MW Combined Cycle Power Plant, residences, vacant land, the old Deming Mill metals concentration facility (not presently in operation) and the northern portion of the City of Deming. Tracts 1, 4, 5 and 6 of the subject property surround a recovered tailing area and associated borrow pit that is not part of the subject property. The following paragraphs discuss the specific tract site inspection findings in the order the tracts were visited.

Tract 3

Tract 3 was accessed by truck and several areas were further accessed on foot. No environmental conditions were noted during the site inspection. Several concrete footings were visible that reportedly may have been associated with Camp Cody between 1916 and 1919 (note photo (6)). Photos (1) through (11) of Attachment 4 provides photographic documentation of areas within and surrounding tract 3.

Tract 6

Tract 6 was accessed by truck and several areas were further accessed on foot. No environmental conditions were noted during the site inspection. Minor debris was occasionally seen on the ground. Part of the east perimeter of tract 6 is adjacent to the western perimeter of the off-site recovered tailings area (signage posted as a closed disposal area – no trespassing). Photos (12) through (20) of Attachment 4 provides primary photographic documentation of areas within and surrounding tract 6.

Tract 4

Tract 4 was accessed by truck and several areas were further accessed on foot. No environmental conditions were noted during the site inspection. Minor debris was occasionally seen on the ground. Part of the west perimeter of tract 4 is adjacent to the eastern perimeter of the off-site recovered tailings area (signage posted as a closed disposal area – no trespassing). Areas in the southeast portion of tract 4 shows evidence of where the recent remediation activities removed contaminated soil. Photos (31) and (35) of Attachment 4 provides primary photographic documentation of areas within and surrounding tract 4.

Tract 1

Tract 1 was accessed by truck and several areas were further accessed on foot. No environmental conditions were noted during the site inspection. Minor debris was occasionally seen on the ground (note mattress in photo (30)). A small area of the west perimeter of tract 1 is adjacent to the eastern perimeter of the off-site recovered tailings area (signage posted as a closed disposal area – no trespassing). In northeast corner of the tract is a small area leased out for use as a horse pen. Areas in the southwest portion of tract 1 shows evidence of where the recent remediation activities removed contaminated soil. Photos (21) through (24) and (32) through (36) of Attachment 4 provides primary photographic documentation of areas within and surrounding tract 1.

Tract 5

Tract 5 was accessed by truck and several areas were further accessed on foot. No environmental conditions were noted during the site inspection. Minor debris was occasionally seen on the ground. An abandoned automobile was also observed. Part of the northwest perimeter of tract 5 is adjacent to the eastern perimeter of the off-site recovered tailings area (signage posted as a closed disposal area – no trespassing). Areas in the northwest portion of tract 5 shows evidence of where the recent remediation activities removed contaminated soil. Photos (15), (16), (26) through (30), and (33) of Attachment 4 provides primary photographic documentation of areas within and surrounding tract 5.

6.3 Hazardous/Regulated Substances

No hazardous and/or regulated substances observed on-site during the site inspection.

6.4 Storage Tank (AST/UST) Systems

No above ground petroleum storage tanks (ASTs) or underground petroleum storage tanks (USTs) are known to exist on the subject property, and none were observed during the site inspection. Searches of regulatory agency records did not disclose any ASTs or USTs as having been located on the subject property.

6.5 PCB Containing Materials

More than a dozen pole-mounted transformers are located on or bordering the subject property. All observed transformers appeared to be in good condition with no signs of damage or leakage. Per Public Service Co of NM the subject pole-mounted transformers are PCB free.

6.6 Asbestos Containing Material (ACM)

The scope of this Phase I ESA did not include sampling and analysis of potential ACM.

6.7 Lead Based Paint

The scope of this Phase I ESA did not include a lead inspection.

6.8 Waste Disposal

There are presently no waste disposal services to the subject property.

6.9 Utilities

There are presently no utility services to the subject property.

6.10 Vapor Encroachment Conditions

EDR conducted a computer review of governmental records (databases) within ASTM Standard E2600-10 radius of the site. A review of database information was performed based on the assumption that groundwater gradient is to the east-southeast. Vapor encroachment conditions do not appear to exist from the subject property or from nearby sources. A report was generated and included in Attachment 3.

7.0 CONCLUSIONS & RECOMMENDATIONS

Enviro-Ag Engineering, Inc. has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 on Geo Southwest, Ltd., property consisting of five tracts of land totaling approximately 862 acres located southwest of the intersection of Arrowhead Drive NW and U.S. Hwy 180 in Deming, New Mexico. Any exceptions to, or deletions from, this practice are described in Section 2 of this report. This assessment has revealed no **recognized environmental conditions (RECs)** in connection with the property, as defined in ASTM E1527-13:

Additionally, the following conclusions are made with respect to non-recognized environmental conditions but are regulated compliance issues:

- 1) An off-site tailings impoundment surrounded by tracts 1, 4, 5 and 6 is associated with the ASARCO Deming mill (in operation from 1948 and to 1979) located off-site of the subject property, south of tract 6, west of tract 5 and north of tract 3. Windblown tailings from the off-site tailings impoundment impacted the subject property. Since that time the tailings area and the areas of the subject property impacted by windblown tailings were cleaned up to State requirements. Figure 3 indicates the portions of tracts 1, 4 and 5 when the successful cleanup occurred. These remediated areas are considered a **Controlled Recognized Environmental Condition (CREC)**. The ASTM Standard defines a Controlled Recognized Environmental Condition (CREC) as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.” In this case, residual arsenic concentrations left on site meet site-specific risk-based levels for industrial/commercial soils, but not for residential soils. Residual concentrations of other metals do meet the NMED soil screening levels for residential soils.
- 2) All miscellaneous debris, including the abandoned automobile, should be properly recycled or removed and disposed in accordance with regulatory requirements.

8.0 REFERENCES

8.1 References

Information presented in this report was obtained, in part, from the following sources:

1. 20 New Mexico Administrative Code.
2. EDR - The EDR Radius Map™ Report with GeoCheck®, including Federal and State Published Environmental Databases, November 21, 2016.
3. EDR Certified Sanborn® Map Report, November 21, 2016.
4. EDR Historical Topographic Map Report, November 21, 2016.
5. EDR - The EDR Aerial Photo Decade Package, Aerial Photographs, November 23, 2016.
6. EDR - The EDR-City Directory Image Report, Deming City Directories, November 21, 2016.
7. EDR Vapor Encroachment Screen, December 5, 2016.
8. Google Earth, accessed November 2016.
9. EPA – Index to Superfund Sites by County Retrieved November 2016 from:
<https://www.epa.gov/nm/cleanups-new-mexico#sites>.
10. New Mexico Office of the State Engineer, District 3 – Deming Office. 321 Spruce Street, Deming, NM 88030: <http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch>.
11. Western Regional Climate Center. (2016). Cooperative Climatological Data Summaries. NCDC 1981-2010 Monthly Normals, Deming, NM. Retrieved from
<http://www.wrcc.dri.edu/climatedata/climsum/>
12. Luna Co Government, Assessor Department - last accessed October 2016 at:
<http://www.lunacountynm.us/assessors-office/>
13. USDA NRCS Web Soil Survey, last accessed November 2016 at:
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/survey/>.
14. Geologic atlas of the united states, Deming Folio, NM, by N.H. Darton. USGS 1917.
15. Mimbres Basin Hydrological Characterization Report Hydrogeology 441 Dr. Fred Phillips March 29, 2013 by Van Clothier; Stream Dynamics, Inc.
16. Underground Water of Luna County New Mexico; USGS; Water Supply Paper 345-c, 1914.
17. Geologic Map of New Mexico; New Mexico Bureau of Geology and Mineral Resources, 2003
18. New Mexico Geological Society, Brief history of Deming-area mills and manganese stockpiles; Ibrahim H. Gundiler, 2000, pp. 279-281; Downloaded from:
<http://nmgs.nmt.edu/publications/guidebooks/51>
19. WW1 History of Camp Cody - Deming, New Mexico; by Michael Kromeke. Downloaded November 2016. From: <http://demingnewmexico.genealogyvillage.com/>

9.0 CERTIFICATIONS

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

The qualifications of the environmental professionals are included in Section 10.

Steven Pratt, - Enviro-Ag Engineering, Inc.
Site Inspector/Report Author


Signature

Alicia Barley, - Enviro-Ag Engineering, Inc.
Report Reviewer


Signature

Brad Wieck, P.E., - Enviro-Ag Engineering, Inc.
Report Reviewer


Signature

10.0 Qualification(s) of Environmental Professional(s)

Steven J. Pratt, P.E., CAPM

Qualifications:	Texas Professional Engineer, License No. 83856 Texas Corrective Action Project Manager, TX-CAPM01389 California Registered Environmental Assessor, REA-00792
Education:	Bachelor of Science degree in Chemical Engineering, University of California, Berkeley, 1976
Current Position:	Senior Engineer, Enviro-Ag Engineering, Inc., since 2015
Training:	Tier II Reporting, 2016 Energy Auditing Fundamentals, 2015 40-hour Haz Mat & 8-hour Supervisor Certifications CARB Enforcement Division, Control Technologies, 2014 FEMA IS-100 & -200 Certifications, 2007 NEPA Process Management Certificate, 1999 Environmental Assessments for Property Transfers, 1990 Radiological Worker I & II Certifications Nuclear Engineering Training & Certifications
Responsibilities:	Design and construction for air, water, wastewater and industrial effluent systems, hazardous waste treatment systems, UST, AST and chemical process systems, and RCRA facilities. Design and implementation of Phase I & II site investigations and subsequent remedial actions involving hydrocarbon, heavy metal, nuclear, and other hazardous materials at UST and industrial facilities. Prepare, submit, and implement air and water permits and develop industrial permitting programs. Conduct facility energy and regulatory audits and perform regulatory analysis for industrial, commercial, and energy facilities. Develop waste management and minimization plans, training programs, and hazardous material handling systems. Design, specification, and startup of systems at nuclear, oil and gas, power generation and industrial/manufacturing facilities. Manage underground injection control including injection permit development and authorization, aquifer exemptions, compliance assistance, and inspections.
Previous Experience:	Senior/Supervising Environmental Engineer, US EPA, 2000 - 2015 Senior/Principal/Supervising Environmental & Process Engineer, Consulting Engineering Firms, 1985 – 2000 Chemical/Process Engineer, Architectural Engineering Companies, 1976 – 1985
Memberships:	American Institute of Chemical Engineers Colorado Environmental Management Society

Alicia F. Barley

Education: Bachelor of Science degree in Agribusiness,
Texas A&M University, 2006

Masters of Business Administration with emphasis in Agriculture
West Texas A&M University, 2013

Current Position: Environmental Consultant, Enviro-Ag Engineering, Inc., 2007

Training: Texas A&M University System, Texas Engineering Extension Service,
Environmental Site Assessment for Phase One and Two – April 2007.

Responsibilities: Prepare and submit wastewater permit applications for new, existing and
expanding CAFOs. Coordinate permitting efforts and track permit applications
throughout the permitting process. Formulate treatment lagoon design criteria
using site-specific feed ration information. Assist with Phase I Environmental Site
Assessments.

Previous Experience: Student Environmental Intern, Cactus Feeders, Inc. 2005

Brad J. Wieck, P.E.

Qualifications: Texas Professional Engineer, License No. 86424
Oklahoma Professional Engineer, License No. 19675
New Mexico Professional Engineer, License No. 14900
Kansas Professional Engineer, License No. 16000
Idaho Professional Engineer, License No. 10064
Utah Professional Engineer, License No. 5921238
Wisconsin Professional Engineer, License No. 35538
Ohio Professional Engineer, License No. 73843
Kentucky Professional Engineer, License No. 28913
Louisiana Professional Engineer, License No. 36094
Georgia Professional Engineer, License No. 037385

Education: Bachelor of Science degree in Agricultural Engineering,
Texas Tech University, 1993

Current Position: Senior Engineer, Enviro-Ag Engineering, Inc., since 2000

Training: Texas A&M University System, Texas Engineering Extension Service, Phase I
Environmental Site Assessment for Property Transfer – June 1997
EDR Due Diligence at Dawn, Vapor Intrusion Risk & Due Diligence Challenges
in the Real World, May 2007.
The Work on AAI and Revised ASTM E-1527 Standard, October 2013.

Responsibilities: Design wastewater retention facilities, including soil liners and spillways, conduct
floodplain analysis of stream channels. Conduct field surveys using Global
Positioning System (GPS) and total station instruments. Analyze survey data to
develop site layouts, conduct site design calculations and develop construction plot
plans for new and expanding CAFO facilities. Conduct Phase I Environmental Site
Assessments. Prepare and submit wastewater permit applications for new, existing
and expanding CAFOs. Prepare and submit air permit applications for agricultural
facilities.

Previous Experience: Engineer-In-Training, Enviro-Ag Engineering, Inc., 1993
Technician, USDA Cotton Gin Research Lab, 1992

Memberships: American Society of Agricultural and Biological Engineers

ATTACHMENT 1

Enviro-Ag Engineering, Inc.

Page 1

**ENVIRONMENTAL SITE ASSESSMENT (ESA)
USER QUESTIONNAIRE**

In order to qualify for one of the *Landowner Liability Protections (LLPs)*¹⁸⁷ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"),¹⁸⁸ the user must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete. Please indicate Yes, No or Unknown in response to each question. If Yes, provide applicable detail (continue on reverse of page if needed).

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

CIRCLE YES -- ☒ NO -- UNK

If yes, please explain.

2. Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any Activity and Use limitations (AUL), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in the registry under federal, tribal, state or local law?

CIRCLE ☒ YES -- NO -- UNK

If yes, please explain. New Mexico Environment Department issued a COVENANT Not to Sue for wind blown tailings east of The ASARCO tailings that was remediated by a Voluntary Remediation Agreement (VRA #53043001) and includes a restriction of NO residential use of 3 tracts of land totaling 114.03 acres.

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the user of this ESA do you have any specialized knowledge or familiarity related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or its neighboring property, so that you may have specific knowledge of the chemicals and processes used by this type of business?

CIRCLE YES -- ☒ NO -- UNK

If yes, please explain.

Enviro-Ag Engineering, Inc.

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4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? *Property already owned.*

CIRCLE YES -- ☒ NO -- UNK

If you believe that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

CIRCLE ☒ YES or NO

If yes, please explain.

The price we paid for the property was reduced due to the assignment of the property to a trust because of ASARCO's bankruptcy.

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information that would help the environmental professional to identify conditions indicative of releases or threaten releases of hazardous materials and/or chemicals? For example, as user,

- Do you know of any past uses of the property? ☒ YES -- NO -- UNK
- Do you know of specific chemicals that are present or once were present at the property?
YES -- ☒ NO -- UNK
- Do you know of any chemical spills or any other chemical releases that have taken place at the property? ☒ YES -- NO -- UNK
- Do you know of any environmental cleanups that have taken place at the property? ☒ YES -- NO -- UNK

If any yes, please explain.

Property was adjacent to a property where ASARCO placed tailings from its mill. There was some contamination by wind-blown tailings which was cleaned up by a VRP (see answer to #2 above).

Part of the property was part of ~~the land~~ Ft Cody during WWI.

Enviro-Ag Engineering, Inc.

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6. *The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).*

As the user of this Environmental Site Assessment (ESA), based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of a contamination at the property?

CIRCLE YES -- (NO) -- UNK

If yes, please explain.

Completed By:

Gerald Smith

Print Name

Manager

Title



Sign Name

11/21/16

Date

Enviro-Ag Engineering, Inc.

Page 4

In addition, certain information should be collected, if available, and provided to the *environmental professional* selected to conduct the ESA. This information is intended to assist the *environmental professional* but is not necessarily required to qualify for one of the *LLPs*. The information includes:

- (a) The reason why the Phase I is being performed,
- (b) the type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.,
- (c) the complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful),
- (d) the scope of services desired for the Phase I (including whether any parties to the *property* transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527 are to be considered),
- (e) identification of all parties who will rely on the Phase I report,
- (f) identification of the site contact and how the contact can be reached,
- (g) any special terms and conditions which must be agreed upon by the *environmental professional*, and
- (h) any other knowledge or experience with the *property* that may be pertinent to the *environmental professional* (for example, copies of any available prior *environmental site assessment* reports, documents, correspondence, etc., concerning the *property* and its environmental condition).

All ~~prev~~ of these items have been previously addressed
in conversations ~~and~~ with and emails to Enviro Ag.

Completed By:

Gerald Smith

Print Name

Manager

Title

Sign Name

11/21/16

Date

Enviro-Ag Engineering, Inc.

Page 1

ENVIRONMENTAL SITE ASSESSMENT (ESA) SITE OWNER/USER QUESTIONNAIRE

EAE requires that the representative of Site Ownership of the ESA be interviewed. Please complete the information below, then please indicate Yes, No or Unknown in response to each question and provide detail where appropriate (continue on reverse of page if needed).

Property

Name:

Geo Southwest, Ltd

Address:

City/State/Zip

PROPERTY DESCRIPTION *Provide a Site Plan or appropriate map, if available*

Survey provided

Property Size:

Number of Building(s):

Size of Building(s):

Date of Construction:

For retail, office or industrial, please provide net rentable SF:

For multifamily, hotel, mobile home park, provide number of living units, guest rooms or pad sites:

UTILITIES & SERVICES

Provide the name of the contractor or utility providing the following:

N/A

Electric

Pest Control

Gas

HVAC Maintenance

Potable Water

Fire/Security

Sanitary Sewer

Elevator Maintenance

Storm Water

Roof Maintenance

Landscaping

Pool

Solid Waste

Other

1. Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property?

CIRCLE YES -- (NO) -- UNK

If yes, please explain.

Enviro-Ag Engineering, Inc.

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2. Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Subject Property?

CIRCLE ☒ YES -- NO -- UNK

If yes, please explain. Voluntary Remediation Program (VPR # 53043001) related to wind-blown tailings was satisfactorily completed by previous owner.

3. Any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

CIRCLE YES -- ☒ NO -- UNK

If yes, please explain.

4. Is the subject property or any adjoining property currently used, or have they ever been used, for industrial purposes?

CIRCLE ☒ YES -- NO -- UNK

If you believe that there is a difference, have you considered whether the lower purchase price is because of contamination is known or believed to be present at the property?

CIRCLE ☒ YES or NO

If yes, please explain. Lower price due to bankruptcy not contamination.

5. Is the property or any adjoining property currently used, or have they ever been used, as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing or recycling facility?

CIRCLE YES or ☒ NO

If any yes, please explain.

Enviro-Ag Engineering, Inc.

Page 3

6. *Has fill dirt been brought onto the property that originated from a contaminated site or that is of an unknown origin?*

CIRCLE YES -- ☒ NO -- UNK

If yes, please explain.

7. *Have there been previously, any pits, ponds, or lagoons located on the property in connection with waste treatment or disposal?*

CIRCLE YES -- ☒ NO -- UNK

If yes, please explain.

8. *Have any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried and/or burned, on the property?*

CIRCLE YES -- ☒ NO -- UNK

If yes, please explain.

9. *Are there currently or have there been previously, any registered or unregistered above ground or underground storage tanks or vent or fill pipes located on the property?*

CIRCLE YES -- NO -- ☒ UNK

If yes, please explain.

Enviro-Ag Engineering, Inc.

Page 4

10. Have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors? *N/A*

CIRCLE YES -- NO -- UNK

If yes, please explain.

11. Are there any electrical transformers, capacitors or hydraulic equipment on the subject property?

CIRCLE YES -- NO -- UNK

a) If so, who owns the equipment?

electric company

b) Has the equipment been sampled for PCBs?

CIRCLE YES -- NO -- UNK

Please explain.

Enviro-Ag Engineering, Inc.

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Please indicate in the right-hand column if copies will be provided or if the documents have already been provided to our client for distribution.

I have no knowledge of any of these items.

Document	Does/Does Not Exist (Yes/No)	Availability (copies to be provided or already provided to our client)
Environmental Site Assessment		
Environmental Compliance Audits		
UST and AST Registrations		
Registrations for underground injection systems		
Material safety data sheets		
Community right-to-know plan		
Safety plans		
Spill (SPCCC) plans		
Reports regarding hydro geologic conditions in the area		
Notices or other correspondence from government agencies relating to past or current violations of environmental laws with respect to the property of relating to environmental liens encumbering the property.		
Environmental permits		
Hazardous waste generator notices or reports		
Geotechnical studies		
Risk assessments		
Recorded activity and land use limitations		

This questionnaire was completed by:

Name: Gerald Smith Title: Mgr

Company: Geo Southwest, Ltd Years Associated with Property: 2

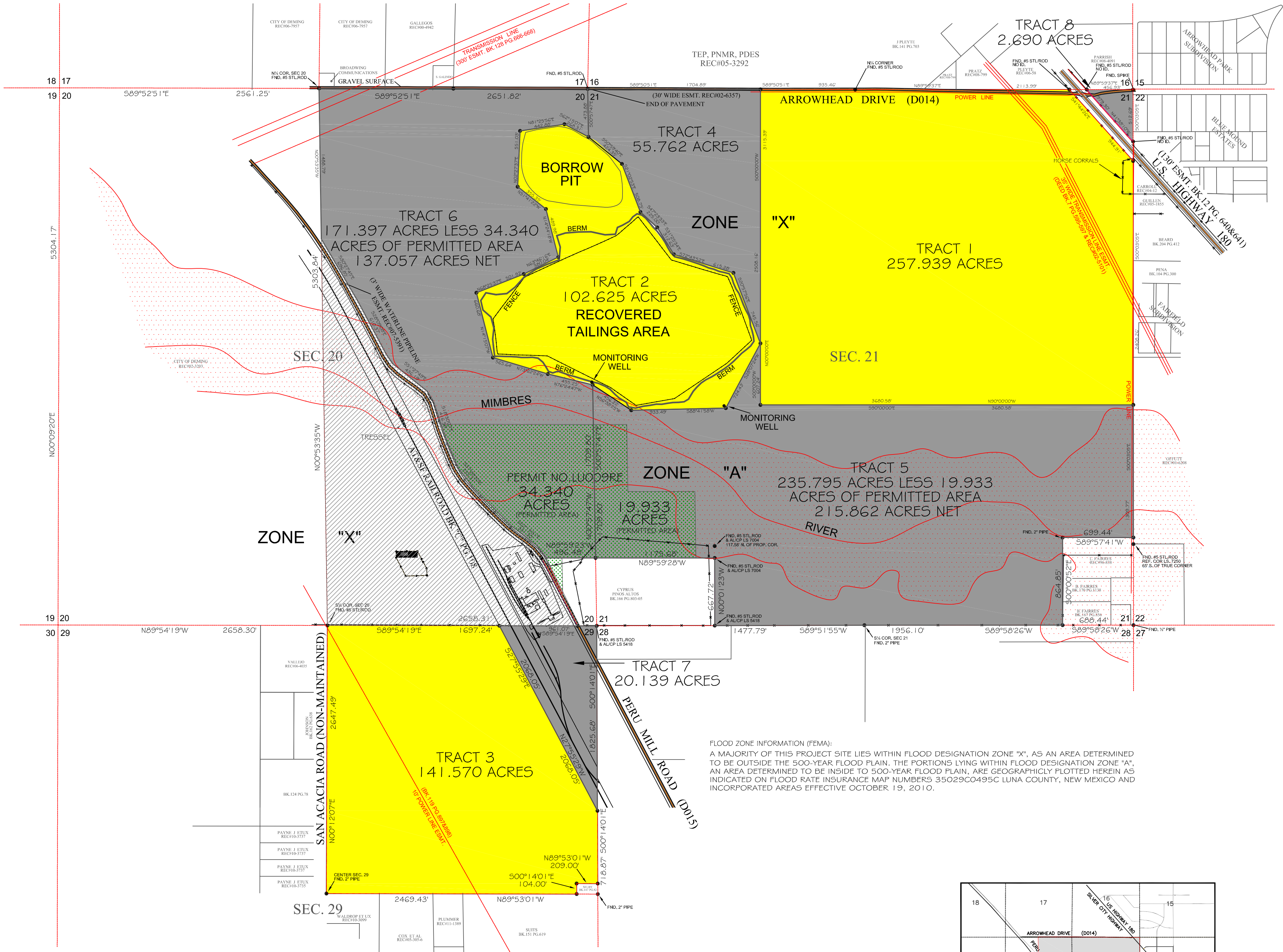
Signature: [Signature] Date: 11/21/16

ATTACHMENT 2

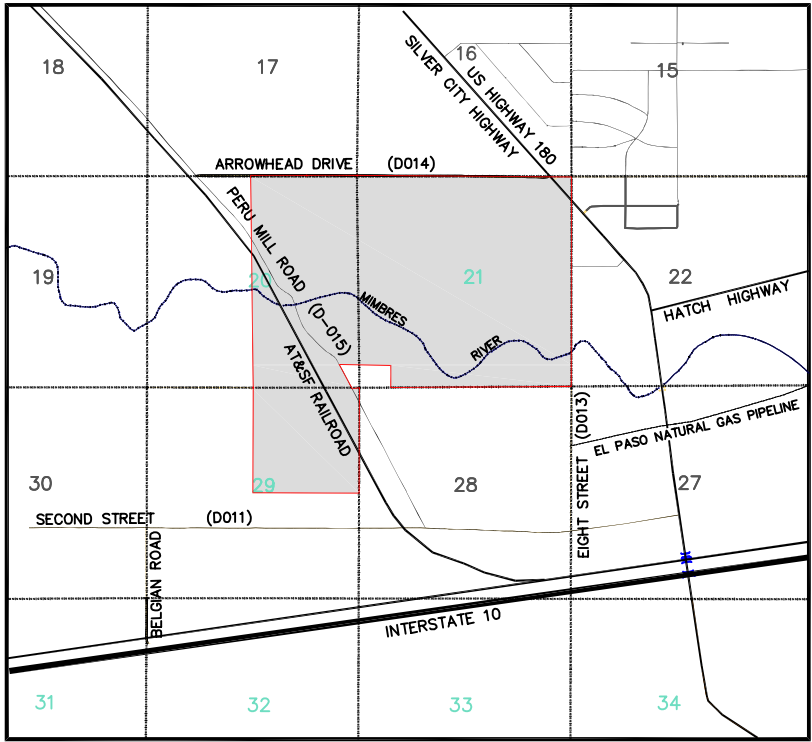
SURVEY PLAT OF
CERTAIN TRACTS OF LAND IN SECTIONS 20, 21 AND 29,
T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO
FOR
METAL SOUTHWEST LLC.

SEC. 17

SEC. 16



FLOOD ZONE INFORMATION (FEMA):
A MAJORITY OF THIS PROJECT SITE LIES WITHIN FLOOD DESIGNATION ZONE "X", AS AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOOD PLAIN. THE PORTIONS LYING WITHIN FLOOD DESIGNATION ZONE "A", AN AREA DETERMINED TO BE INSIDE TO 500-YEAR FLOOD PLAIN, ARE GEOGRAPHICALLY PLOTTED HEREIN AS INDICATED ON FLOOD RATE INSURANCE MAP NUMBERS 35029C0495C LUNA COUNTY, NEW MEXICO AND INCORPORATED AREAS EFFECTIVE OCTOBER 19, 2010.



DESCRIPTION
TRACT 1
A TRACT OF LAND SITUATE IN SECTION 21, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT THE NW CORNER OF THE TRACT HEREIN DESCRIBED, WHICH POINT BEARS S89°50'51"E, ALONG THE NORTH LINE OF THE NORTHWEST QUARTER (NW¼) OF SECTION 21, 1704.89 FEET FROM THE NW CORNER OF SAID SECTION 21; THENCE CONTINUING S89°50'51"E, ALONG SAID NORTH LINE OF THE NORTHWEST QUARTER (NW¼), 935.46 FEET TO THE NORTH QUARTER CORNER (N¼) OF SAID SECTION 21; THENCE N89°59'37"E, ALONG THE NORTH LINE OF THE NORTHEAST QUARTER (NE¼) OF SAID SECTION 21, 2113.99 FEET TO THE NE CORNER OF THIS TRACT; THENCE S41°44'26"E, ALONG THE WEST RIGHT-OF-WAY OF U.S. HIGHWAY 180, 944.91 FEET TO A POINT; THENCE S00°03'05"E, ALONG THE EAST LINE OF SAID SECTION 21, 2408.26 FEET TO THE SE CORNER OF THIS TRACT; THENCE N80°00'00"W, 3680.58 FEET TO THE SW CORNER OF THIS TRACT; THENCE N00°00'00"E, 3115.39 FEET TO THE POINT OF BEGINNING. THIS TRACT CONTAINS 257.939 ACRES MORE OR LESS AND IS SUBJECT TO RESERVATIONS, RESTRICTIONS AND EASEMENTS OF RECORD.

DESCRIPTION
TRACT 4
A TRACT OF LAND SITUATE IN THE NORTHWEST QUARTER (NW¼) OF SECTION 21, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO, AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT THE NW CORNER OF THIS TRACT, WHICH POINT IS THE NW CORNER OF SAID SECTION 21; THENCE S89°50'51"E, ALONG THE NORTH LINE OF SAID SECTION 21, 1704.89 FEET TO THE NE CORNER OF THIS TRACT; THENCE S00°00'00"W, 2508.16 FEET TO THE SE CORNER OF THIS TRACT; THENCE N20°57'56"W, 745.56 FEET TO A POINT; THENCE N72°43'52"W, 615.28 FEET TO A POINT; THENCE N31°25'34"W, 312.63 FEET TO A POINT; THENCE N47°23'33"W, 225.00 FEET TO A POINT; THENCE N21°02'53"W, 508.75 FEET TO A POINT; THENCE N50°59'40"W, 424.35 FEET TO A POINT; THENCE N00°57'47"W, 473.88 FEET TO THE POINT OF BEGINNING. THIS TRACT CONTAINS 55.762 ACRES MORE OR LESS AND IS SUBJECT TO RESERVATIONS, RESTRICTIONS AND EASEMENTS OF RECORD.

DESCRIPTION
TRACT 2
A TRACT OF LAND SITUATE WITHIN THE WEST HALF (W½) OF SECTION 21 AND THE EAST HALF (E½) OF SECTION 20, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT OF THE TRACT HEREIN BEING DESCRIBED, WHICH POINT BEARS S00°57'47"E, ALONG THE EAST LINE OF SAID SECTION 20, 473.88 FEET FROM THE NE CORNER OF SAID SECTION 20; THENCE S50°59'40"E, 424.35 FEET TO A POINT; THENCE S21°02'53"E, 508.75 FEET TO A POINT; THENCE S47°23'33"E, 225.00 FEET TO A POINT; THENCE S31°25'34"E, 312.63 FEET TO A POINT; THENCE S72°43'52"E, 615.28 FEET TO A POINT; THENCE S20°57'56"E, 745.56 FEET TO A POINT; THENCE S28°07'24"W, 724.43 FEET TO A POINT; THENCE S68°41'58"W, 933.49 FEET TO A POINT; THENCE N56°38'25"W, 456.22 FEET TO A POINT; THENCE N56°38'25"W, 455.25 FEET TO A POINT; THENCE N73°22'24"W, 565.64 FEET TO A POINT; THENCE N14°15'07"W, 660.68 FEET TO A POINT; THENCE N68°25'37"E, 501.92 FEET TO A POINT; THENCE N63°46'16"E, 380.04 FEET TO A POINT; THENCE N14°24'18"W, 489.98 FEET TO A POINT; THENCE N51°14'12"W, 355.35 FEET TO A POINT; THENCE N02°27'37"E, 551.03 FEET TO A POINT; THENCE N61°25'56"E, 442.88 FEET; THENCE S62°15'07"E, 268.31 FEET TO THE POINT OF BEGINNING. THIS TRACT CONTAINS 102.625 ACRES MORE OR LESS AND IS SUBJECT TO RESERVATIONS, RESTRICTIONS AND EASEMENTS OF RECORD.

DESCRIPTION
TRACT 5
A TRACT OF LAND SITUATE IN SECTION 21, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT THE SE CORNER OF THIS TRACT, WHICH POINT BEARS S89°58'26"W, ALONG THE SOUTH LINE OF SAID SECTION 21, 699.44 FEET FROM THE SE CORNER OF SAID SECTION 21; THENCE CONTINUING S89°58'26"W, ALONG SAID SOUTH LINE OF SAID SECTION 21, 1956.10 FEET TO THE SOUTH QUARTER (S¼) CORNER OF SAID SECTION 21; THENCE S89°51'55"W, ALONG SAID SOUTH LINE OF SAID SECTION 21, 1477.79 FEET TO A POINT; THENCE N00°01'12"W, 667.72 FEET TO A POINT; THENCE N89°59'28"W, 1175.68 FEET TO A POINT; THENCE N00°57'47"W, ALONG THE WEST LINE OF SAID SECTION 21, 1709.80 FEET TO A POINT; THENCE S56°38'25"E, 456.22 FEET TO A POINT; THENCE N88°41'58"E, 933.49 FEET TO A POINT; THENCE N28°07'24"E, 724.43 FEET TO A POINT; THENCE S00°00'00"W, 607.24; THENCE S00°00'00"E, 3680.58 FEET TO A POINT; THENCE S00°03'05"E, ALONG THE EAST LINE OF SAID SECTION 21, 1309.77 FEET TO A POINT; THENCE S89°57'41"W, 699.44 FEET TO A POINT; THENCE S00°00'52"E, 864.85 FEET TO THE POINT OF BEGINNING. THIS TRACT CONTAINS 126.358 ACRES MORE OR LESS AND IS SUBJECT TO RESERVATIONS, RESTRICTIONS AND EASEMENTS OF RECORD.

DESCRIPTION
TRACT 7
A TRIANGULAR TRACT OF LAND BEING THAT PART OF THE NORTHEAST QUARTER (NE¼), SECTION 29, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO, LYING EAST OF THE EAST RIGHT-OF-WAY OF THE AT 4 5F RAILROAD AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT THE NE CORNER OF SAID SECTION 29, WHICH POINT IS THE NE CORNER OF THE TRACT HEREIN DESCRIBED; THENCE S00°14'01"E ALONG THE EAST LINE OF SAID NE¼, 1825.68 FEET TO THE SOUTHERLY POINT OF THIS TRACT; THENCE N27°55'29"W ALONG THE WEST RIGHT-OF-WAY OF SAID AT 4 5F RAILROAD, 2068.05 TO THE NW CORNER OF THIS TRACT; THENCE S89°54'19"E ALONG THE NORTH LINE OF SAID NE¼, 961.07 FEET TO THE POINT OF BEGINNING. THIS TRACT CONTAINS 20.139 ACRES MORE OR LESS AND IS SUBJECT TO RESERVATIONS, RESTRICTIONS AND EASEMENTS OF RECORD.

DESCRIPTION
TRACT 3
A TRACT OF LAND SITUATE IN THE NORTHEAST QUARTER (NE¼) OF SECTION 29, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO, AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTH QUARTER (N¼) CORNER OF SAID SECTION 29, WHICH POINT IS THE NW CORNER OF THE TRACT HEREIN BEING DESCRIBED; THENCE S89°54'19"E, ALONG THE NORTH LINE OF THE NORTHEAST (NE¼) OF SAID SECTION 29, 1697.24 FEET TO THE NE CORNER OF THIS TRACT; THENCE S27°55'29"E, ALONG THE WEST RIGHT-OF-WAY OF THE AT 4 5F RAILROAD, 2068.05 FEET TO A POINT; THENCE S00°14'01"E, ALONG THE EAST LINE OF SAID SECTION 29, 718.87 FEET TO THE SE CORNER OF THIS TRACT; THENCE N89°53'01"W, 209.00 FEET TO A POINT; THENCE S00°14'01"E, 104.00 FEET TO A POINT; THENCE N89°53'01"W, ALONG THE EAST-WEST CENTER SECTION LINE OF SAID SECTION 29, 2469.43 FEET TO THE SW CORNER OF THIS TRACT; THENCE N00°12'07"E, ALONG THE NORTH-SOUTH CENTER SECTION LINE OF SAID SECTION 29, 2647.49 FEET TO THE POINT OF BEGINNING. THIS TRACT CONTAINS 141.57 ACRES MORE OR LESS AND IS SUBJECT TO RESERVATIONS, RESTRICTIONS AND EASEMENTS OF RECORD.

DESCRIPTION
TRACT 6
A TRACT OF LAND SITUATE IN SECTION 20, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT THE NW CORNER OF THIS TRACT, WHICH POINT IS THE NORTH QUARTER CORNER (N¼) OF SAID SECTION 20; THENCE S89°52'51"E, ALONG THE NORTH LINE OF SAID SECTION 20, 2651.82 FEET TO THE NE CORNER OF SAID SECTION 20, AND THE NE CORNER OF THIS TRACT; THENCE S00°57'47"E, ALONG THE EAST LINE OF SAID SECTION 20, 473.88 FEET TO A POINT; THENCE N62°15'07"W, 268.31 FEET TO A POINT; THENCE S81°25'56"W, 442.88 FEET TO A POINT; THENCE S02°27'37"W, 551.03 FEET TO A POINT; THENCE S51°41'22"E, 355.35 FEET TO A POINT; THENCE S14°24'18"E, 489.98 FEET TO A POINT; THENCE S63°46'16"W, 380.04 FEET TO A POINT; THENCE S68°25'37"W, 501.92 FEET TO A POINT; THENCE S14°15'07"E, 660.68 FEET TO A POINT; THENCE S73°22'24"E, 565.64 FEET TO A POINT; THENCE S76°24'47"E, 455.25 FEET TO A POINT; THENCE S00°57'47"E, ALONG THE EAST LINE OF SAID SECTION 20, 1709.80 FEET TO THE SE CORNER OF THIS TRACT; THENCE N89°59'23"W, 456.48 FEET TO A POINT ON A LINE BEING APPROXIMATELY 40.00 FEET EAST OF THE CENTERLINE OF PERU MILL ROAD (COUNTY ROAD D015); THENCE CONTINUING ALONG SAID LINE, N37°42'17"W, 155.16 FEET TO A POINT; THENCE N52°13'31"W, 331.30 FEET TO A POINT; THENCE N44°37'02"W, 527.42 FEET TO A POINT; THENCE N37°28'30"W, 233.31 FEET TO A POINT; THENCE N23°15'38"W, 268.20 FEET TO A POINT; THENCE N18°30'07"W, 416.58 FEET TO A POINT; THENCE N31°15'26"W, 117.07 FEET TO A POINT; THENCES 127°49'W, 436.19 FEET TO A POINT; THENCE N34°12'11"W, 110.66 FEET TO A POINT; THENCE N28°09'08"W, 610.37 FEET TO A POINT; THENCE N30°27'45"W, 696.85 FEET TO A POINT AT THE INTERSECTION OF THE NORTH-SOUTH CENTER SECTION LINE OF SAID SECTION 20; THENCE N00°53'35"W ALONG SAID NORTH-SOUTH CENTER SECTION LINE, 1488.79 FEET TO THE POINT OF BEGINNING. THIS TRACT CONTAINS 171.397 ACRES MORE OR LESS AND IS SUBJECT TO RESERVATIONS, RESTRICTIONS AND EASEMENTS OF RECORD.

DESCRIPTION
TRACT 8
A TRIANGULAR TRACT OF LAND BEING THAT PART OF THE NORTHEAST QUARTER (NE¼), SECTION 21, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO, LYING EAST OF THE EAST RIGHT-OF-WAY OF NEW MEXICO STATE HIGHWAY NO. 180, AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT THE NE CORNER OF SAID SECTION 21, WHICH POINT IS THE NE CORNER OF THE TRACT HEREIN DESCRIBED; THENCE S00°03'05"E ALONG THE EAST LINE OF SAID NE¼, 512.69 FEET TO THE SOUTHERLY POINT OF THIS TRACT; THENCE N41°38'01"W ALONG THE EAST RIGHT-OF-WAY OF SAID HIGHWAY NO. 180, 979.30 FEET TO THE NW CORNER OF THIS TRACT; THENCE N89°50'51"E ALONG THE NORTH LINE OF SAID NE¼, 456.93 FEET TO THE POINT OF BEGINNING. THIS TRACT CONTAINS 2.69 ACRES MORE OR LESS AND IS SUBJECT TO RESERVATIONS, RESTRICTIONS AND EASEMENTS OF RECORD.

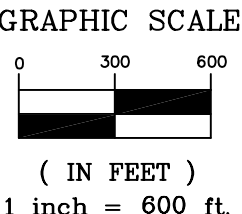
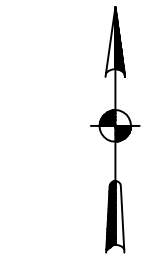
BASIS OF BEARING
S89°58'26"W ALONG THE SOUTH LINE OF THE E½ OF SECTION 21
BETWEEN FOUND SECTION CORNERS, AS PER GPS OBSERVATION

LEGEND

ZONE "A" = NO BASE FLOOD ELEVATIONS DETERMINED
ZONE "X" = AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN

PROPERTY CORNERS SET
#4 STEEL ROD & PLACAP
LS 9829 OR AS INDICATED

EXISTING FENCES



QUARRELL SURVEYING
913 S. DIAMOND AVE.
P.O. BOX 908
DEMING, NM
(575)546-8021
FAX (575)546-3256

DOCUMENTS USED FOR THIS SURVEY
DEEDS: BK.4 PG.111, BK.8 PG.176, BK.8 PG.319, BK.9 PG.116, BK.9 PG.173, BK.10 PG.142, BK.20 PG.407 & BK.166 PGS.803-805, AND THOSE SHOWN AS ADDENDUMS.
ESMT: DEEDS: BK.4 PGS.70-71, BK.7 PGS.595-597, BK.10 PGS.328-330, BK.12 PGS.684-681, BK.13 PGS.533-534, BK.40 PGS.3-4, BK.11 PGS.897-898, BK.128 PGS.666-668, BK.173 PGS.274-275, REC.#02-5101, REC.#07-5391, REC.#02-6357

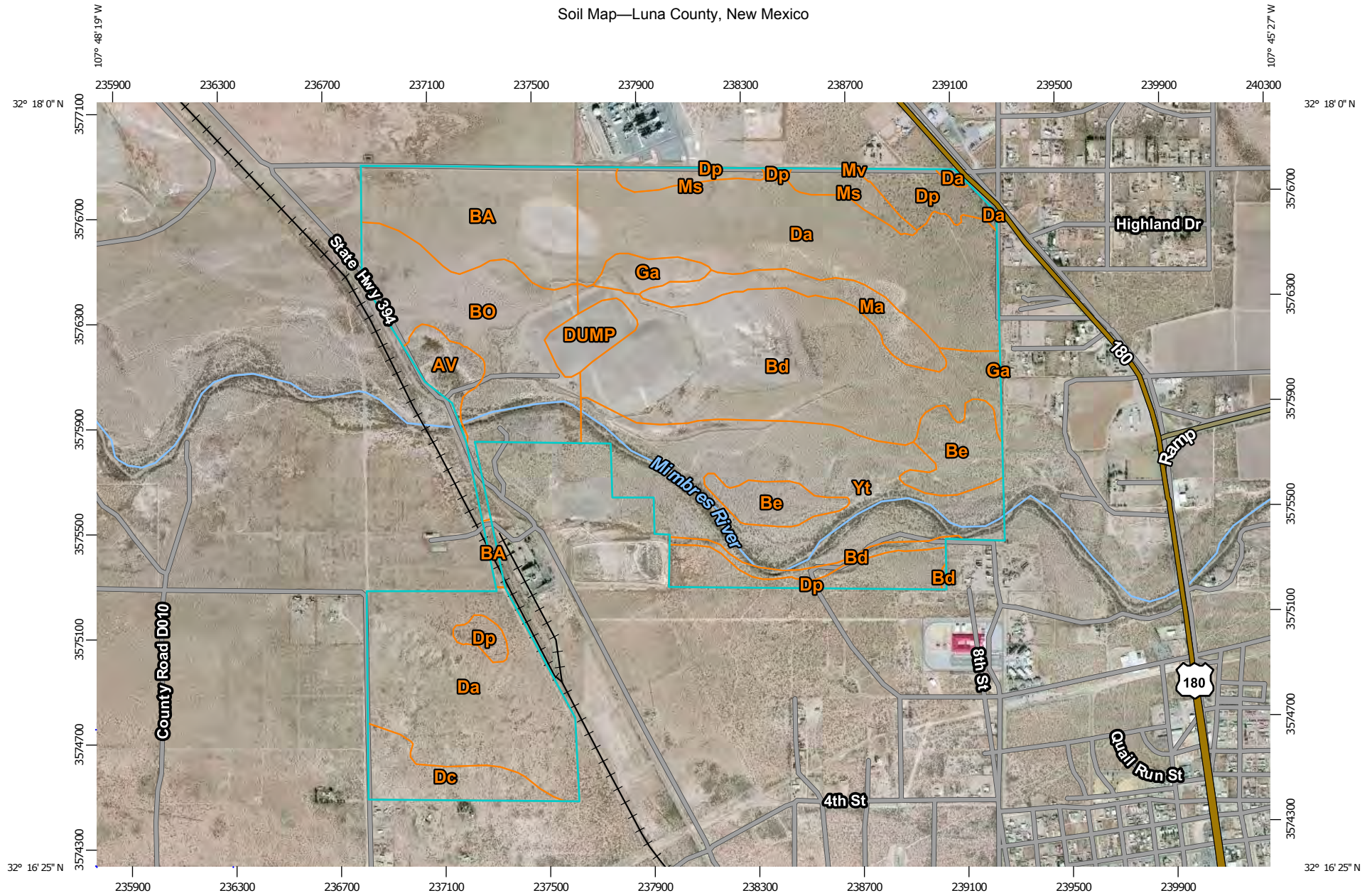
CERTIFICATION

Deming, Luna County, New Mexico, August 20th, 2012.
I Frank L. Quarrell, hereby certify that I am the Registered Land Surveyor who prepared this plat from notes of an actual survey conducted by me or under my supervision and that the same are true and correct to the best of my knowledge and belief. This plat meets the Minimum Requirements of the Standards for Land Surveys in New Mexico.

Professional Land Surveyor

LS 9829

Soil Map—Luna County, New Mexico



Map Scale: 1:20,500 if printed on A landscape (11" x 8.5") sheet.

0 300 600 1200 1800 Meters

0 500 1000 2000 3000 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84




**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

11/28/2016
Page 1 of 3


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Luna County, New Mexico

Survey Area Data: Version 12, Sep 26, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 15, 2011—Feb 23, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Luna County, New Mexico (NM029)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AV	Arizo and Vinton soils	14.1	1.5%
BA	Berino and Mohave soils	75.2	8.1%
Bd	Bluepoint loamy sand, 0 to 5 percent slopes MLRA 42	162.5	17.6%
Be	Bluepoint loamy sand, 0 to 3 percent slopes, hummocky	39.9	4.3%
BO	Bluepoint-Onite association	95.1	10.3%
Da	Dona Ana sandy loam	251.6	27.2%
Dc	Dona Ana sandy clay loam	26.0	2.8%
Dp	Dona Ana-Pintura complex, eroded	49.8	5.4%
DUMP	Mine dump	14.7	1.6%
Ga	Gila sandy loam	11.0	1.2%
Ma	Maricopa sandy loam	28.0	3.0%
Ms	Mohave sandy loam, 0 to 1 percent slopes	19.8	2.1%
Mv	Mohave-Pintura complex, eroded	0.1	0.0%
Yt	Yturbide loamy sandy	136.1	14.7%
Totals for Area of Interest		923.6	100.0%

ATTACHMENT 3

Geo Southwest Deming

US Highway 180

Deming, NM 88030

Inquiry Number: 04786568.2r

November 21, 2016

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report 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 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

US HIGHWAY 180
DEMING, NM 88030

COORDINATES

Latitude (North): 32.2875810 - 32° 17' 15.29"
Longitude (West): 107.7833240 - 107° 46' 59.96"
Universal Transverse Mercator: Zone 13
UTM X (Meters): 237873.8
UTM Y (Meters): 3575526.5
Elevation: 4356 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5965686 DEMING WEST, NM
Version Date: 2013

East Map: 5965684 DEMING EAST, NM
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140604
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
US HIGHWAY 180
DEMING, NM 88030

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	TULIP DRIVE LANDFILL	1 MILE NORTH OF DEMI	FINDS	Higher	2923, 0.554, ENE
2	DEMING MILL	S R 394	UST	Higher	3578, 0.678, South
3	WILLIAMS CATTLE TRAI	UNKNOWN LOCATION	FINDS	Higher	3594, 0.681, NNW
4	LUNA ENERGY FACILITY	1895 ARROWHEAD NW	RCRA-CESQG, ICIS, US AIRS, FINDS, ECHO	Higher	3717, 0.704, North
5	NEW MEXICO SMELTER A	2000 W 2ND ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	5162, 0.978, South
6	ROCKY MOUNTAIN TRANS	3105 SILVER CITY HWY	LAST, LUST, LTANKS, AST, TANKS	Higher	5756, 1.090, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

EXECUTIVE SUMMARY

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SCS..... State Cleanup Sites Listing

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

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

AST..... Aboveground Storage Tanks List

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

TANKS..... Storage Tank Facility Listing

State and tribal institutional control / engineering control registries

INST CONTROL..... Sites with Institutional Controls

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Remediation Program Sites

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Facility Listing

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

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

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

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

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Spill Data

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US MINES..... Mines Master Index File
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
UXO..... Unexploded Ordnance Sites
AIRS..... Airs Information
ASBESTOS..... List of Asbestos Demolition and Renovations Jobs
MINES..... Coal Mine Permits Database
DRYCLEANERS..... Drycleaner Facility Listing
Financial Assurance..... Financial Assurance Information
NPDES..... List of Discharge Permits
FUELS PROGRAM..... EPA Fuels Program Registered Listing
ABANDONED MINES..... Abandoned Mines

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Auto..... EDR Exclusive Historic Gas Stations
EDR Hist Cleaner..... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

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 generators list

RCRA-CESQG: 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/21/2016 has revealed that there is 1 RCRA-CESQG site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>LUNA ENERGY FACILITY</i>	<i>1895 ARROWHEAD NW</i>	<i>N 1/2 - 1 (0.704 mi.)</i>	<i>4</i>	<i>9</i>

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 is 1 LUST site within approximately 1.25 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROCKY MOUNTAIN TRANS Facility Id: 54399 Facility Status: NFA, Suspected Release	3105 SILVER CITY HWY	NE 1 - 2 (1.090 mi.)	6	32

LAST: N/A.

A review of the LAST list, as provided by EDR, and dated 05/01/2006 has revealed that there is 1 LAST site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROCKY MOUNTAIN TRANS Facility Id: 4366	3105 SILVER CITY HWY	NE 1 - 2 (1.090 mi.)	6	32

LTANKS: A listing of leaking storage tank site locations.

A review of the LTANKS list, as provided by EDR, and dated 07/06/2016 has revealed that there is 1 LTANKS site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROCKY MOUNTAIN TRANS Status: No Further Action, Suspected Release Facility Id: 54399	3105 SILVER CITY HWY	NE 1 - 2 (1.090 mi.)	6	32

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 is 1 UST site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DEMING MILL Facility Id: 27660 Tank Status: REMOVED	S R 394	S 1/2 - 1 (0.678 mi.)	2	8

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting

EXECUTIVE SUMMARY

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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/21/2016 has revealed that there is 1 RCRA NonGen / NLR site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEW MEXICO SMELTER A	2000 W 2ND ST	S 1/2 - 1 (0.978 mi.)	5	31

ICIS: 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.

A review of the ICIS list, as provided by EDR, and dated 07/27/2016 has revealed that there is 1 ICIS site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LUNA ENERGY FACILITY	1895 ARROWHEAD NW	N 1/2 - 1 (0.704 mi.)	4	9

US AIRS: The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

A review of the US AIRS list, as provided by EDR, has revealed that there is 1 US AIRS site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LUNA ENERGY FACILITY	1895 ARROWHEAD NW	N 1/2 - 1 (0.704 mi.)	4	9

Database: US AIRS (AFS), Date of Government Version: 06/30/2016

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/15/2016 has revealed that there are 3 FINDS sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TULIP DRIVE LANDFILL	1 MILE NORTH OF DEMI	ENE 1/2 - 1 (0.554 mi.)	1	8
WILLIAMS CATTLE TRAI	UNKNOWN LOCATION	NNW 1/2 - 1 (0.681 mi.)	3	8
LUNA ENERGY FACILITY	1895 ARROWHEAD NW	N 1/2 - 1 (0.704 mi.)	4	9

EXECUTIVE SUMMARY

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 09/18/2016 has revealed that there is 1 ECHO site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>LUNA ENERGY FACILITY</i>	<i>1895 ARROWHEAD NW</i>	<i>N 1/2 - 1 (0.704 mi.)</i>	<i>4</i>	<i>9</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

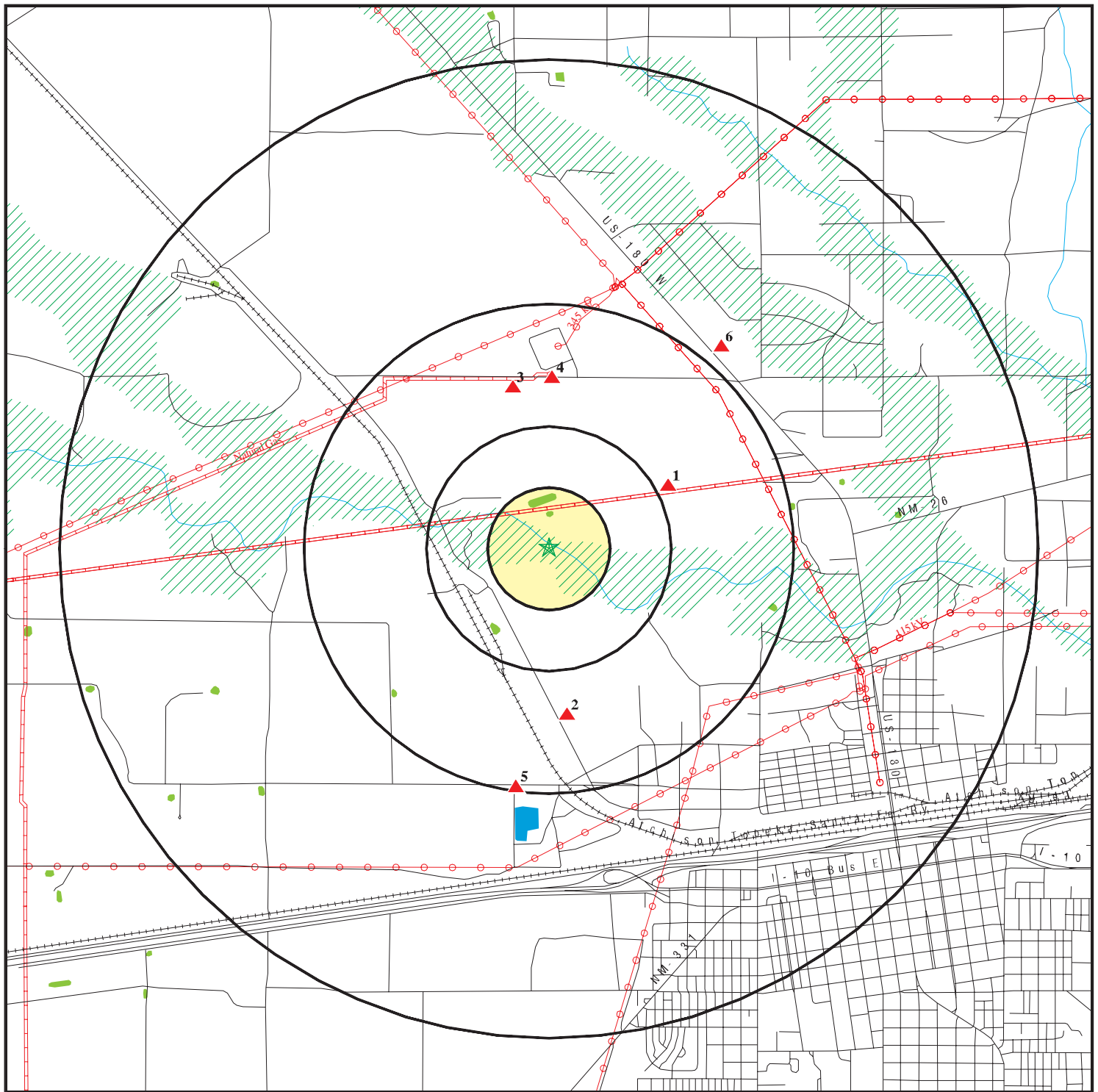
Site Name

DEMING LANDFILL - TEMPORARY TIRE B
MRI CORPORATION
COOKE'S PEAK COLLECTION CENTER

Database(s)

SWF/LF, SWRCY
SEMS-ARCHIVE
SWF/LF

OVERVIEW MAP - 04786568.2R



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

— Power transmission lines

— Pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

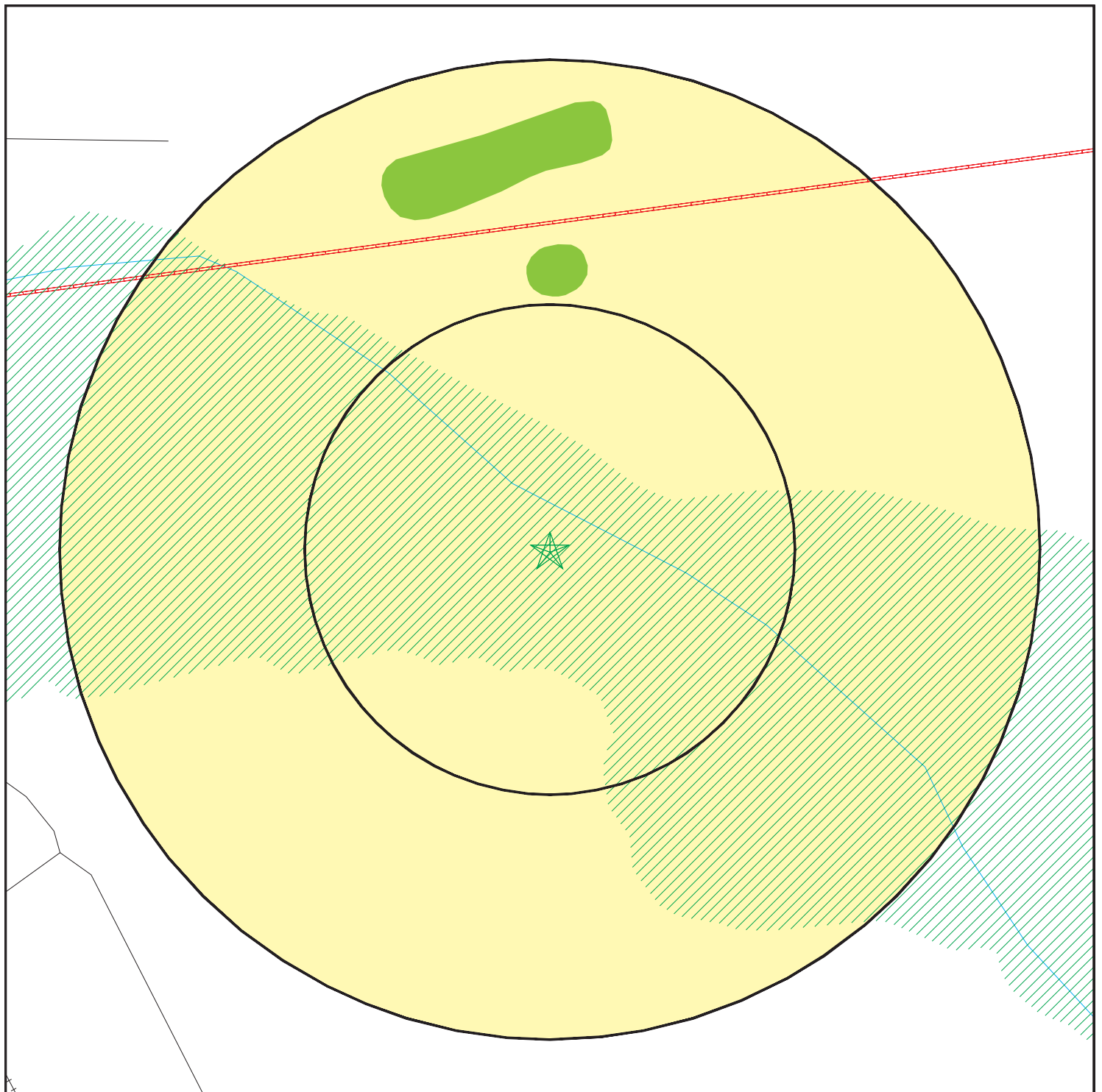
■ State Wetlands

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: Geo Southwest Deming
ADDRESS: US Highway 180
Deming NM 88030
LAT/LONG: 32.287581 / 107.783324

CLIENT: Enviro-Ag
CONTACT: Alicia Barley
INQUIRY #: 04786568.2r
DATE: November 21, 2016 12:47 pm

DETAIL MAP - 04786568.2R



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- 🔴 Pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory
- 🌿 State Wetlands

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: Geo Southwest Deming
 ADDRESS: US Highway 180
 Deming NM 88030
 LAT/LONG: 32.287581 / 107.783324

CLIENT: Enviro-Ag
 CONTACT: Alicia Barley
 INQUIRY #: 04786568.2r
 DATE: November 21, 2016 12:48 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.750		0	0	0	0	0	0
Proposed NPL	1.750		0	0	0	0	0	0
NPL LIENS	0.750		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.750		0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	1.250		0	0	0	0	0	0
SEMS	1.250		0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	1.250		0	0	0	0	0	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.750		0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	1.250		0	0	0	0	0	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	1.000		0	0	0	0	NR	0
RCRA-SQG	1.000		0	0	0	0	NR	0
RCRA-CESQG	1.000		0	0	0	1	NR	1
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	1.250		0	0	0	0	0	0
US ENG CONTROLS	1.250		0	0	0	0	0	0
US INST CONTROL	1.250		0	0	0	0	0	0
<i>Federal ERNS list</i>								
ERNS	0.750		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SCS	1.000		0	0	0	0	NR	0
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	1.250		0	0	0	0	0	0
<i>State and tribal leaking storage tank lists</i>								
LUST	1.250		0	0	0	0	1	1
LAST	1.250		0	0	0	0	1	1
INDIAN LUST	1.250		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LTANKS	1.250		0	0	0	0	1	1
State and tribal registered storage tank lists								
FEMA UST	1.000		0	0	0	0	NR	0
UST	1.000		0	0	0	1	NR	1
AST	1.000		0	0	0	0	NR	0
INDIAN UST	1.000		0	0	0	0	NR	0
TANKS	1.000		0	0	0	0	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	1.250		0	0	0	0	0	0
State and tribal voluntary cleanup sites								
INDIAN VCP	1.250		0	0	0	0	0	0
VCP	1.250		0	0	0	0	0	0
State and tribal Brownfields sites								
BROWNFIELDS	1.250		0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	1.250		0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	1.250		0	0	0	0	0	0
INDIAN ODI	1.250		0	0	0	0	0	0
DEBRIS REGION 9	1.250		0	0	0	0	0	0
ODI	1.250		0	0	0	0	0	0
IHS OPEN DUMPS	1.250		0	0	0	0	0	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.750		0	0	0	0	NR	0
CDL	0.750		0	0	0	0	NR	0
US CDL	0.750		0	0	0	0	NR	0
Local Land Records								
LIENS 2	0.750		0	0	0	0	NR	0
Records of Emergency Release Reports								
HMIRS	0.750		0	0	0	0	NR	0
SPILLS	0.750		0	0	0	0	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	1.000		0	0	0	1	NR	1
FUDS	1.750		0	0	0	0	0	0
DOD	1.750		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SCRD DRYCLEANERS	1.250		0	0	0	0	0	0
US FIN ASSUR	0.750		0	0	0	0	NR	0
EPA WATCH LIST	0.750		0	0	0	0	NR	0
2020 COR ACTION	1.000		0	0	0	0	NR	0
TSCA	0.750		0	0	0	0	NR	0
TRIS	0.750		0	0	0	0	NR	0
SSTS	0.750		0	0	0	0	NR	0
ROD	1.750		0	0	0	0	0	0
RMP	0.750		0	0	0	0	NR	0
RAATS	0.750		0	0	0	0	NR	0
PRP	0.750		0	0	0	0	NR	0
PADS	0.750		0	0	0	0	NR	0
ICIS	0.750		0	0	0	1	NR	1
FTTS	0.750		0	0	0	0	NR	0
MLTS	0.750		0	0	0	0	NR	0
COAL ASH DOE	0.750		0	0	0	0	NR	0
COAL ASH EPA	1.250		0	0	0	0	0	0
PCB TRANSFORMER	0.750		0	0	0	0	NR	0
RADINFO	0.750		0	0	0	0	NR	0
HIST FTTS	0.750		0	0	0	0	NR	0
DOT OPS	0.750		0	0	0	0	NR	0
CONSENT	1.750		0	0	0	0	0	0
INDIAN RESERV	1.750		0	0	0	0	0	0
FUSRAP	1.750		0	0	0	0	0	0
UMTRA	1.250		0	0	0	0	0	0
LEAD SMELTERS	0.750		0	0	0	0	NR	0
US AIRS	0.750		0	0	0	1	NR	1
US MINES	1.000		0	0	0	0	NR	0
FINDS	0.750		0	0	0	3	NR	3
DOCKET HWC	0.750		0	0	0	0	NR	0
UXO	1.750		0	0	0	0	0	0
AIRS	0.750		0	0	0	0	NR	0
ASBESTOS	0.750		0	0	0	0	NR	0
MINES	1.000		0	0	0	0	NR	0
DRYCLEANERS	1.000		0	0	0	0	NR	0
Financial Assurance	0.750		0	0	0	0	NR	0
NPDES	0.750		0	0	0	0	NR	0
ECHO	0.750		0	0	0	1	NR	1
FUELS PROGRAM	1.000		0	0	0	0	NR	0
ABANDONED MINES	0.750		0	0	0	0	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.750	0	0	0	0	0	0
EDR Hist Auto	0.875	0	0	0	0	NR	0
EDR Hist Cleaner	0.875	0	0	0	0	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.750	0	0	0	0	NR	0
--------	-------	---	---	---	---	----	---

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
RGA LUST	0.750		0	0	0	0	NR	0
- Totals --		0	0	0	0	9	3	12

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
ENE
1/2-1
0.554 mi.
2923 ft.

TULIP DRIVE LANDFILL
1 MILE NORTH OF DEMING, SE OF THE INTERSECTION OF
DEMING, NM 88031

FINDS **1009423677**
N/A

Relative:
Higher

FINDS:

Registry ID: 110022686869

Actual:
4362 ft.

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

2
South
1/2-1
0.678 mi.
3578 ft.

DEMING MILL
S R 394
DEMING, NM 88031

UST **U003190828**
N/A

Relative:
Higher

UST:

Facility ID: 27660
Secondary Address: Not reported
Owner ID: 14027
Owner Name: ASARCO LLC
Owner Address: 2575 E. CAMELBACK RD
Owner Address 2: SUITE 500
Owner City,St,Zip: PHOENIX, AZ 85016
Owner Telephone: 602-977-6500

Actual:
4362 ft.

Tank ID: 23612
Tank Status: REMOVED
Tank Type: Underground
Tank Capacity: 1000
Tank Substance: UNLEADED GASOLINE

Tank ID: 23613
Tank Status: REMOVED
Tank Type: Underground
Tank Capacity: 317
Tank Substance: DIESEL

3
NNW
1/2-1
0.681 mi.
3594 ft.

WILLIAMS CATTLE TRAILER WASH
UNKNOWN LOCATION
DEMING, NM 87035

FINDS **1009421739**
N/A

Relative:
Higher

FINDS:

Registry ID: 110022677575

Actual:
4378 ft.

Environmental Interest/Information System
New Mexico Tools for Environmental Management and Protection
Organizations (NM-TEMPO) is New Mexico's environmental management

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WILLIAMS CATTLE TRAILER WASH (Continued)

1009421739

system.

4
North
1/2-1
0.704 mi.
3717 ft.

LUNA ENERGY FACILITY
1895 ARROWHEAD NW
DEMING, NM 88030

RCRA-CESQG
ICIS
US AIRS
FINDS
ECHO

1004754606
NMR000006338

Relative:
Higher

RCRA-CESQG:

Actual:
4373 ft.

Date form received by agency: 12/14/2005
Facility name: LUNA ENERGY FACILITY
Facility address: 1895 ARROWHEAD NW
DEMING, NM 88030
EPA ID: NMR000006338
Mailing address: ARROWHEAD NW
DEMING, NM 88030
Contact: MARK DEWOLF
Contact address: ARROWHEAD NW
DEMING, NM 88030
Contact country: US
Contact telephone: (505) 543-0452
Contact email: Not reported
EPA Region: 06
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: PUBLIC SERVICE CO OF NEW MEXICO
Owner/operator address: ARROWHEAD DR
DEMING, NM 88030
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/13/2004
Owner/Op end date: Not reported
Owner/operator name: DUKE ENERGY NORTH AMERICA LLC
Owner/operator address: 5400 WESTHEIMER CT
HOUSTON, TX 77056
Owner/operator country: Not reported
Owner/operator telephone: (713) 627-5512

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NORTH AMERICAN ENERGY SERVICES
Owner/operator address: ARROWHEAD DR
DEMING, NM 88030

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/15/2005
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
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: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/26/2001
Site name: DUKE ENERGY LUNA LLC
Classification: Small Quantity Generator

Waste code: F003
Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/14/2002
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Evaluation lead agency: State

ICIS:

Enforcement Action ID: NM000A0000350290001300019
FRS ID: 110012245784
Action Name: LUNA ENERGY FACILITY 350290001300019
Facility Name: LUNA ENERGY FACILITY
Facility Address: 1895 ARROWHEAD DRIVE
DEMING, NM 88030
Enforcement Action Type: Administrative Order
Facility County: LUNA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.29776
Longitude in Decimal Degrees: -107.76416
Permit Type Desc: Not reported
Program System Acronym: NM0000003502900013
Facility NAICS Code: 999999
Tribal Land Code: Not reported

Enforcement Action ID: NM000A0000350290001300018
FRS ID: 110012245784
Action Name: LUNA ENERGY FACILITY 350290001300018
Facility Name: LUNA ENERGY FACILITY
Facility Address: 1895 ARROWHEAD DRIVE
DEMING, NM 88030
Enforcement Action Type: Notice of Violation
Facility County: LUNA
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 32.29776
Longitude in Decimal Degrees: -107.76416
Permit Type Desc: Not reported
Program System Acronym: NM0000003502900013
Facility NAICS Code: 999999
Tribal Land Code: Not reported

US AIRS (AFS):

Envid: 1004754606
Region Code: 06
County Code: NM029
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
D and B Number: Not reported
Facility Site Name: LUNA ENERGY FACILITY
Primary SIC Code: 4911
NAICS Code: 999999
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

HPV Status: Not reported

US AIRS (AFS):

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Acid Rain Deposition Control (CAA Title IV)
Activity Date: 2015-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Ambient Air Quality Standards (NAAQS)
Activity Date: 2015-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not reported
Activity Status Date: 2010-03-04 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-03-29 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2007-09-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2008-03-05 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2009-06-22 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2009-08-04 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-03-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06

Map ID
Direction
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2013-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2013-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2014-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-11-24 00:00:00
Activity Status Date: 2009-11-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-08-17 00:00:00
Activity Status Date: 2009-08-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: Not reported
Activity Status Date: 2010-03-04 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2006-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2007-09-20 00:00:00

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Significant Deterioration of Air Quality
Activity Date:	2008-03-05 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Significant Deterioration of Air Quality
Activity Date:	2009-06-22 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Significant Deterioration of Air Quality
Activity Date:	2009-08-04 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Significant Deterioration of Air Quality
Activity Date:	2010-09-22 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR

Map ID
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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2011-03-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2011-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2011-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2012-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2012-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06

Map ID
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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2013-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2013-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2014-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2009-11-24 00:00:00
Activity Status Date: 2009-11-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2009-08-17 00:00:00
Activity Status Date: 2009-08-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Activity Status: Achieved

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2010-03-04 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-03-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-26 00:00:00

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-11-24 00:00:00
Activity Status Date: 2009-11-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-17 00:00:00
Activity Status Date: 2009-08-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Activity Status:	Case File Data Entered
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	Not reported
Activity Status Date:	2010-03-04 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-03-29 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-09-21 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-09-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-03-05 00:00:00

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR

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Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-03-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 06
Programmatic ID: AIR NM0000003502900013
Facility Registry ID: 110012245784
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-01-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-09-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-09-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-01-29 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-05-27 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-01-28 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2016-01-28 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-11-24 00:00:00
Activity Status Date:	2009-11-24 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	06
Programmatic ID:	AIR NM0000003502900013
Facility Registry ID:	110012245784
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2009-08-17 00:00:00
Activity Status Date:	2009-08-17 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

FINDS:

Registry ID: 110012245784

Environmental Interest/Information System

CAMDBS (Clean Air Markets Division Business System) is a national information system that supports the implementation of market-based air pollution control programs administered by the Clean Air Markets Division, within the Office of Air and Radiation. These programs include the Acid Rain Program, established by Title IV of the Clean Air Act Amendments of 1990, and regional programs designed reduce the transport of ozone. These emissions trading programs allows regulated facilities (primarily electric utilities) to adopt the most cost-effective strategies to reduce emissions at their units. Units that reduce their emissions below the number of allowances they hold

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LUNA ENERGY FACILITY (Continued)

1004754606

-- each allowance is equivalent to one ton of sulfur dioxide or nitrogen oxides -- may trade allowances with other units in their system, sell them to other utilities on the open market or through EPA auctions, or bank them to cover emissions in future years. CAMDBS functions include registering responsible officials, establishing allowance accounts, reporting hourly emissions data, and transferring allowances between accounts.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AFS 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.

CRITERIA AIR POLLUTANT MAJOR

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.

US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.

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

ELECTRIC GENERATOR

AIR MAJOR

GREENHOUSE GAS REPORTER

ECHO:

Envid:

Registry ID:

DFR URL:

1004754606

110012245784

http://echo.epa.gov/detailed_facility_report?fid=110012245784

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

5
South
1/2-1
0.978 mi.
5162 ft.

NEW MEXICO SMELTER AND REFINING CO
2000 W 2ND ST
DEMING, NM 88030

RCRA NonGen / NLR
FINDS
ECHO

1004754315
NMR000002022

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 05/29/1997

Facility name: NEW MEXICO SMELTER AND REFINING CO

Facility address: 2000 W 2ND ST
DEMING, NM 88030

EPA ID: NMR000002022

Mailing address: HC 66 BOX 102 HIGHLAND DR
DEMING, NM 88030

Contact: PHYLLIS LAWHORN

Contact address: 2000 W 2ND ST
DEMING, NM 88030

Contact country: US

Contact telephone: (505) 546-0880

Contact email: Not reported

EPA Region: 06

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NEW MEXICO SMELTER AND REFINING CORP

Owner/operator address: 2000 W 2ND ST
DEMING, NM 88030

Owner/operator country: Not reported

Owner/operator telephone: (505) 546-0880

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

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: No

Furnace exemption: No

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

. Waste code: D011

. Waste name: SILVER

Violation Status: No violations found

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MEXICO SMELTER AND REFINING CO (Continued)

1004754315

Registry ID: 110004281517

Environmental Interest/Information 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.

ECHO:

Envid: 1004754315
Registry ID: 110004281517
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110004281517

6
NE
> 1
1.090 mi.
5756 ft.

ROCKY MOUNTAIN TRANSPORTERS
3105 SILVER CITY HWY 180 NW
DEMING, NM 88030

LAST
LUST
LTANKS
AST
TANKS
S106426197
N/A

Relative:
Higher

LAST:

Facility ID: 4366
fadd2: Not reported
fadd3: Not reported
Responsible Party: UNKNOWN
Release Date: 2003-11-26 00:00:00
Current Status: NFA, Suspected Release
Cleanup Date: 12/28/2004

Actual:
4372 ft.

LUST:

Facility ID: 54399
Status: NFA, Suspected Release
Status Date: 12/28/2004
Release ID: 4366
Date Release Reported: Not reported
Priority Rank: Not reported
Mitigating Factor Score: Not reported
Total Score To Assign Relative Rank: Not reported
Project Manager: Delbert Utz

LTANKS:

Facility Id: 54399
Release Id Number: 4366
Project Manager: Not reported
Status: No Further Action, Suspected Release
NFA Date: 12/28/2004
Priority: Not reported

AST:

Facility ID: 54399
Owner ID: 45760
Owner Name: ROCKY MOUNTAIN TRANSPORTATION INC
Owner Addr: PO BOX 1099
Owner Addr2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROCKY MOUNTAIN TRANSPORTERS (Continued)

S106426197

Owner City,St,Zip: DEMING, NM 88031
Owner Phone: 505-546-108

Tank ID: 37108
Tank Status: REMOVED
Capacity: 9000
Substance: DIESEL
Tank Type: Aboveground

TANKS:

Facility Id: 54399
Owner Id Number: 45760
Owner Name: ROCKY MOUNTAIN TRANSPORTATION INC
In Use AST: 0
In Use UST: 0
Temp Out AST: 0
Temp Out UST: 0
Sold AST: 0
Sold UST: 0
Removed AST: 1
Removed UST: 0
No Data AST: 0
No Data UST: 0
Exempt AST: 0
Exempt UST: 0

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DEMING	1003873597	MRI CORPORATION	WEST 2ND ST	88030	SEMS-ARCHIVE
LUNA COUNTY	S110474898	COOKE'S PEAK COLLECTION CENTER	80 HATCH HWY 26, SE		SWF/LF
LUNA COUNTY	S118867872	DEMING LANDFILL - TEMPORARY TIRE B	EAST OF 4TH STREET		SWF/LF, SWRCY

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/16/2017
	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 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

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.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/16/2017
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/05/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 09/14/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2016	Telephone: 703-603-8704
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 10/04/2016
Number of Days to Update: 17	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/20/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/30/2017
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 10/20/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/30/2017
	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: 06/27/2016	Source: EPA
Date Data Arrived at EDR: 06/30/2016	Telephone: 800-424-9346
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 214-665-6444
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 214-665-6444
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 214-665-6444
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 214-665-6444
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

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: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 11/18/2016
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/27/2017
	Data Release Frequency: Varies

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: 05/09/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/01/2016	Telephone: 703-603-0695
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 08/31/2016
Number of Days to Update: 93	Next Scheduled EDR Contact: 12/12/2016
	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: 05/09/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/01/2016	Telephone: 703-603-0695
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 08/31/2016
Number of Days to Update: 93	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/29/2016
Next Scheduled EDR Contact: 01/09/2017
Data 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: 05/11/2016
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 09/16/2016
Number of Days to Update: 56

Source: Environment Department
Telephone: 505-827-2855
Last EDR Contact: 10/19/2016
Next Scheduled EDR Contact: 01/30/2017
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
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Department of the Environment
Telephone: 505-827-2918
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/09/2017
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: 12/15/2015
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 11/08/2016
Number of Days to Update: 175

Source: New Mexico Environment Department
Telephone: 505-827-0347
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Priorization Database

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

Date of Government Version: 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: 505-476-4397
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 505-476-4397

Last EDR Contact: 09/23/2016

Next Scheduled EDR Contact: 01/09/2017

Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015

Date Data Arrived at EDR: 02/19/2016

Date Made Active in Reports: 06/03/2016

Number of Days to Update: 105

Source: EPA Region 6

Telephone: 214-665-6597

Last EDR Contact: 10/28/2016

Next Scheduled EDR Contact: 02/06/2017

Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015

Date Data Arrived at EDR: 10/29/2015

Date Made Active in Reports: 01/04/2016

Number of Days to Update: 67

Source: EPA Region 1

Telephone: 617-918-1313

Last EDR Contact: 10/28/2016

Next Scheduled EDR Contact: 02/06/2017

Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015

Date Data Arrived at EDR: 02/12/2016

Date Made Active in Reports: 06/03/2016

Number of Days to Update: 112

Source: EPA Region 7

Telephone: 913-551-7003

Last EDR Contact: 10/28/2016

Next Scheduled EDR Contact: 02/06/2017

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: 10/13/2015

Date Data Arrived at EDR: 10/23/2015

Date Made Active in Reports: 02/18/2016

Number of Days to Update: 118

Source: EPA Region 8

Telephone: 303-312-6271

Last EDR Contact: 10/28/2016

Next Scheduled EDR Contact: 02/06/2017

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: 02/25/2016

Date Data Arrived at EDR: 04/27/2016

Date Made Active in Reports: 06/03/2016

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 415-972-3372

Last EDR Contact: 10/28/2016

Next Scheduled EDR Contact: 02/06/2017

Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016

Date Data Arrived at EDR: 04/29/2016

Date Made Active in Reports: 06/03/2016

Number of Days to Update: 35

Source: EPA Region 4

Telephone: 404-562-8677

Last EDR Contact: 10/28/2016

Next Scheduled EDR Contact: 02/06/2017

Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016

Date Data Arrived at EDR: 04/27/2016

Date Made Active in Reports: 06/03/2016

Number of Days to Update: 37

Source: EPA, Region 5

Telephone: 312-886-7439

Last EDR Contact: 10/28/2016

Next Scheduled EDR Contact: 02/06/2017

Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016

Date Data Arrived at EDR: 01/08/2016

Date Made Active in Reports: 02/18/2016

Number of Days to Update: 41

Source: EPA Region 10

Telephone: 206-553-2857

Last EDR Contact: 10/28/2016

Next Scheduled EDR Contact: 02/06/2017

Data Release Frequency: Quarterly

LTANKS: Leaking Storage Tank Listing

A listing of leaking storage tank site locations.

Date of Government Version: 07/06/2016

Date Data Arrived at EDR: 07/08/2016

Date Made Active in Reports: 09/15/2016

Number of Days to Update: 69

Source: Environment Department

Telephone: 505-476-4390

Last EDR Contact: 10/07/2016

Next Scheduled EDR Contact: 01/16/2017

Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010

Date Data Arrived at EDR: 02/16/2010

Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797

Last EDR Contact: 10/11/2016

Next Scheduled EDR Contact: 01/23/2017

Data Release Frequency: Varies

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: 505-476-4397

Last EDR Contact: 08/26/2016

Next Scheduled EDR Contact: 12/12/2016

Data Release Frequency: No Update Planned

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: 505-476-4397

Last EDR Contact: 08/26/2016

Next Scheduled EDR Contact: 12/12/2016

Data Release Frequency: No Update Planned

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/26/2016
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 119

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/25/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 37

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/03/2015
Date Data Arrived at EDR: 02/04/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 120

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
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)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/05/2016
Date Data Arrived at EDR: 04/29/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Semi-Annually

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: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

TANKS: Storage Tank Facility Listing

A listing of aboveground and underground storage tank site locations.

Date of Government Version: 07/21/2016
Date Data Arrived at EDR: 09/01/2016
Date Made Active in Reports: 11/08/2016
Number of Days to Update: 68

Source: Environment Department
Telephone: 505-476-4390
Last EDR Contact: 09/01/2016
Next Scheduled EDR Contact: 12/12/2016
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: 06/30/2016
Date Data Arrived at EDR: 07/20/2016
Date Made Active in Reports: 09/15/2016
Number of Days to Update: 57

Source: Environment Department
Telephone: 505-827-2754
Last EDR Contact: 10/19/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

VCP: Voluntary Remediation Program Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/20/2016
Date Made Active in Reports: 09/15/2016
Number of Days to Update: 57

Source: Environment Department
Telephone: 505-827-2754
Last EDR Contact: 10/19/2016
Next Scheduled EDR Contact: 01/30/2017
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Listing

A listing of targeted brownfields assessment.

Date of Government Version: 04/01/2016
Date Data Arrived at EDR: 05/12/2016
Date Made Active in Reports: 06/08/2016
Number of Days to Update: 27

Source: New Mexico Environment
Telephone: 505-827-0171
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/20/2016
Date Data Arrived at EDR: 09/21/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 51

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/21/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facility Listing

A listing of recycling facility locations.

Date of Government Version: 12/15/2015
Date Data Arrived at EDR: 05/17/2016
Date Made Active in Reports: 11/08/2016
Number of Days to Update: 175

Source: Environment Department
Telephone: 505-827-0197
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: No Update Planned

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

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/04/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 08/31/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Laboratory Listing

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 04/22/2014
Date Made Active in Reports: 05/20/2014
Number of Days to Update: 28

Source: Environment Department
Telephone: 505-476-6000
Last EDR Contact: 10/21/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Varies

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: 08/30/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 17

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/31/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Quarterly

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 10/28/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/27/2016	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/28/2016	Telephone: 202-366-4555
Date Made Active in Reports: 09/23/2016	Last EDR Contact: 09/27/2016
Number of Days to Update: 87	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Annually

SPILLS: Spill Data

Hazardous materials spills data.

Date of Government Version: 07/01/2016	Source: Environment Department
Date Data Arrived at EDR: 07/13/2016	Telephone: 505-827-0166
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 09/26/2016
Number of Days to Update: 68	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Varies

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 06/21/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/30/2016	Telephone: 214-665-6444
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 09/28/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2017
	Data Release Frequency: Varies

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: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 09/09/2016
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/19/2016
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: Semi-Annually

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: 10/14/2016
Next Scheduled EDR Contact: 01/23/2017
Data Release Frequency: N/A

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: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 07/12/2016
Date Data Arrived at EDR: 08/17/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 65

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2016
Next Scheduled EDR Contact: 02/27/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/08/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/11/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Varies

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: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Every 4 Years

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: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/26/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

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

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/24/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Annually

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: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/22/2016	Telephone: 202-564-8600
Date Made Active in Reports: 11/11/2016	Last EDR Contact: 11/18/2016
Number of Days to Update: 81	Next Scheduled EDR Contact: 02/06/2017
	Data Release Frequency: Varies

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 11/07/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/20/2017
	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: 01/20/2016	Source: EPA
Date Data Arrived at EDR: 04/28/2016	Telephone: 202-566-0500
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 10/14/2016
Number of Days to Update: 127	Next Scheduled EDR Contact: 01/23/2017
	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: 07/27/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/05/2016	Telephone: 202-564-5088
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 10/11/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

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

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/17/2016
Next Scheduled EDR Contact: 03/06/2017
Data Release Frequency: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 11/07/2016
Next Scheduled EDR Contact: 02/20/2017
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/09/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/06/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/28/2016
Next Scheduled EDR Contact: 02/06/2017
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/03/2016
Date Data Arrived at EDR: 10/05/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/05/2016
Next Scheduled EDR Contact: 01/16/2017
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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/02/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 03/31/2016
Date Data Arrived at EDR: 08/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 53

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Varies

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: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/26/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/14/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/23/2017
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/21/2016	Source: Department of Energy
Date Data Arrived at EDR: 07/26/2016	Telephone: 202-586-3559
Date Made Active in Reports: 09/23/2016	Last EDR Contact: 11/08/2016
Number of Days to Update: 59	Next Scheduled EDR Contact: 02/20/2017
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 09/09/2016
Number of Days to Update: 146	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/07/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/07/2016	Telephone: 703-603-8787
Date Made Active in Reports: 09/02/2016	Last EDR Contact: 10/20/2016
Number of Days to Update: 148	Next Scheduled EDR Contact: 01/16/2017
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/25/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 06/30/2016
Date Data Arrived at EDR: 07/25/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 08/05/2016
Date Data Arrived at EDR: 09/01/2016
Date Made Active in Reports: 09/23/2016
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/01/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 09/02/2016
Next Scheduled EDR Contact: 12/12/2016
Data Release Frequency: Varies

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: 07/15/2016
Date Data Arrived at EDR: 09/07/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 65

Source: EPA
Telephone: (214) 665-2200
Last EDR Contact: 09/07/2016
Next Scheduled EDR Contact: 12/19/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015

Date Data Arrived at EDR: 01/29/2016

Date Made Active in Reports: 04/05/2016

Number of Days to Update: 67

Source: Department of Defense

Telephone: 571-373-0407

Last EDR Contact: 10/17/2016

Next Scheduled EDR Contact: 01/30/2017

Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016

Date Data Arrived at EDR: 06/03/2016

Date Made Active in Reports: 09/02/2016

Number of Days to Update: 91

Source: Environmental Protection Agency

Telephone: 202-564-0527

Last EDR Contact: 08/24/2016

Next Scheduled EDR Contact: 12/12/2016

Data Release Frequency: Varies

AIRS: Airs Information

A listing of facilities with Air Quality Bureau permits.

Date of Government Version: 07/25/2016

Date Data Arrived at EDR: 07/29/2016

Date Made Active in Reports: 09/15/2016

Number of Days to Update: 48

Source: New Mexico Environment Department

Telephone: 505-476-4339

Last EDR Contact: 10/27/2016

Next Scheduled EDR Contact: 02/06/2017

Data Release Frequency: 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: 08/05/2016

Date Data Arrived at EDR: 08/09/2016

Date Made Active in Reports: 11/08/2016

Number of Days to Update: 91

Source: New Mexico Environment Department

Telephone: 505-827-1494

Last EDR Contact: 10/24/2016

Next Scheduled EDR Contact: 02/06/2017

Data Release Frequency: Varies

COAL MINES: Coal Mine Permits Database

New Mexico coal mines permitted under the Surface Mining Control and Reclamation Act of 1977 (SMCRA), by either the NM Mining & Minerals Division (MMD), or by the federal DOI Office of Surface Mining, Reclamation & Enforcement.

Date of Government Version: 07/13/2012

Date Data Arrived at EDR: 12/17/2012

Date Made Active in Reports: 01/11/2013

Number of Days to Update: 25

Source: Bureau of Geology and Mineral Resources

Telephone: 505-476-3402

Last EDR Contact: 12/17/2012

Next Scheduled EDR Contact: 04/01/2013

Data Release Frequency: Varies

COAL MINES 2: Coal Permit Boundaries

ESRI ArcView shapefile depicting New Mexico coal mines permitted under the Surface Mining Control and Reclamation Act of 1977 (SMCRA), by either the NM Mining & Minerals Division (MMD), or by the federal DOI Office of Surface Mining, Reclamation & Enforcement.

Date of Government Version: 02/01/2014

Date Data Arrived at EDR: 03/20/2015

Date Made Active in Reports: 04/13/2015

Number of Days to Update: 24

Source: Mining & Minerals Division

Telephone: 505-476-3417

Last EDR Contact: 09/23/2016

Next Scheduled EDR Contact: 01/02/2017

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/06/2010
Date Data Arrived at EDR: 01/07/2010
Date Made Active in Reports: 02/04/2010
Number of Days to Update: 28

Source: Environment Department
Telephone: 505-222-9507
Last EDR Contact: 09/26/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: No Update Planned

FINANCIAL ASSURANCE 1: Financial Assurance Information

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

Date of Government Version: 12/03/2012
Date Data Arrived at EDR: 01/04/2013
Date Made Active in Reports: 01/10/2013
Number of Days to Update: 6

Source: Environment Department
Telephone: 505-827-0197
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information

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

Date of Government Version: 08/08/2016
Date Data Arrived at EDR: 08/15/2016
Date Made Active in Reports: 11/08/2016
Number of Days to Update: 85

Source: Environment Department
Telephone: 505-476-6018
Last EDR Contact: 10/31/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Varies

NPDES: List of Discharge Permits

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

Date of Government Version: 04/01/2016
Date Data Arrived at EDR: 04/21/2016
Date Made Active in Reports: 06/16/2016
Number of Days to Update: 56

Source: Environment Department
Telephone: 505-827-2918
Last EDR Contact: 10/19/2016
Next Scheduled EDR Contact: 01/30/2017
Data Release Frequency: Semi-Annually

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/18/2016
Date Data Arrived at EDR: 09/20/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/20/2016
Next Scheduled EDR Contact: 01/02/2017
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2016
Date Data Arrived at EDR: 08/23/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 59

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/23/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/09/2016
Date Data Arrived at EDR: 06/13/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/12/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Mexico Environment Department in New Mexico.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/16/2014
Number of Days to Update: 199

Source: New Mexico Environment Department
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Mexico Environment Department in New Mexico.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: New Mexico Environment Department
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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: 08/01/2016
Date Data Arrived at EDR: 08/03/2016
Date Made Active in Reports: 09/09/2016
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/02/2016
Next Scheduled EDR Contact: 02/13/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/12/2016
Next Scheduled EDR Contact: 12/26/2016
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). 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.

Electric Power Transmission Line Data

Source: PennWell Corporation

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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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 505-248-6660

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GEO SOUTHWEST DEMING
US HIGHWAY 180
DEMING, NM 88030

TARGET PROPERTY COORDINATES

Latitude (North):	32.287581 - 32° 17' 15.29"
Longitude (West):	107.783324 - 107° 46' 59.97"
Universal Transverse Mercator:	Zone 13
UTM X (Meters):	237873.8
UTM Y (Meters):	3575526.5
Elevation:	4356 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5965686 DEMING WEST, NM
Version Date:	2013
East Map:	5965684 DEMING EAST, NM
Version Date:	2013

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 principal 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

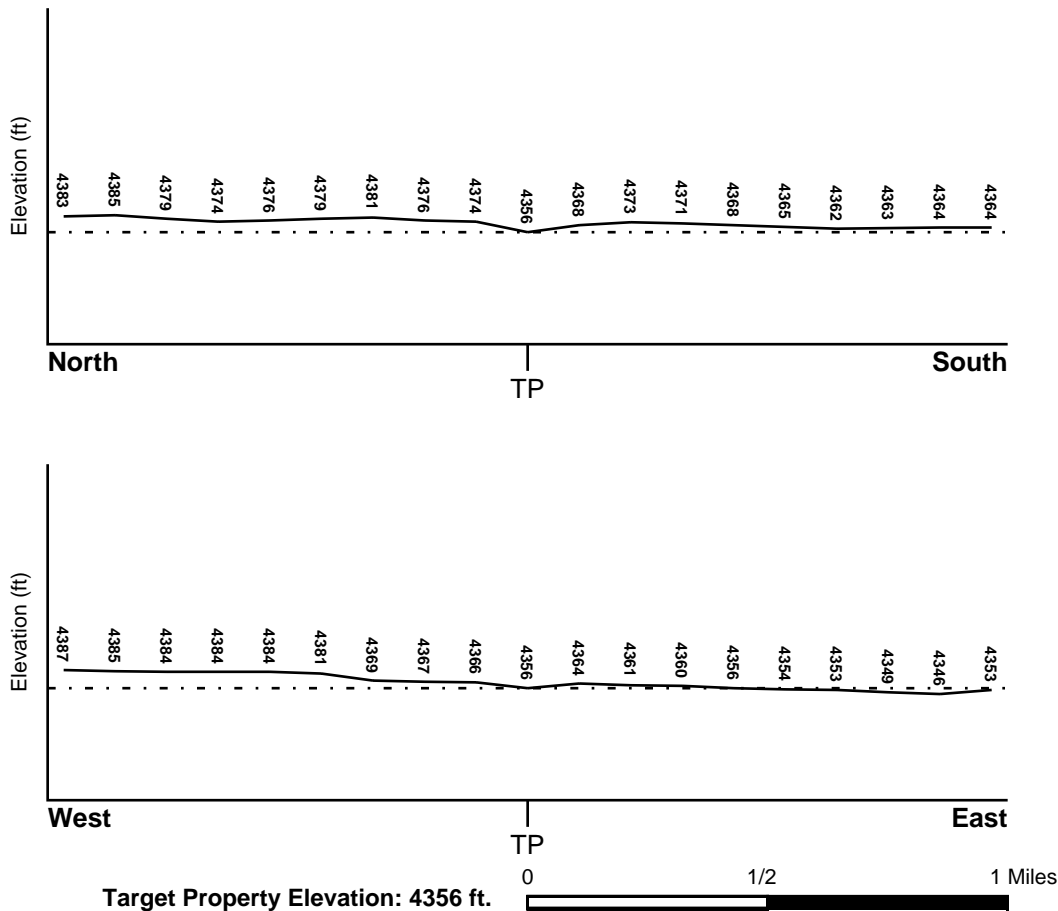
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

Flood Plain Panel at Target Property

35029C0495C

Additional Panels in search area:

Not Reported

FEMA Source Type

FEMA FIRM Flood data

FEMA Source Type

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property

NOT AVAILABLE

NWI Electronic

Data Coverage

YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles

Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

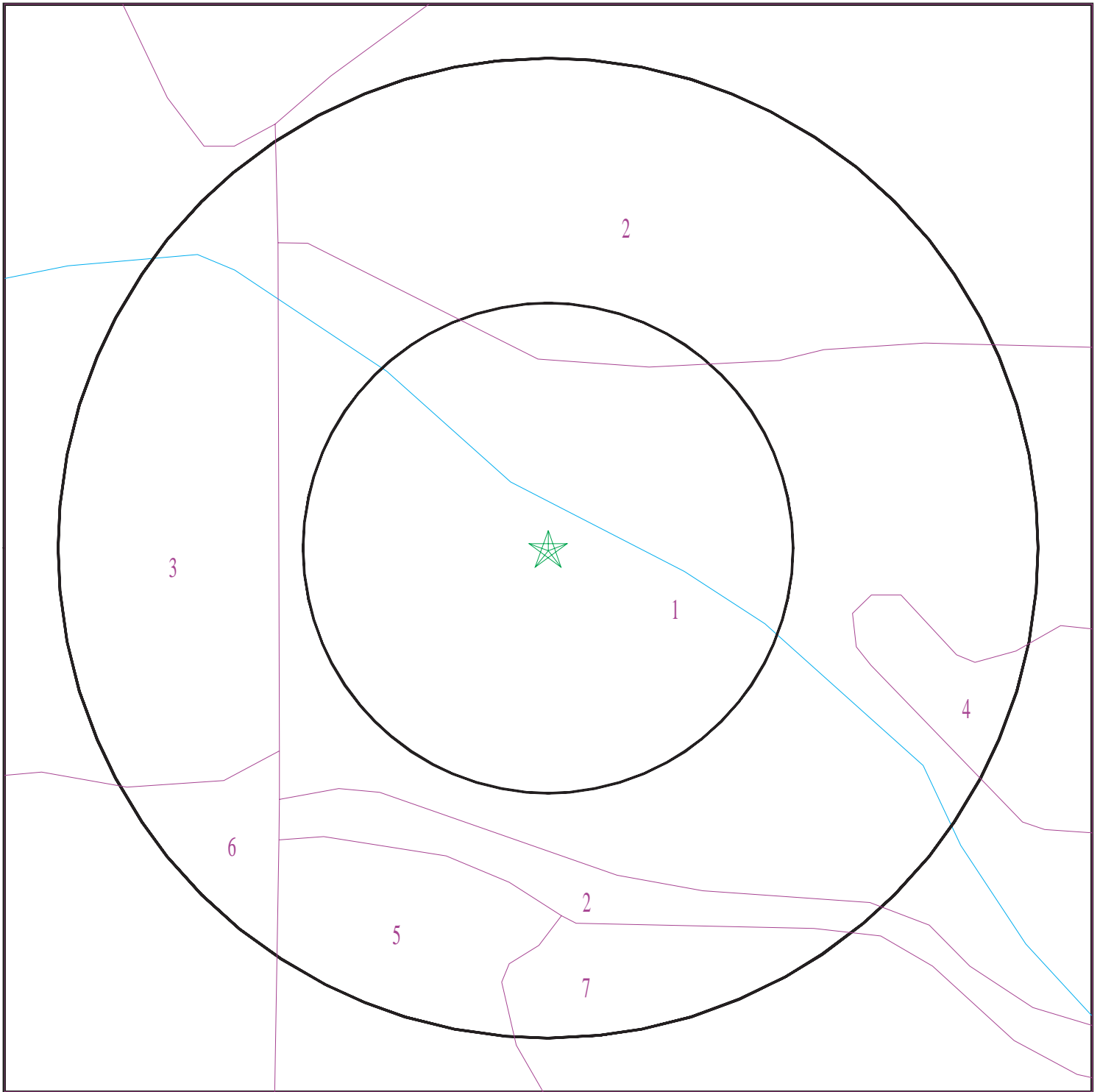
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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 - 04786568.2r



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Geo Southwest Deming
ADDRESS: US Highway 180
Deming NM 88030
LAT/LONG: 32.287581 / 107.783324

CLIENT: Enviro-Ag
CONTACT: Alicia Barley
INQUIRY #: 04786568.2r
DATE: November 21, 2016 12:49 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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: Yturbide

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6
2	16 inches	59 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6

Soil Map ID: 2

Soil Component Name: Bluepoint

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.4
2	5 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.9

Soil Map ID: 3

Soil Component Name: Bluepoint

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.4
2	5 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.9

Soil Map ID: 4

Soil Component Name: Bluepoint

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	5 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.9

Soil Map ID: 5

Soil Component Name: Dona Ana

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.4
2	3 inches	22 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	22 inches	40 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
4	40 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.9

Soil Map ID: 6

Soil Component Name: Berino

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 7.8 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	5 inches	40 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.4
3	40 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.9

Soil Map ID: 7

Soil Component Name: Dona Ana

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	1 inches	18 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
3	18 inches	35 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
4	35 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	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

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

FEDERAL USGS WELL INFORMATION

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

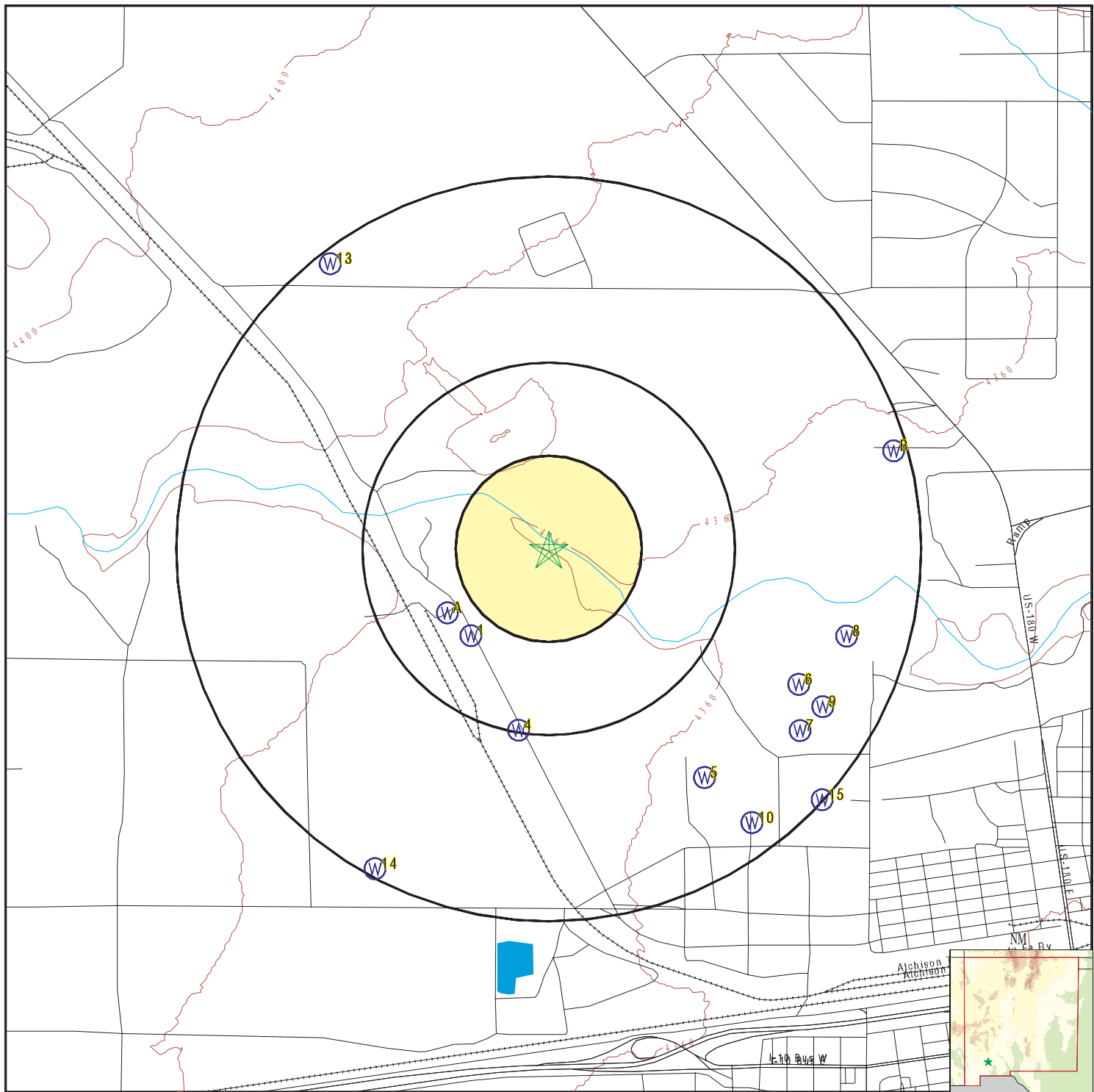
MAP ID	WELL ID	LOCATION FROM TP
<u>No PWS System Found</u>		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NM4000000045057	1/4 - 1/2 Mile SW
A2	NM4000000043892	1/4 - 1/2 Mile WSW
A3	NM40000000112294	1/4 - 1/2 Mile WSW
4	NM40000000127040	1/4 - 1/2 Mile South
5	NM4000000078156	1/2 - 1 Mile SE
6	NM40000000134879	1/2 - 1 Mile ESE
7	NM40000000105225	1/2 - 1 Mile SE
8	NM40000000120543	1/2 - 1 Mile ESE
9	NM40000000037787	1/2 - 1 Mile ESE
10	NM4000000046206	1/2 - 1 Mile SE
B11	NM4000000045512	1/2 - 1 Mile ENE
B12	NM40000000069706	1/2 - 1 Mile ENE
13	NM4000000070570	1/2 - 1 Mile NW
14	NM4000000044982	1/2 - 1 Mile SSW
15	NM4000000041232	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 04786568.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Geo Southwest Deming
 ADDRESS: US Highway 180
 Deming NM 88030
 LAT/LONG: 32.287581 / 107.783324

CLIENT: Enviro-Ag
 CONTACT: Alicia Barley
 INQUIRY #: 04786568.2r
 DATE: November 21, 2016 12:49 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SW
1/4 - 1/2 Mile
Higher

NM WELLS NM4000000045057

Pod basin: M
Pod suffix: -S
Pod name: Not Reported
Rng: 09W
Qtr 4th: 4
Qtr 64th: 4
Zone : Not Reported
X: 0
Y: 0
Grant : Not Reported
Legal: Not Reported
County: LU
Elevation: 0
Depth well: 0
Grnd wtr s: Not Reported
Depth wate: 0
Use of wel: Not Reported
Pump seria: Not Reported
Aquifer: Not Reported
Subdiv loc: Not Reported
Restrict: 0
Lat deg: 0
Lat min: 0
Lat sec: 0
Lon deg: 0
Lon min: 0
Lon sec: 0
Surface co: 0
Estimate y: 0
Pod status: Not Reported
Casing siz: 0
Ditch name: Not Reported
Easting: 237534
Northing: 3575349
Datum: NAD83
Utm accura: 0
Xy accurac: Not Reported
Lat lon ac: M
Map nbr: Not Reported
Other loc: Not Reported
Cfs cnv fa: 0
Cs code: 0
Utm error: Not Reported
Pod file: M-00135--S
Nbr: 00135
Db file: M-00135
Use: INDUSTRIAL
Total div: 826
Sub file: 6326 16
Own fname: Not Reported

Pod nbr: 00135
Ref : M-135
Tws: 23S
Sec: 20
Qtr 16th: 4
Blk: Not Reported

Percent sh: 100

Pump type: Not Reported
Discharge: Not Reported
Subdiv nam: Not Reported

Utm zone: 13

Utm source: G
Xy source: Not Reported
Lat lon so: Not Reported
Tract nbr: Not Reported
Surv map: Not Reported
Pod rec nb: 101965

Wrats s id: 0
Pod sub ba: Not Reported
Basin: M
Suffix: Not Reported
Sub basin: Not Reported

Own lname: ASARCO INCORPORATED
Addr1: P.O. BOX 186

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Addr2:	Not Reported	City:	VANADIUM
State:	NM	Zip:	88073
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000045057	Start dat1:	Not Reported
Fin dat:	Not Reported	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	Not Reported
Sched dat1:	Not Reported	Sys date1:	7/7/1993
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

A2
WSW
1/4 - 1/2 Mile
Higher

NM WELLS NM4000000043892

Pod basin:	M	Pod nbr:	00135
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	20
Qtr 4th:	4	Qtr 16th:	4
Qtr 64th:	Not Reported	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	0		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	0		
Use of wel:	Not Reported	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	Not Reported
Subdiv loc:	Not Reported		
Restrict:	120.15		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	Not Reported		
Casing siz:	0		
Ditch name:	Not Reported	Utm zone:	13
Easting:	237435		
Northing:	3575450		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	100638

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Cfs cnv fa:	0	Wrats s id:	0
Cs code:	0	Pod sub ba:	Not Reported
Utm error:	Not Reported	Basin:	M
Pod file:	M-00135	Suffix:	Not Reported
Nbr:	00135	Sub basin:	Not Reported
Db file:	M-00135		
Use:	INDUSTRIAL		
Total div:	826		
Sub file:	6326 16	Own lname:	ASARCO INCORPORATED
Own lname:	Not Reported	Addr1:	P.O. BOX 186
Addr2:	Not Reported	City:	VANADIUM
State:	NM	Zip:	88073
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000043892	Start dat1:	Not Reported
Fin dat:	Not Reported	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	Not Reported
Sched dat1:	Not Reported	Sys date1:	5/27/2003
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

A3
WSW
1/4 - 1/2 Mile
Higher

NM WELLS NM4000000112294

Pod basin:	M	Pod nbr:	00135
Pod suffix:	S	Ref :	Not Reported
Pod name:	Not Reported	TwS:	23S
Rng:	09W	Sec:	20
Qtr 4th:	4	Qtr 16th:	4
Qtr 64th:	Not Reported	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	0		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	0		
Use of wel:	Not Reported	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	Not Reported
Subdiv loc:	Not Reported		
Restrict:	120.15		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing siz:	0	Utm zone:	13
Ditch name:	Not Reported		
Easting:	237435		
Northing:	3575450		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	191444
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-00135-S	Basin:	M
Nbr:	00135	Suffix:	Not Reported
Db file:	M-00135	Sub basin:	Not Reported
Use:	INDUSTRIAL		
Total div:	826		
Sub file:	6326 16	Own lname:	ASARCO INCORPORATED
Own fname:	Not Reported	Addr1:	P.O. BOX 186
Addr2:	Not Reported	City:	VANADIUM
State:	NM	Zip:	88073
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000112294	Start dat1:	Not Reported
Fin dat:	Not Reported	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	Not Reported
Sched dat1:	Not Reported	Sys date1:	5/27/2003
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

4

**South
1/4 - 1/2 Mile
Higher**

NM WELLS

NM4000000127040

Pod basin:	M	Pod nbr:	00398
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	28
Qtr 4th:	1	Qtr 16th:	1
Qtr 64th:	3	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	100		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	0		
Use of wel:	DOMESTIC	Pump type:	TURBIN
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	Not Reported
Subdiv loc:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	ACT		
Casing siz:	6		
Ditch name:	Not Reported	Utm zone:	13
Easting:	237729		
Northing:	3574935		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	212208
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-00398	Basin:	M
Nbr:	00398	Suffix:	Not Reported
Db file:	M-00398	Sub basin:	Not Reported
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	3		
Sub file:	Not Reported	Own lname:	MCKINNEY
Own fname:	BESSIE	Addr1:	BOX 933
Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	Not Reported
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000127040	Start dat1:	Not Reported
Fin dat:	Not Reported	Plug dat:	Not Reported
Pcw rcv d1:	12/3/1947	Lg file dt:	Not Reported
Sched dat1:	Not Reported	Sys date1:	7/7/2005
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

5
SE
1/2 - 1 Mile
Higher

NM WELLS NM4000000078156

Pod basin:	M	Pod nbr:	07814
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	28
Qtr 4th:	2	Qtr 16th:	3
Qtr 64th:	1	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	200		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	120		
Use of wel:	DOMESTIC/STOCK	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	Not Reported
Subdiv loc:	LU		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	ACT		
Casing siz:	6.63		
Ditch name:	Not Reported	Utm zone:	13
Easting:	238527		
Northing:	3574710		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	141128
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-07814	Basin:	M
Nbr:	07814	Suffix:	Not Reported
Db file:	M-07814	Sub basin:	Not Reported
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	3		
Sub file:	Not Reported	Own lname:	JUAREZ
Own fname:	ANTHONY D. & LISA P.	Addr1:	1614 EMERSON DRIVE
Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	88030
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000078156	Start dat1:	6/23/1994
Fin dat:	6/27/1994	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	7/13/1994
Sched dat1:	Not Reported	Sys date1:	11/27/2002
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

6
ESE
1/2 - 1 Mile
Higher

NM WELLS NM4000000134879

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pod basin:	M	Pod nbr:	10695
Pod suffix:	POD1	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	28
Qtr 4th:	2	Qtr 16th:	2
Qtr 64th:	1	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	0		
Grnd wtr s:	Not Reported	Percent sh:	0
Depth wate:	0		
Use of wel:	Not Reported	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	Not Reported
Subdiv loc:	LU		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	PEN		
Casing siz:	10		
Ditch name:	Not Reported	Utm zone:	13
Easting:	238945		
Northing:	3575102		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	Not Reported	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	222800
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-10695-POD1	Basin:	M
Nbr:	10695	Suffix:	Not Reported
Db file:	M-10695	Sub basin:	Not Reported
Use:	72-12-1 SANITARY IN CONJUNCTION WITH A COMMERCIAL USE		
Total div:	0		
Sub file:	Not Reported	Own lname:	DEMING PUBLIC SCHOOLS
Own fname:	BOARD OF EDUCATION OF	Addr1:	1001 SOUTH DIAMOND
Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	88030
Contact ln:	BURR	Contact fn:	TED
Site id:	NM4000000134879	Start dat1:	Not Reported
Fin dat:	Not Reported	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	Not Reported
Sched dat1:	Not Reported	Sys date1:	7/25/2006
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

7

SE

1/2 - 1 Mile
Lower

NM WELLS

NM4000000105225

Pod basin:	M	Pod nbr:	09750
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	28
Qtr 4th:	2	Qtr 16th:	2
Qtr 64th:	3	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	268		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	130		
Use of wel:	DOMESTIC	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	ALLUVIUM	Subdiv nam:	Not Reported
Subdiv loc:	LU		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	40		
Pod status:	ACT		
Casing siz:	5		
Ditch name:	Not Reported	Utm zone:	13
Easting:	238945		
Northing:	3574902		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	181264
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-09750	Basin:	M
Nbr:	09750	Suffix:	Not Reported
Db file:	M-09750	Sub basin:	Not Reported
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	3		
Sub file:	Not Reported	Own Iname:	ROSENBAUER
Own fname:	JAY & LUCINDA	Addr1:	P.O. BOX 589

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Addr2:	Not Reported	City:	HURLEY
State:	NM	Zip:	88043
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000105225	Start dat1:	8/24/2002
Fin dat:	8/31/2002	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	10/31/2002
Sched dat1:	Not Reported	Sys date1:	10/31/2002
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

8
ESE
1/2 - 1 Mile
Lower

NM WELLS NM4000000120543

Pod basin:	M	Pod nbr:	10164
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	21
Qtr 4th:	4	Qtr 16th:	4
Qtr 64th:	4	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	350		
Grnd wtr s:	Not Reported	Percent sh:	0
Depth wate:	0		
Use of wel:	Not Reported	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	Not Reported
Subdiv loc:	LU		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	PEN		
Casing siz:	6.63		
Ditch name:	Not Reported	Utm zone:	13
Easting:	239157		
Northing:	3575305		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	203651

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Cfs cnv fa:	0	Wrats s id:	0
Cs code:	0	Pod sub ba:	Not Reported
Utm error:	Not Reported	Basin:	M
Pod file:	M-10164	Suffix:	Not Reported
Nbr:	10164	Sub basin:	Not Reported
Db file:	M-10164		
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	0		
Sub file:	Not Reported	Own lname:	FAIRRES
Own lname:	DERWIN	Addr1:	2100 8TH ST. NW
Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	88030
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000120543	Start dat1:	Not Reported
Fin dat:	Not Reported	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	Not Reported
Sched dat1:	Not Reported	Sys date1:	6/28/2004
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

9
ESE
1/2 - 1 Mile
Higher

NM WELLS NM4000000037787

Pod basin:	M	Pod nbr:	02443
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	TwS:	23S
Rng:	09W	Sec:	28
Qtr 4th:	2	Qtr 16th:	2
Qtr 64th:	Not Reported	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	200		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	95		
Use of wel:	DOM/STOCK	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	Not Reported
Subdiv loc:	Not Reported		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	ACT		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing siz:	6	Utm zone:	13
Ditch name:	Not Reported		
Easting:	239046		
Northing:	3575003		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	Not Reported	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	S1/2N1/2	Pod rec nb:	224687
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-02443	Basin:	M
Nbr:	02443	Suffix:	Not Reported
Db file:	M-02443	Sub basin:	Not Reported
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	3		
Sub file:	Not Reported	Own lname:	VILLEGAS
Own fname:	FRANCISCO	Addr1:	310 SOUTH PEARL
Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	88030
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000037787	Start dat1:	9/5/1969
Fin dat:	9/10/1969	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	8/10/1970
Sched dat1:	Not Reported	Sys date1:	10/12/2006
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

**10
SE
1/2 - 1 Mile
Lower**

NM WELLS NM4000000046206

Pod basin:	M	Pod nbr:	01647
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	28
Qtr 4th:	2	Qtr 16th:	3
Qtr 64th:	4	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	260		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	130		
Use of wel:	DOMESTIC	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	ALLUVIUM	Subdiv nam:	Not Reported
Subdiv loc:	LU		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	40		
Pod status:	ACT		
Casing siz:	4.5		
Ditch name:	Not Reported	Utm zone:	13
Easting:	238727		
Northing:	3574510		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	103254
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-01647	Basin:	M
Nbr:	01647	Suffix:	Not Reported
Db file:	M-01647	Sub basin:	Not Reported
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	3		
Sub file:	Not Reported	Own lname:	MIDDLETON
Own fname:	CATHIE	Addr1:	3094 EFFIE DR.
Addr2:	Not Reported	City:	VISALIA
State:	CA	Zip:	93291
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000046206	Start dat1:	7/29/2003
Fin dat:	8/1/2003	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	9/19/2003
Sched dat1:	Not Reported	Sys date1:	1/17/2006
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

B11
ENE
1/2 - 1 Mile
Higher

NM WELLS NM4000000045512

Pod basin:	M	Pod nbr:	03863
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	22
Qtr 4th:	1	Qtr 16th:	3
Qtr 64th:	3	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	277		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	114		
Use of wel:	CLOW DOMESTIC	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	ALLUVIUM	Subdiv nam:	FAIRFIELD
Subdiv loc:	6 LU		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	20		
Pod status:	ACT		
Casing siz:	5		
Ditch name:	Not Reported	Utm zone:	13
Easting:	239381		
Northing:	3576100		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	102475
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-03863	Basin:	M
Nbr:	03863	Suffix:	Not Reported
Db file:	M-03863	Sub basin:	Not Reported
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	3		
Sub file:	Not Reported	Own lname:	CHAVEZ
Own fname:	CHRIS AND /OR JENNIFER	Addr1:	910 FAIRFIELD DRIVE NW
Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	88030
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000045512	Start dat1:	4/19/2001
Fin dat:	4/21/2001	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	2/28/2002
Sched dat1:	Not Reported	Sys date1:	3/15/2002
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

B12
ENE
1/2 - 1 Mile
Higher

NM WELLS NM4000000069706

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pod basin:	M	Pod nbr:	08256
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	22
Qtr 4th:	1	Qtr 16th:	3
Qtr 64th:	3	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	200		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	107		
Use of wel:	DOMESTIC	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	FAIR FIELD SUBDIVISION
Subdiv loc:	8		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	ACT		
Casing siz:	6		
Ditch name:	Not Reported	Utm zone:	13
Easting:	239381		
Northing:	3576100		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	130177
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-08256	Basin:	M
Nbr:	08256	Suffix:	Not Reported
Db file:	M-08256	Sub basin:	Not Reported
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	3		
Sub file:	Not Reported	Own lname:	STEVENSON
Own fname:	EMMA L.	Addr1:	HC 66 BOX 14F
Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	88030
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000069706	Start dat1:	2/7/1997
Fin dat:	2/17/1997	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	5/29/1997
Sched dat1:	Not Reported	Sys date1:	11/8/2002
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

13

NW

1/2 - 1 Mile
Higher

NM WELLS

NM4000000070570

Pod basin:	M	Pod nbr:	08163
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	Tws:	23S
Rng:	09W	Sec:	17
Qtr 4th:	4	Qtr 16th:	3
Qtr 64th:	3	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	300		
Grnd wtr s:	Not Reported	Percent sh:	0
Depth wate:	0		
Use of wel:	Not Reported	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	Not Reported
Subdiv loc:	Not Reported		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	PEN		
Casing siz:	6.63		
Ditch name:	Not Reported	Utm zone:	13
Easting:	236968		
Northing:	3576971		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	131296
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-08163	Basin:	M
Nbr:	08163	Suffix:	Not Reported
Db file:	M-08163	Sub basin:	Not Reported
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	0		
Sub file:	Not Reported	Own lname:	MITCHELL
Own fname:	JAMES AND PATRICIA	Addr1:	P.O. BOX 841

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	88031
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000070570	Start dat1:	Not Reported
Fin dat:	Not Reported	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	Not Reported
Sched dat1:	Not Reported	Sys date1:	10/22/1997
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

14
SSW
1/2 - 1 Mile
Higher

NM WELLS NM4000000044982

Pod basin:	M	Pod nbr:	07506
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	TwS:	23S
Rng:	09W	Sec:	29
Qtr 4th:	4	Qtr 16th:	1
Qtr 64th:	2	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	200	Percent sh:	100
Grnd wtr s:	S		
Depth wate:	120	Pump type:	Not Reported
Use of wel:	DOMESTIC	Discharge:	Not Reported
Pump seria:	Not Reported	Subdiv nam:	Not Reported
Aquifer:	Not Reported		
Subdiv loc:	LU		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	0		
Pod status:	ACT		
Casing siz:	6	Utm zone:	13
Ditch name:	Not Reported		
Easting:	237093		
Northing:	3574353		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	101885

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Cfs cnv fa:	0	Wrats s id:	0
Cs code:	0	Pod sub ba:	Not Reported
Utm error:	Not Reported	Basin:	M
Pod file:	M-07506	Suffix:	Not Reported
Nbr:	07506	Sub basin:	Not Reported
Db file:	M-07506		
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	3		
Sub file:	Not Reported	Own lname:	MARTUCCI
Own lname:	PAUL B.	Addr1:	P O BOX 2602
Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	88031
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000044982	Start dat1:	5/7/1993
Fin dat:	5/10/1993	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	5/12/1993
Sched dat1:	Not Reported	Sys date1:	12/27/2002
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

**15
SE
1/2 - 1 Mile
Lower**

NM WELLS NM4000000041232

Pod basin:	M	Pod nbr:	01844
Pod suffix:	Not Reported	Ref :	Not Reported
Pod name:	Not Reported	TwS:	23S
Rng:	09W	Sec:	28
Qtr 4th:	2	Qtr 16th:	4
Qtr 64th:	Not Reported	Blk:	Not Reported
Zone :	Not Reported		
X:	0		
Y:	0		
Grant :	Not Reported		
Legal:	Not Reported		
County:	LU		
Elevation:	0		
Depth well:	250		
Grnd wtr s:	S	Percent sh:	100
Depth wate:	110		
Use of wel:	DOM/CLW	Pump type:	Not Reported
Pump seria:	Not Reported	Discharge:	Not Reported
Aquifer:	Not Reported	Subdiv nam:	Not Reported
Subdiv loc:	Not Reported		
Restrict:	0		
Lat deg:	0		
Lat min:	0		
Lat sec:	0		
Lon deg:	0		
Lon min:	0		
Lon sec:	0		
Surface co:	0		
Estimate y:	15		
Pod status:	ACT		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing siz:	6.63	Utm zone:	13
Ditch name:	Not Reported		
Easting:	239033		
Northing:	3574601		
Datum:	NAD83	Utm source:	G
Utm accura:	0	Xy source:	Not Reported
Xy accurac:	Not Reported	Lat lon so:	Not Reported
Lat lon ac:	M	Tract nbr:	Not Reported
Map nbr:	Not Reported	Surv map:	Not Reported
Other loc:	Not Reported	Pod rec nb:	97503
Cfs cnv fa:	0		
Cs code:	0	Wrats s id:	0
Utm error:	Not Reported	Pod sub ba:	Not Reported
Pod file:	M-01844	Basin:	M
Nbr:	01844	Suffix:	Not Reported
Db file:	M-01844	Sub basin:	Not Reported
Use:	72-12-1 DOMESTIC ONE HOUSEHOLD		
Total div:	3		
Sub file:	Not Reported	Own lname:	CARDOZA
Own fname:	VICTORIANO	Addr1:	1460 8TH STREET NW
Addr2:	Not Reported	City:	DEMING
State:	NM	Zip:	88030
Contact ln:	Not Reported	Contact fn:	Not Reported
Site id:	NM4000000041232	Start dat1:	Not Reported
Fin dat:	7/15/1962	Plug dat:	Not Reported
Pcw rcv d1:	Not Reported	Lg file dt:	1/7/1982
Sched dat1:	Not Reported	Sys date1:	3/3/2006
Cfs strt d:	Not Reported	Cfs end dt:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

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
88030	35	74.3	22.9	2.9	0.0

Federal EPA Radon Zone for LUNA County: 2

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

Federal Area Radon Information for Zip Code: 88030

Number of sites tested: 38

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	3.111 pCi/L	82%	18%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	7.900 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 505-248-6660

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R 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 Service (NRCS)

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 Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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 IRRA 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

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Geo Southwest Deming

US Highway 180

Deming, NM 88030

Inquiry Number: 4786568.3

November 21, 2016

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/21/16

Site Name:

Geo Southwest Deming
US Highway 180
Deming, NM 88030
EDR Inquiry # 4786568.3

Client Name:

Enviro-Ag
3404 Airway Blvd
Amarillo, TX 79118
Contact: Alicia Barley



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Enviro-Ag were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # C5FE-4894-8444

PO # NA

Project Geo Southwest Deming

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 #: C5FE-4894-8444

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Geo Southwest Deming

US Highway 180

Deming, NM 88030

Inquiry Number: 4786568.4

November 21, 2016

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

11/21/16

Site Name:

Geo Southwest Deming
US Highway 180
Deming, NM 88030
EDR Inquiry # 4786568.4

Client Name:

Enviro-Ag
3404 Airway Blvd
Amarillo, TX 79118
Contact: Alicia Barley



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Enviro-Ag were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	32.287581 32° 17' 15" North
Project:	Geo Southwest Deming	Longitude:	-107.783324 -107° 47' 0" West
		UTM Zone:	Zone 13 North
		UTM X Meters:	237879.46
		UTM Y Meters:	3575715.12
		Elevation:	4357.97' above sea level

Maps Provided:

2013
2001
1964
1916
1915
1899

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



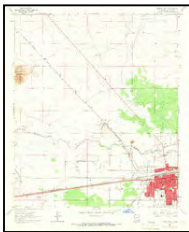
Deming West
2013
7.5-minute, 24000

2001 Source Sheets



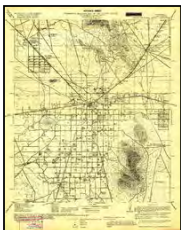
Deming West
2001
7.5-minute, 24000
Aerial Photo Revised 1996
Edited 2001

1964 Source Sheets



Deming West
1964
7.5-minute, 24000
Aerial Photo Revised 1962

1916 Source Sheets



Deming
1916
30-minute, 125000
Edited 1916

Topo Sheet Key

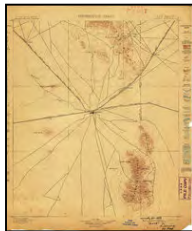
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1915 Source Sheets

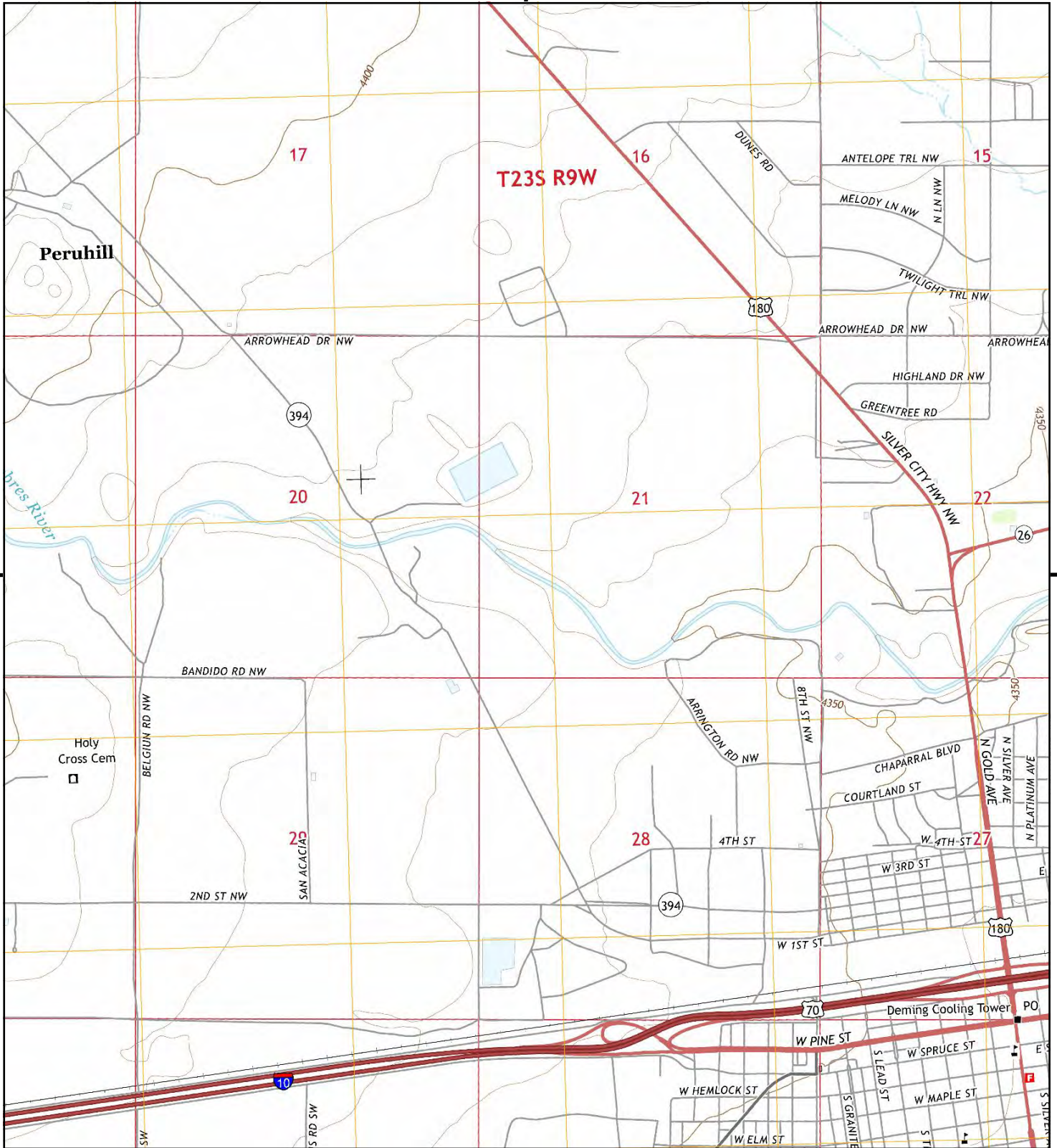


Deming
1915
30-minute, 125000

1899 Source Sheets



Deming
1899
30-minute, 125000



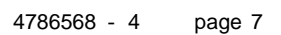
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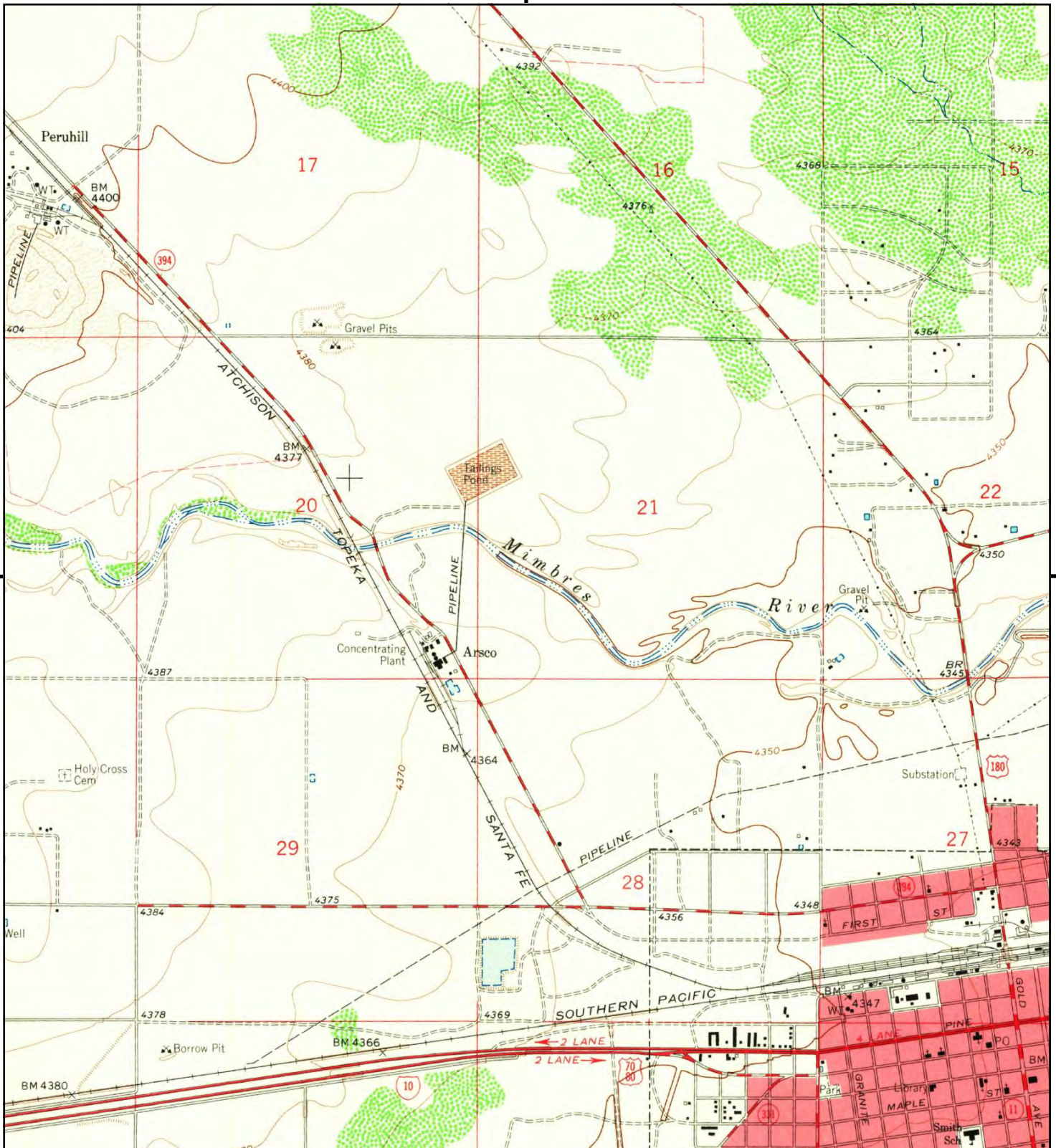


TP, Deming West, 2013, 7.5-minute

SITE NAME: Geo Southwest Deming
ADDRESS: US Highway 180
Deming, NM 88030
CLIENT: Enviro-Ag







This report includes information from the following map sheet(s).



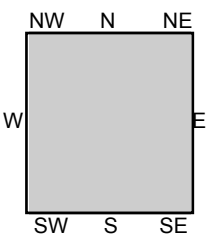
TP, Deming West, 1964, 7.5-minute

SITE NAME: Geo Southwest Deming
 ADDRESS: US Highway 180
 Deming, NM 88030
 CLIENT: Enviro-Ag





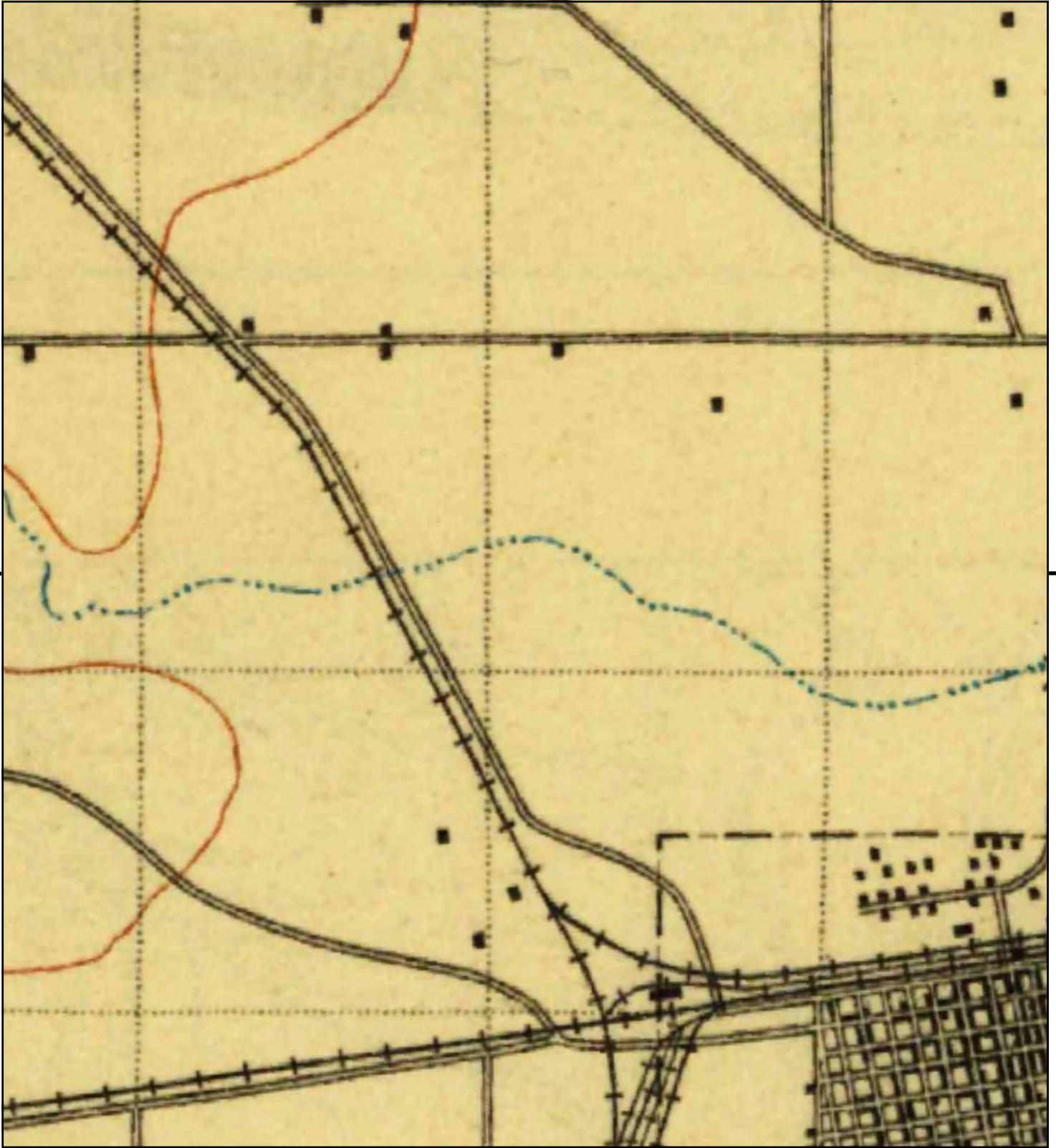
This report includes information from the following map sheet(s).



TP, Deming, 1916, 30-minute

SITE NAME: Geo Southwest Deming
ADDRESS: US Highway 180
Deming, NM 88030
CLIENT: Enviro-Ag





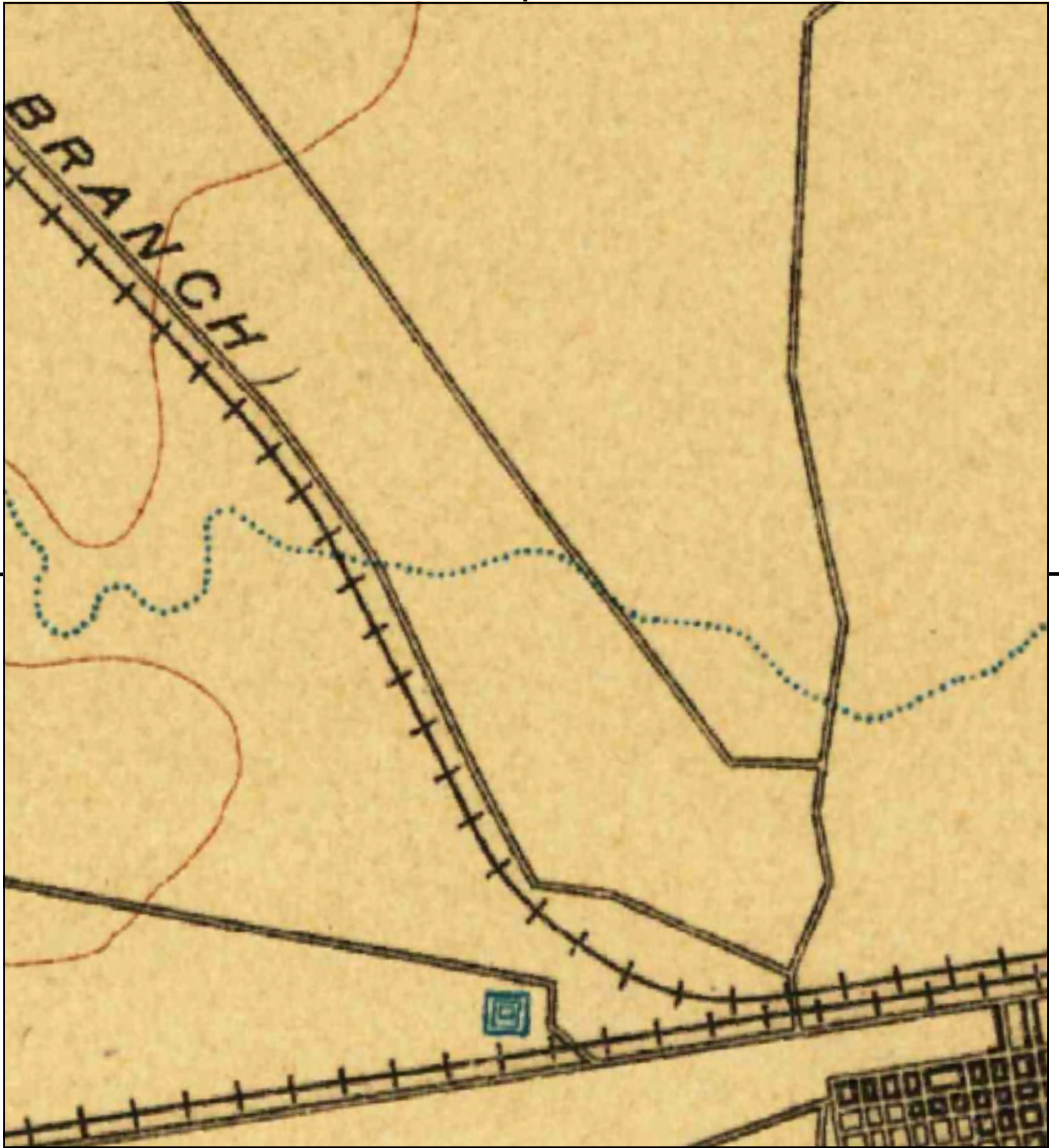
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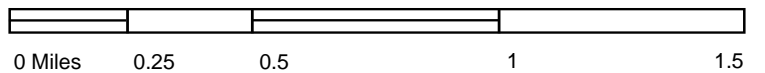
TP, Deming, 1915, 30-minute

SITE NAME: Geo Southwest Deming
ADDRESS: US Highway 180
Deming, NM 88030
CLIENT: Enviro-Ag





This report includes information from the following map sheet(s).



TP, Deming, 1899, 30-minute

SITE NAME: Geo Southwest Deming
ADDRESS: US Highway 180
Deming, NM 88030
CLIENT: Enviro-Ag





Geo Southwest Deming

US Highway 180

Deming, NM 88030

Inquiry Number: 4786568.9

November 23, 2016

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

11/23/16

Site Name:

Geo Southwest Deming
US Highway 180
Deming, NM 88030
EDR Inquiry # 4786568.9

Client Name:

Enviro-Ag
3404 Airway Blvd
Amarillo, TX 79118
Contact: Alicia Barley



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2011	1"=500'	Flight Year: 2011	NAIP-USGS
2009	1"=500'	Flight Year: 2009	NAIP-USGS
1996	1"=750'	Flight Date: September 21, 1996	NAPP
1986	1"=500'	Flight Date: June 17, 1986	USDA
1974	1"=1000'	Flight Date: November 11, 1974	USGS
1962	1"=500'	Flight Date: December 03, 1962	USGS
1954	1"=1000'	Flight Date: February 07, 1954	USGS

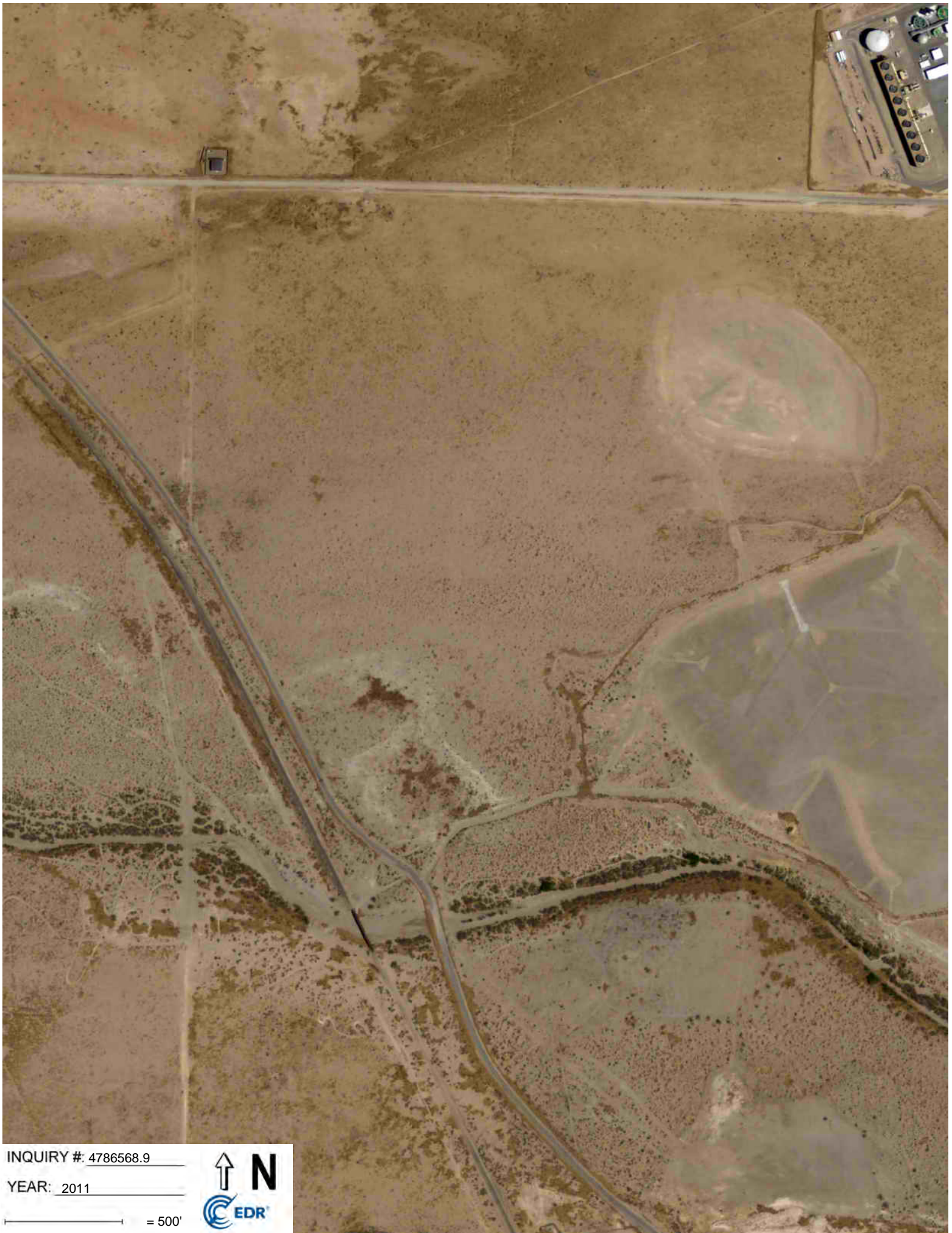
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INQUIRY #: 4786568.9

YEAR: 2011

— = 500'





INQUIRY #: 4786568.9

YEAR: 2011

— = 500'



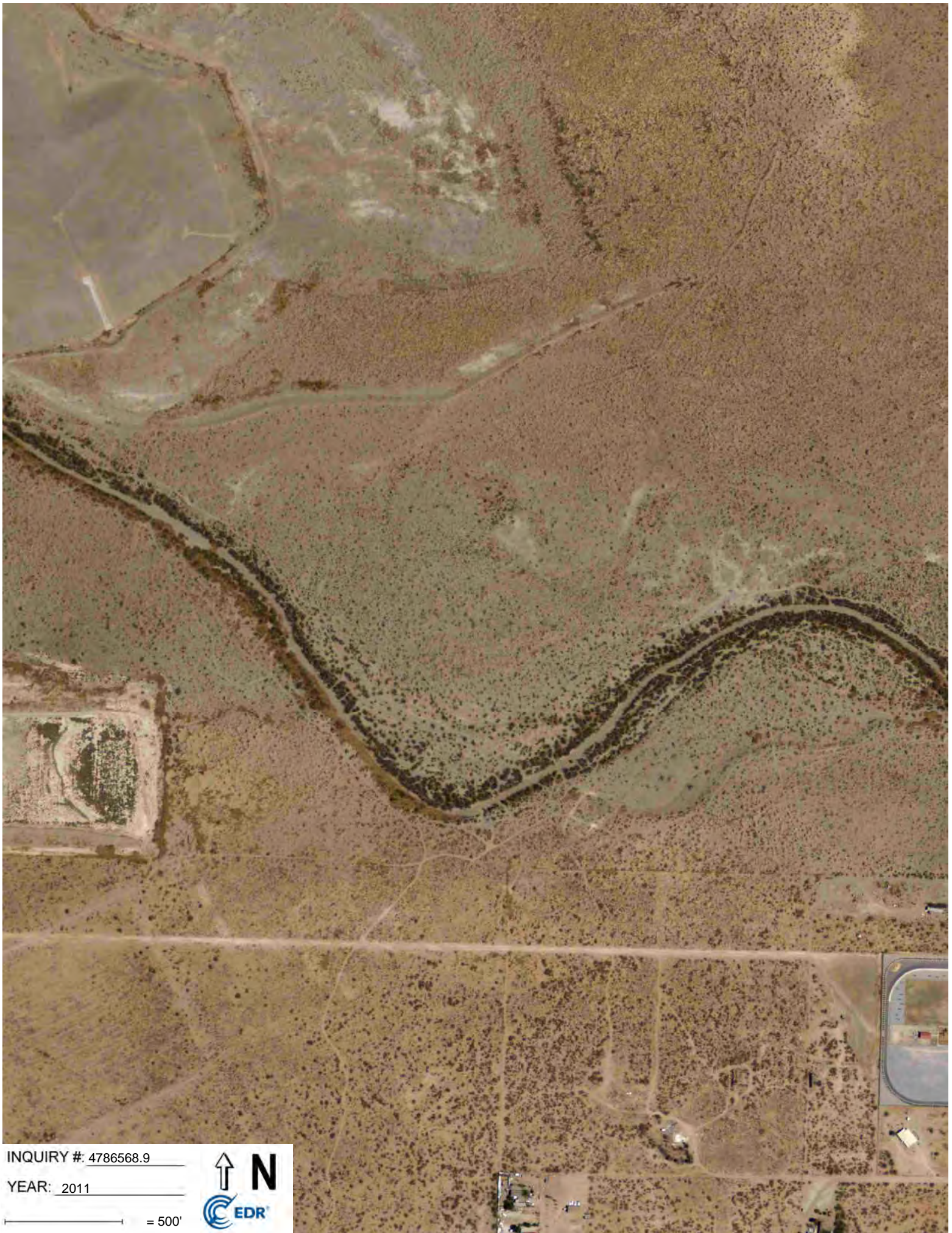


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YEAR: 2011

— = 500'





INQUIRY #: 4786568.9

YEAR: 2011

— = 500'



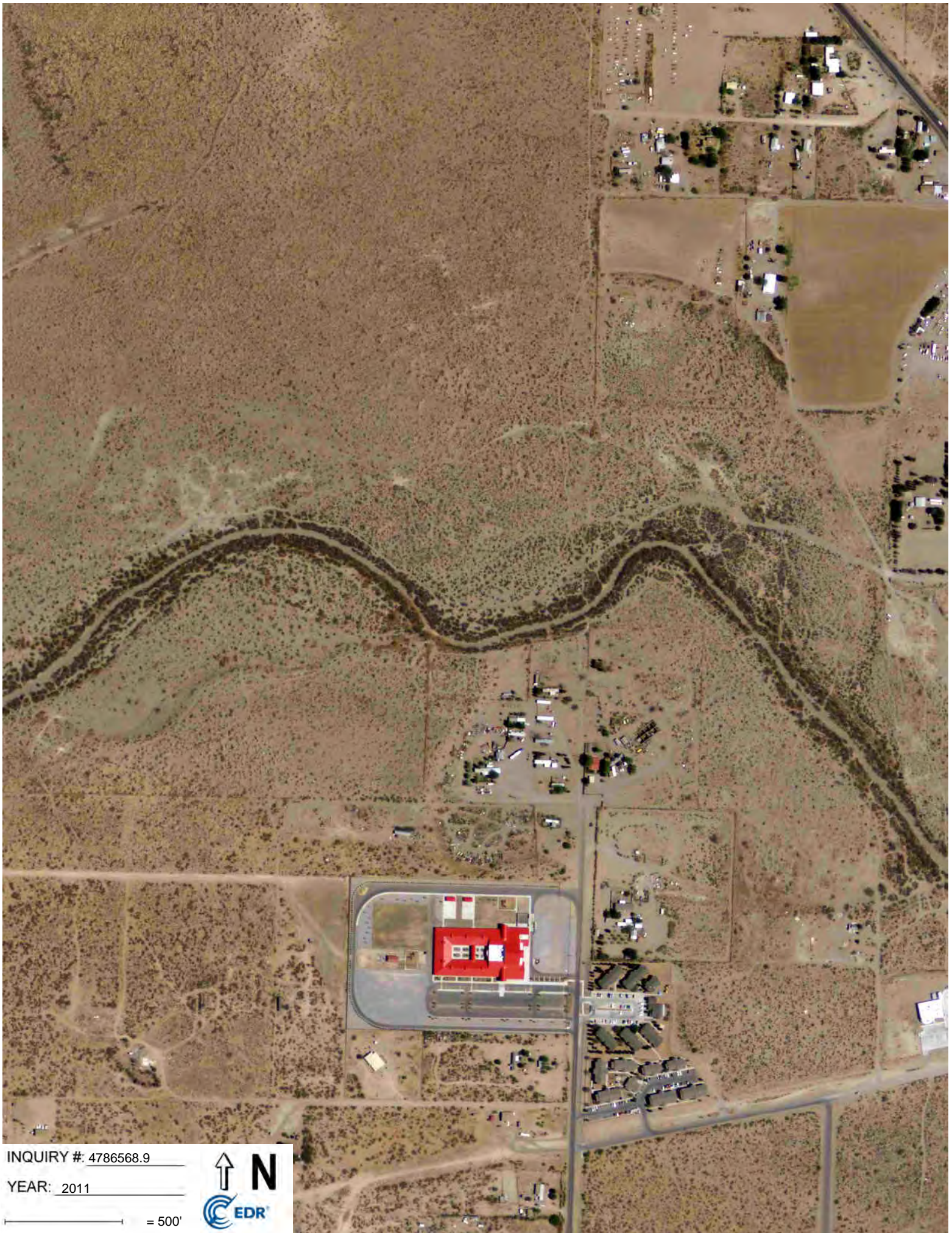


INQUIRY #: 4786568.9

YEAR: 2011

— = 500'





INQUIRY #: 4786568.9

YEAR: 2011

— = 500'





INQUIRY #: 4786568.9

YEAR: 2009

— = 500'





INQUIRY #: 4786568.9

YEAR: 2009

— = 500'



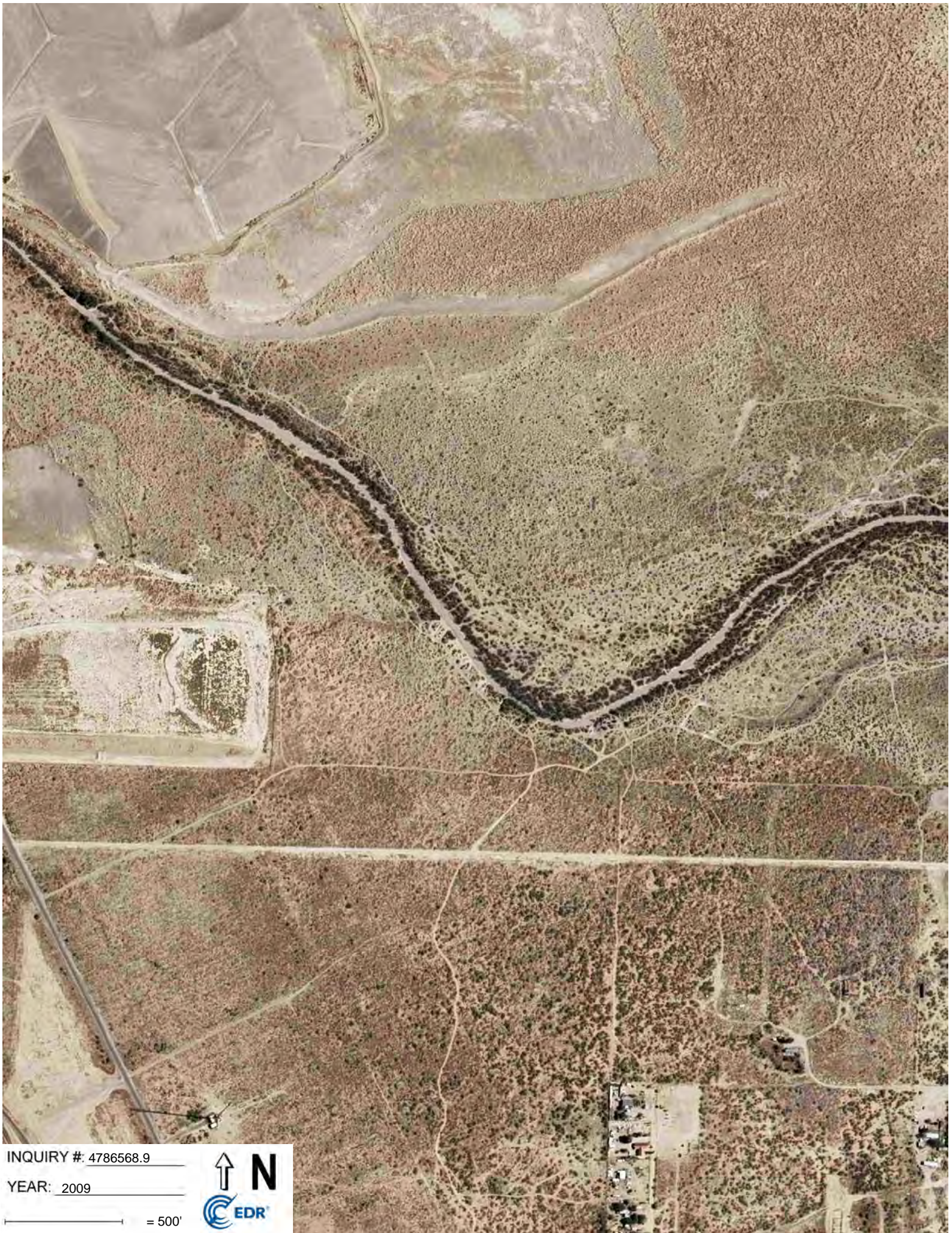


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YEAR: 2009

— = 500'





INQUIRY #: 4786568.9

YEAR: 2009

— = 500'



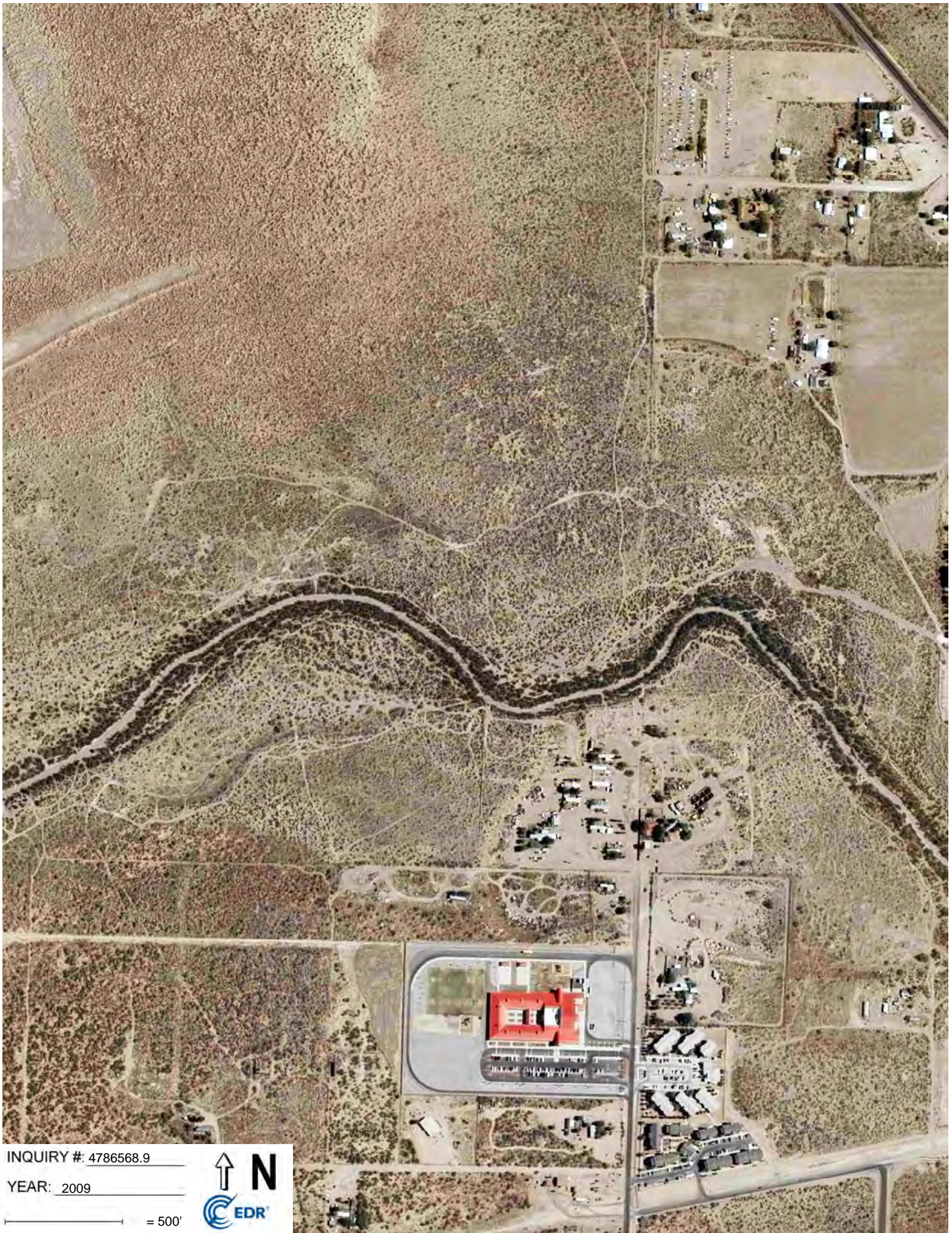


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YEAR: 2009

— = 500'





INQUIRY #: 4786568.9

YEAR: 2009

— = 500'





INQUIRY #: 4786568.9

YEAR: 1996

— = 750'





INQUIRY #: 4786568.9

YEAR: 1996

— = 750'





INQUIRY #: 4786568.9

YEAR: 1986

— = 500'





INQUIRY #: 4786568.9

YEAR: 1986

— = 500'





INQUIRY #: 4786568.9

YEAR: 1986

— = 500'





INQUIRY #: 4786568.9

YEAR: 1986

— = 500'





INQUIRY #: 4786568.9

YEAR: 1974

— = 1000'





INQUIRY #: 4786568.9

YEAR: 1974

— = 1000'





INQUIRY #: 4786568.9

YEAR: 1962

— = 500'





INQUIRY #: 4786568.9

YEAR: 1962

— = 500'





INQUIRY #: 4786568.9

YEAR: 1962

— = 500'







INQUIRY #: 4786568.9

YEAR: 1954

— = 1000'





INQUIRY #: 4786568.9

YEAR: 1954

— = 1000'



Geo Southwest Deming

US Highway 180

Deming, NM 88030

Inquiry Number: 04786568.6r

December 5, 2016

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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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 the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

		Summary		
		property	1/10	1/10 - 1/3
STANDARD ENVIRONMENTAL RECORDS	Maximum Search Distance*			
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	0	-	-
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	-	-
State and tribal - equivalent NPL	not searched	-	-	-
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	0
State and tribal registered storage tank lists	property	0	-	-
State and tribal institutional control / engineering control registries	property	0	-	-
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfields sites	0.333	0	0	0
Other Standard Environmental Records	0.333	0	0	0
HISTORICAL USE RECORDS				
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.125	0	0	0
Historical Dry Cleaners	0.125	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied. See the section 'Record Sources and Currency' for information on individual databases.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

GEO SOUTHWEST DEMING
US HIGHWAY 180
DEMING, NM 88030

COORDINATES

Latitude (North):	32.287581 - 32° 17' 15.296631"
Longitude (West):	107.783324 - 107° 46' 59.970703"
Elevation:	4356 ft. above sea level

EXECUTIVE SUMMARY

PHYSICAL SETTING INFORMATION

Flood Zone: Available

NWI Wetlands: Available

AQUIFLOW®

Search Radius: 0.333 Mile.

No Aquiflow sites reported.

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: Yturbide

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	16 inches	59 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 8.4 Min: 6.6

Soil Map ID: 2

Soil Component Name: Bluepoint

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.4
2	5 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.9

EXECUTIVE SUMMARY

Soil Map ID: 3

Soil Component Name: Bluepoint

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.4
2	5 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.9

Soil Map ID: 4

Soil Component Name: Bluepoint

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

EXECUTIVE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.4
2	5 inches	59 inches	loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 9 Min: 7.9

Soil Map ID: 5

Soil Component Name: Dona Ana

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.4
2	3 inches	22 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
3	22 inches	40 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
4	40 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.9

Soil Map ID: 6

Soil Component Name: Berino

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 7.8 Min: 6.6
2	5 inches	40 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.4
3	40 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.9

Soil Map ID: 7

Soil Component Name: Dona Ana

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	1 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.4
2	1 inches	18 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
3	18 inches	35 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
4	35 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.9

Soil Map ID: 8

Soil Component Name: Mine dump

Soil Surface Texture: fragmental material

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Unknown

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

EXECUTIVE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	59 inches	fragmental material	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141.14 Min: 42.34	Max: Min:

EXECUTIVE SUMMARY

SEARCH RESULTS

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

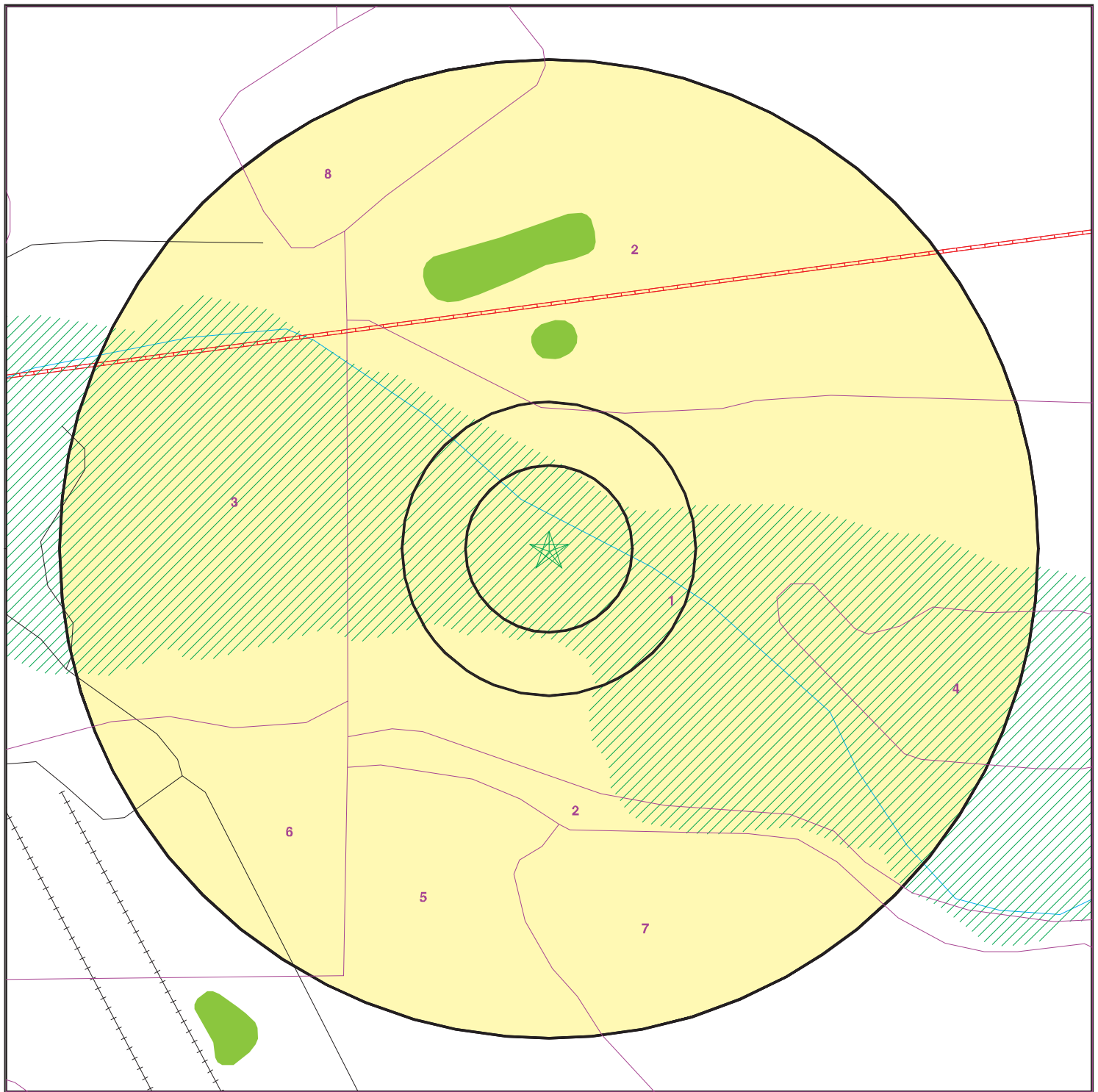
STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

HISTORICAL USE RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

PRIMARY MAP - 04786568.6R



★ Target Property

▲ Sites at elevations higher than or equal to the target property

▼ Sites at elevations lower than the target property

⚙ Manufactured Gas Plants

⚠ Sensitive Receptors

🏠 National Priority List Sites

🏠 Dept. Defense Sites

Indian Reservations BIA

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

➔ Groundwater Flow Direction

GI Indeterminate Groundwater Flow at Location

GV Groundwater Flow Varies at Location

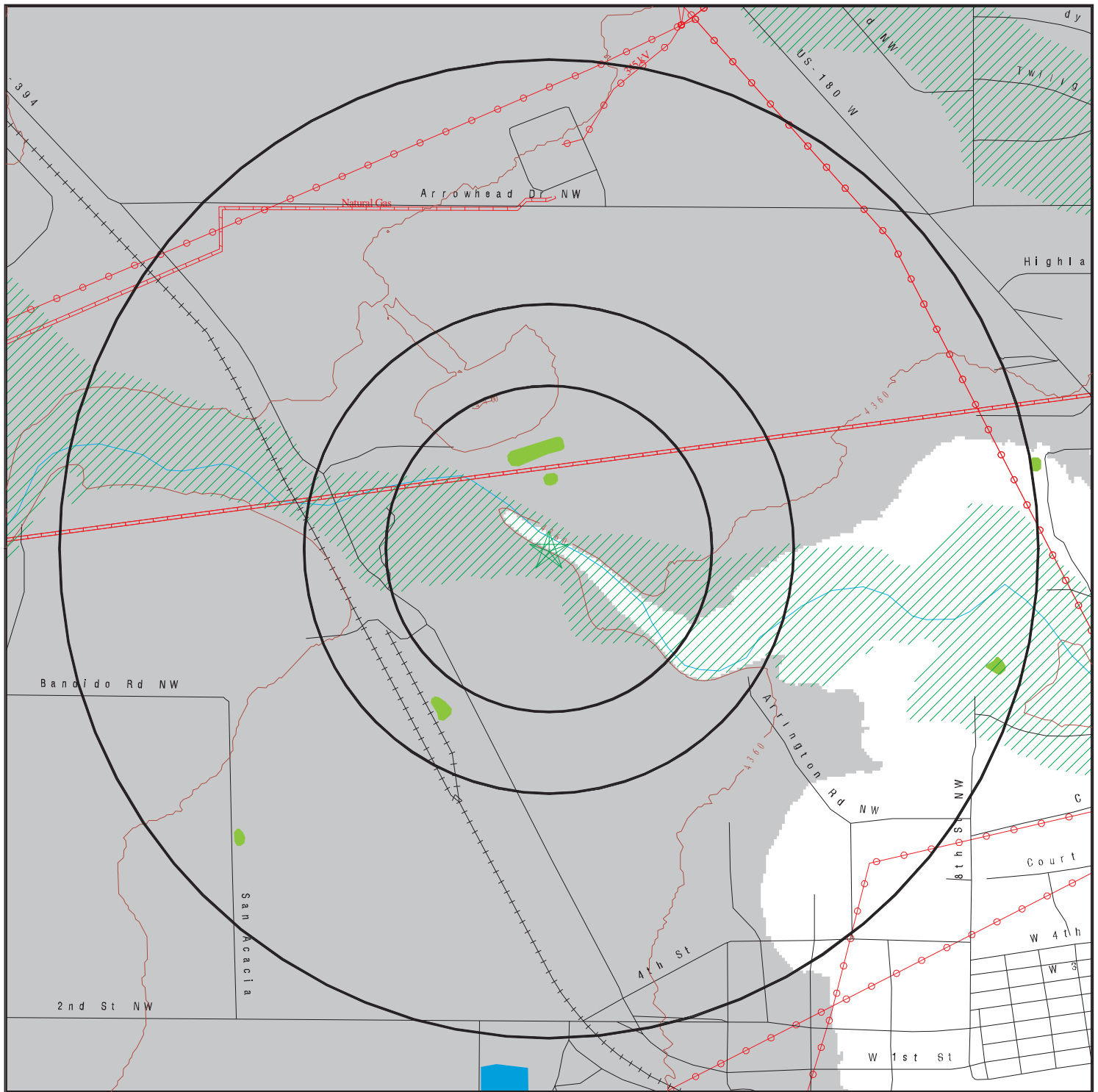
SSURGO Soil

0 300 1/3 Miles

SITE NAME: Geo Southwest Deming
ADDRESS: US Highway 180
Deming NM 88030
LAT/LONG: 32.287581 / 107.783324

CLIENT: Enviro-Ag
CONTACT: Alicia Barley
INQUIRY #: 04786568.6r
DATE: November 21, 2016 4:09 pm

SECONDARY MAP - 04786568.6R



★ Target Property

▲ Sites at elevations higher than or equal to the target property

▼ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

— Contour Lines

— Power transmission lines

— Pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

■ Upgradient Area

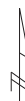
SITE NAME: Geo Southwest Deming
ADDRESS: US Highway 180
Deming NM 88030
LAT/LONG: 32.287581 / 107.783324

CLIENT: Enviro-Ag
CONTACT: Alicia Barley
INQUIRY #: 04786568.6r
DATE: November 21, 2016 4:07 pm

AERIAL PHOTOGRAPHY - 04786568.6r



0 300 1/3 Miles



SITE NAME: Geo Southwest Deming
ADDRESS: US Highway 180
Deming NM 88030
LAT/LONG: 32.287581 / 107.783324

CLIENT: Enviro-Ag
CONTACT: Alicia Barley
INQUIRY #: 04786568.6r
DATE: November 21, 2016 4:11 pm

MAP FINDINGS

LEGEND

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP				EDR SITE ID NUMBER
▼ MAP ID#	Direction	Distance	Range	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
			(Distance feet / miles)	
	Relative Elevation		Feet Above Sea Level	
Worksheet:				
Comments:				
Comments may be added on the online Vapor Encroachment Worksheet.				

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

RECORD SOURCES AND CURRENCY

To maintain currency of the following databases, EDR contacts the appropriate 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

PRP: Potentially Responsible Parties

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013

Source: EPA

Number of Days to Update: 3

Telephone: 202-564-6023

Last EDR Contact :11/07/2016

RMP: Risk Management Plans

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2016

Source: Environmental Protection Agency

Number of Days to Update: 81

Telephone: 202-564-8600

Last EDR Contact :11/18/2016

AIRS: Airs Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of facilities with Air Quality Bureau permits.

Date of Government Version: 07/25/2016

Source: New Mexico Environment Department

Number of Days to Update: 48

Telephone: 505-476-4339

Last EDR Contact :10/27/2016

ASBESTOS: List of Asbestos Demolition and Renovations Jobs

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 08/05/2016

Source: New Mexico Environment Department

Number of Days to Update: 91

Telephone: 505-827-1494

Last EDR Contact :10/24/2016

AST: Aboveground Storage Tanks List

RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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

Date of Government Version: 08/01/2006	Source: Environment Department
Number of Days to Update: 23	Telephone: 505-476-4397
Last EDR Contact :08/26/2016	

BROWNFIELDS: Brownfields Site Listing

Standard Environmental Record Source: State and tribal Brownfields sites
Search Distance: 0.333 Mile

A listing of targeted brownfields assessment.

Date of Government Version: 04/01/2016	Source: New Mexico Environment
Number of Days to Update: 27	Telephone: 505-827-0171
Last EDR Contact :11/11/2016	

CDL: Clandestine Drug Laboratory Listing

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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

Date of Government Version: 07/11/2013	Source: Environment Department
Number of Days to Update: 28	Telephone: 505-476-6000
Last EDR Contact :10/21/2016	

COAL MINES: Coal Mine Permits Database

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

New Mexico coal mines permitted under the Surface Mining Control and Reclamation Act of 1977 (SMCRA), by either the NM Mining & Minerals Division (MMD), or by the federal DOI Office of Surface Mining, Reclamation & Enforcement.

Date of Government Version: 07/13/2012	Source: Bureau of Geology and Mineral Resources
Number of Days to Update: 25	Telephone: 505-476-3402
Last EDR Contact :12/17/2012	

COAL MINES 2: Coal Permit Boundaries

Standard Environmental Record Source: Other Standard Environmental Records
ESRI ArcView shapefile depicting New Mexico coal mines permitted under the Surface Mining Control and Reclamation Act of 1977 (SMCRA), by either the NM Mining & Minerals Division (MMD), or by the federal DOI Office of Surface Mining, Reclamation & Enforcement.

Date of Government Version: 02/01/2014	Source: Mining & Minerals Division
Number of Days to Update: 24	Telephone: 505-476-3417
Last EDR Contact :09/23/2016	

DRYCLEANERS: Drycleaner Facility Listing

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

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

RECORD SOURCES AND CURRENCY

Date of Government Version: 01/06/2010
Number of Days to Update: 28
Last EDR Contact :09/26/2016

Source: Environment Department
Telephone: 505-222-9507

FINANCIAL ASSURANCE 1: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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

Date of Government Version: 12/03/2012
Number of Days to Update: 6
Last EDR Contact :10/31/2016

Source: Environment Department
Telephone: 505-827-0197

FINANCIAL ASSURANCE 2: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records

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

Date of Government Version: 08/08/2016
Number of Days to Update: 85
Last EDR Contact :10/31/2016

Source: Environment Department
Telephone: 505-476-6018

INST CONTROL: Sites with Institutional Controls

Standard Environmental Record Source: State and tribal institutional control / engineering control registries
Search Distance: Property

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

Date of Government Version: 06/30/2016
Number of Days to Update: 57
Last EDR Contact :10/19/2016

Source: Environment Department
Telephone: 505-827-2754

LAST: Leaking Aboveground Storage Tank Sites

Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

A listing of leaking aboveground storage tank sites.

Date of Government Version: 05/01/2006
Number of Days to Update: 35
Last EDR Contact :09/23/2016

Source: Environment Department
Telephone: 505-476-4397

LTANKS: Leaking Storage Tank Listing

Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

A listing of leaking storage tank site locations.

Date of Government Version: 07/06/2016
Number of Days to Update: 69
Last EDR Contact :10/07/2016

Source: Environment Department
Telephone: 505-476-4390

LUST: Leaking Underground Storage Tank Priorization Database

RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile

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

Date of Government Version: 08/01/2006	Source: New Mexico Environment Department
Number of Days to Update: 33	Telephone: 505-476-4397
Last EDR Contact :09/23/2016	

NPDES: List of Discharge Permits

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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

Date of Government Version: 04/01/2016	Source: Environment Department
Number of Days to Update: 56	Telephone: 505-827-2918
Last EDR Contact :10/19/2016	

SCS: State Cleanup Sites Listing

Standard Environmental Record Source: State and tribal - equivalent CERCLIS
Search Distance: 0.333 Mile

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

Date of Government Version: 05/11/2016	Source: Environment Department
Number of Days to Update: 56	Telephone: 505-827-2855
Last EDR Contact :10/19/2016	

SPILLS: Spill Data

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

Hazardous materials spills data.

Date of Government Version: 07/01/2016	Source: Environment Department
Number of Days to Update: 68	Telephone: 505-827-0166
Last EDR Contact :09/26/2016	

SWF/LF: Solid Waste Facilities

Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

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: 12/15/2015	Source: New Mexico Environment Department
Number of Days to Update: 175	Telephone: 505-827-0347
Last EDR Contact :11/11/2016	

SWRCY: Recycling Facility Listing

Standard Environmental Record Source: State and tribal landfill / solid waste disposal
Search Distance: 0.333 Mile

RECORD SOURCES AND CURRENCY

A listing of recycling facility locations.

Date of Government Version: 12/15/2015
Number of Days to Update: 175
Last EDR Contact :11/11/2016

Source: Environment Department
Telephone: 505-827-0197

TANKS: Storage Tank Facility Listing

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

A listing of aboveground and underground storage tank site locations.

Date of Government Version: 07/21/2016
Number of Days to Update: 68
Last EDR Contact :09/01/2016

Source: Environment Department
Telephone: 505-476-4390

UST: Listing of Underground Storage Tanks

Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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
Number of Days to Update: 26
Last EDR Contact :08/26/2016

Source: New Mexico Environment Department
Telephone: 505-476-4397

VCP: Voluntary Remediation Program Sites

Standard Environmental Record Source: State and tribal voluntary cleanup sites
Search Distance: 0.333 Mile

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 06/30/2016
Number of Days to Update: 57
Last EDR Contact :10/19/2016

Source: Environment Department
Telephone: 505-827-2754

2020 COR ACTION: 2020 Corrective Action Program List

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.25 Mile

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Number of Days to Update: 6
Last EDR Contact :11/11/2016

Source: Environmental Protection Agency
Telephone: 703-308-4044

COAL ASH DOE: Steam-Electric Plant Operation Data

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

RECORD SOURCES AND CURRENCY

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

Date of Government Version: 12/31/2005

Source: Department of Energy

Number of Days to Update: 76

Telephone: 202-586-8719

Last EDR Contact :09/09/2016

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Date of Government Version: 07/01/2014

Source: Environmental Protection Agency

Number of Days to Update: 40

Telephone: Not Reported

Last EDR Contact :09/06/2016

CONSENT: Superfund (CERCLA) Consent Decrees

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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

Date of Government Version: 03/31/2016

Source: Department of Justice, Consent Decree Library

Number of Days to Update: 53

Telephone: Varies

Last EDR Contact :09/26/2016

CORRACTS: Corrective Action Report

Standard Environmental Record Source: Federal RCRA CORRACTS facilities list

Search Distance: 0.333 Mile

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/27/2016

Source: EPA

Number of Days to Update: 64

Telephone: 800-424-9346

Last EDR Contact :09/28/2016

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

Standard Environmental Record Source: State and tribal landfill / solid waste disposal

Search Distance: 0.333 Mile

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

Date of Government Version: 01/12/2009

Source: EPA, Region 9

Number of Days to Update: 137

Telephone: 415-947-4219

Last EDR Contact :10/24/2016

DOCKET HWC: Hazardous Waste Compliance Docket Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016

Source: Environmental Protection Agency

Number of Days to Update: 91

Telephone: 202-564-0527

RECORD SOURCES AND CURRENCY

Last EDR Contact :08/24/2016

DOT OPS: Incident and Accident Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 07/31/2012

Source: Department of Transportation, Office of Pipeline Safety

Number of Days to Update: 42

Telephone: 202-366-4595

Last EDR Contact :11/02/2016

Delisted NPL: National Priority List Deletions

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 03/07/2016

Source: EPA

Number of Days to Update: 10

Telephone: Not Reported

Last EDR Contact :10/05/2016

ECHO: Enforcement & Compliance History Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/18/2016

Source: Environmental Protection Agency

Number of Days to Update: 31

Telephone: 202-564-2280

Last EDR Contact :09/20/2016

EPA WATCH LIST: EPA WATCH LIST

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013

Source: Environmental Protection Agency

Number of Days to Update: 88

Telephone: 617-520-3000

Last EDR Contact :11/08/2016

ERNS: Emergency Response Notification System

Standard Environmental Record Source: Federal ERNS list

Search Distance: Property

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

Date of Government Version: 09/26/2016

Source: National Response Center, United States Coast Guard

Number of Days to Update: 43

Telephone: 202-267-2180

RECORD SOURCES AND CURRENCY

Last EDR Contact :09/29/2016

FEMA UST: Underground Storage Tank Listing

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010

Source: FEMA

Number of Days to Update: 55

Telephone: 202-646-5797

Last EDR Contact :10/11/2016

FINDS: Facility Index System/Facility Registry System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 07/15/2016

Source: EPA

Number of Days to Update: 65

Telephone: Not Reported

Last EDR Contact :09/07/2016

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

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :11/17/2016

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

Standard Environmental Record Source: Other Standard Environmental Records

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009

Source: EPA

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact :11/17/2016

FUDS: Formerly Used Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 01/31/2015

Source: U.S. Army Corps of Engineers

Number of Days to Update: 97

Telephone: 202-528-4285

RECORD SOURCES AND CURRENCY

Last EDR Contact :09/09/2016

FUELS PROGRAM: EPA Fuels Program Registered Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2016

Source: EPA

Number of Days to Update: 59

Telephone: 800-385-6164

Last EDR Contact :08/23/2016

FUSRAP: Formerly Utilized Sites Remedial Action Program

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/21/2016

Source: Department of Energy

Number of Days to Update: 59

Telephone: 202-586-3559

Last EDR Contact :11/08/2016

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Source: Environmental Protection Agency

Number of Days to Update: 40

Telephone: 202-564-2501

Last EDR Contact :12/17/2007

HMIRS: Hazardous Materials Information Reporting System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 06/27/2016

Source: U.S. Department of Transportation

Number of Days to Update: 87

Telephone: 202-366-4555

Last EDR Contact :09/27/2016

ICIS: Integrated Compliance Information System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 07/27/2016

Source: Environmental Protection Agency

Number of Days to Update: 77

Telephone: 202-564-5088

RECORD SOURCES AND CURRENCY

Last EDR Contact :10/11/2016

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

Search Distance: 0.333 Mile

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015

Source: EPA Region 1

Number of Days to Update: 67

Telephone: 617-918-1313

Last EDR Contact :10/28/2016

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016

Source: EPA Region 10

Number of Days to Update: 41

Telephone: 206-553-2857

Last EDR Contact :10/28/2016

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016

Source: EPA Region 4

Number of Days to Update: 35

Telephone: 404-562-8677

Last EDR Contact :10/28/2016

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016

Source: EPA, Region 5

Number of Days to Update: 37

Telephone: 312-886-7439

Last EDR Contact :10/28/2016

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015

Source: EPA Region 6

Number of Days to Update: 105

Telephone: 214-665-6597

Last EDR Contact :10/28/2016

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015

Source: EPA Region 7

Number of Days to Update: 112

Telephone: 913-551-7003

Last EDR Contact :10/28/2016

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

RECORD SOURCES AND CURRENCY

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

Date of Government Version: 10/13/2015

Source: EPA Region 8

Number of Days to Update: 118

Telephone: 303-312-6271

Last EDR Contact :10/28/2016

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016

Source: Environmental Protection Agency

Number of Days to Update: 37

Telephone: 415-972-3372

Last EDR Contact :10/28/2016

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

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998

Source: Environmental Protection Agency

Number of Days to Update: 52

Telephone: 703-308-8245

Last EDR Contact :10/31/2016

INDIAN UST R1: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

Search Distance: Property

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

Date of Government Version: 10/20/2015

Source: EPA, Region 1

Number of Days to Update: 67

Telephone: 617-918-1313

Last EDR Contact :10/28/2016

INDIAN UST R10: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 01/07/2016

Source: EPA Region 10

Number of Days to Update: 41

Telephone: 206-553-2857

Last EDR Contact :10/28/2016

INDIAN UST R4: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 02/05/2016

Source: EPA Region 4

Number of Days to Update: 35

Telephone: 404-562-9424

Last EDR Contact :10/28/2016

INDIAN UST R5: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

RECORD SOURCES AND CURRENCY

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: 11/05/2015

Source: EPA Region 5

Number of Days to Update: 52

Telephone: 312-886-6136

Last EDR Contact :10/28/2016

INDIAN UST R6: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 12/03/2015

Source: EPA Region 6

Number of Days to Update: 120

Telephone: 214-665-7591

Last EDR Contact :10/28/2016

INDIAN UST R7: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 09/23/2014

Source: EPA Region 7

Number of Days to Update: 65

Telephone: 913-551-7003

Last EDR Contact :10/28/2016

INDIAN UST R8: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 01/26/2016

Source: EPA Region 8

Number of Days to Update: 119

Telephone: 303-312-6137

Last EDR Contact :10/28/2016

INDIAN UST R9: Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal registered storage tank lists

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: 02/25/2016

Source: EPA Region 9

Number of Days to Update: 37

Telephone: 415-972-3368

Last EDR Contact :10/28/2016

INDIAN VCP R1: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

Search Distance: Property

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

Date of Government Version: 07/27/2015

Source: EPA, Region 1

Number of Days to Update: 142

Telephone: 617-918-1102

Last EDR Contact :09/26/2016

INDIAN VCP R7: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

RECORD SOURCES AND CURRENCY

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

Date of Government Version: 03/20/2008

Source: EPA, Region 7

Number of Days to Update: 27

Telephone: 913-551-7365

Last EDR Contact :04/20/2009

LEAD SMELTER 1: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of former lead smelter site locations.

Date of Government Version: 03/07/2016

Source: Environmental Protection Agency

Number of Days to Update: 148

Telephone: 703-603-8787

Last EDR Contact :10/20/2016

LEAD SMELTER 2: Lead Smelter Sites

Standard Environmental Record Source: Other Standard Environmental Records

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001

Source: American Journal of Public Health

Number of Days to Update: 36

Telephone: 703-305-6451

Last EDR Contact :12/02/2009

LIENS 2: CERCLA Lien Information

Standard Environmental Record Source: Federal CERCLIS

Search Distance: Property

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: 02/18/2014

Source: Environmental Protection Agency

Number of Days to Update: 37

Telephone: 202-564-6023

Last EDR Contact :10/28/2016

LUCIS: Land Use Control Information System

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: 0.333 Mile

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

Date of Government Version: 05/28/2015

Source: Department of the Navy

Number of Days to Update: 13

Telephone: 843-820-7326

Last EDR Contact :11/18/2016

MLTS: Material Licensing Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 08/30/2016

Source: Nuclear Regulatory Commission

RECORD SOURCES AND CURRENCY

Number of Days to Update: 43
Last EDR Contact :11/07/2016

Telephone: 301-415-7169

NPL: National Priority List

Standard Environmental Record Source: Federal NPL
Search Distance: 0.333 Mile

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: 03/07/2016
Number of Days to Update: 10
Last EDR Contact :10/05/2016

Source: EPA
Telephone: Not Reported

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-566-0690

EPA Region 1
Telephone: 617-918-1102

EPA Region 2
Telephone: 212-637-4293

EPA Region 3
Telephone: 215-814-5418

EPA Region 4
Telephone: 404-562-8681

EPA Region 5
Telephone: 312-353-1063

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6118

EPA Region 9
Telephone: 415-947-4579

EPA Region 10
Telephone: 206-553-4479

NPL LIENS: Federal Superfund Liens

Standard Environmental Record Source: Federal NPL
Search Distance: Property

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
Number of Days to Update: 56
Last EDR Contact :08/15/2011

Source: EPA
Telephone: 202-564-4267

ODI: Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records

RECORD SOURCES AND CURRENCY

Search Distance: 0.333 Mile

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

Source: Environmental Protection Agency

Number of Days to Update: 39

Telephone: 800-424-9346

Last EDR Contact :06/09/2004

PADS: PCB Activity Database System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 01/20/2016

Source: EPA

Number of Days to Update: 127

Telephone: 202-566-0500

Last EDR Contact :10/14/2016

PCB TRANSFORMER: PCB Transformer Registration Database

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 02/01/2011

Source: Environmental Protection Agency

Number of Days to Update: 83

Telephone: 202-566-0517

Last EDR Contact :10/28/2016

Proposed NPL: Proposed National Priority List Sites

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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

Date of Government Version: 03/07/2016

Source: EPA

Number of Days to Update: 10

Telephone: Not Reported

Last EDR Contact :10/05/2016

RAATS: RCRA Administrative Action Tracking System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Source: EPA

Number of Days to Update: 35

Telephone: 202-564-4104

Last EDR Contact :06/02/2008

RADINFO: Radiation Information Database

Standard Environmental Record Source: Other Standard Environmental Records

RECORD SOURCES AND CURRENCY

Search Distance: Property

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: 10/03/2016

Source: Environmental Protection Agency

Number of Days to Update: 16

Telephone: 202-343-9775

Last EDR Contact :10/05/2016

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 06/21/2016

Source: Environmental Protection Agency

Number of Days to Update: 64

Telephone: 703-308-8895

Last EDR Contact :09/28/2016

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

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

Date of Government Version: 06/21/2016

Source: Environmental Protection Agency

Number of Days to Update: 64

Telephone: 703-308-8895

Last EDR Contact :09/28/2016

RCRA-LQG: RCRA - Large Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

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

Date of Government Version: 06/21/2016

Source: Environmental Protection Agency

Number of Days to Update: 64

Telephone: 703-308-8895

Last EDR Contact :09/28/2016

RCRA-SQG: RCRA - Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list

Search Distance: Property

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.

RECORD SOURCES AND CURRENCY

Date of Government Version: 06/21/2016

Source: Environmental Protection Agency

Number of Days to Update: 64

Telephone: 703-308-8895

Last EDR Contact :09/28/2016

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

Standard Environmental Record Source: Federal RCRA TSD facilities list

Search Distance: 0.333 Mile

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

Date of Government Version: 06/21/2016

Source: Environmental Protection Agency

Number of Days to Update: 64

Telephone: 703-308-8895

Last EDR Contact :09/28/2016

ROD: Records Of Decision

Standard Environmental Record Source: Federal NPL

Search Distance: 0.333 Mile

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: 11/25/2013

Source: EPA

Number of Days to Update: 74

Telephone: 703-416-0223

Last EDR Contact :09/09/2016

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 03/07/2011

Source: Environmental Protection Agency

Number of Days to Update: 54

Telephone: 615-532-8599

Last EDR Contact :11/17/2016

SEMS: Superfund Enterprise Management System

Standard Environmental Record Source: Federal CERCLIS

Search Distance: 0.333 Mile

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016

Source: EPA

Number of Days to Update: 10

Telephone: 800-424-9346

Last EDR Contact :10/20/2016

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

RECORD SOURCES AND CURRENCY

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 03/07/2016

Source: EPA

Number of Days to Update: 10

Telephone: 800-424-9346

Last EDR Contact :10/20/2016

SSTS: Section 7 Tracking Systems

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 12/31/2009

Source: EPA

Number of Days to Update: 77

Telephone: 202-564-4203

Last EDR Contact :10/24/2016

TRIS: Toxic Chemical Release Inventory System

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 12/31/2014

Source: EPA

Number of Days to Update: 133

Telephone: 202-566-0250

Last EDR Contact :08/26/2016

TSCA: Toxic Substances Control Act

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 12/31/2012

Source: EPA

Number of Days to Update: 14

Telephone: 202-260-5521

Last EDR Contact :09/23/2016

UMTRA: Uranium Mill Tailings Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

RECORD SOURCES AND CURRENCY

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

Date of Government Version: 09/14/2010
Number of Days to Update: 146
Last EDR Contact :09/09/2016

Source: Department of Energy
Telephone: 505-845-0011

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 06/30/2016
Number of Days to Update: 88
Last EDR Contact :09/26/2016

Source: EPA
Telephone: 202-564-2496

US AIRS MINOR: Air Facility System Data

Standard Environmental Record Source: Other Standard Environmental Records
A listing of minor source facilities.

Date of Government Version: 06/30/2016
Number of Days to Update: 88
Last EDR Contact :09/26/2016

Source: EPA
Telephone: 202-564-2496

US BROWNFIELDS: A Listing of Brownfields Sites

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: 0.333 Mile

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/20/2016
Number of Days to Update: 51
Last EDR Contact :09/21/2016

Source: Environmental Protection Agency
Telephone: 202-566-2777

US CDL: Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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: 08/30/2016
Number of Days to Update: 17

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

RECORD SOURCES AND CURRENCY

Last EDR Contact :08/31/2016

US ENG CONTROLS: Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

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: 05/09/2016

Source: Environmental Protection Agency

Number of Days to Update: 93

Telephone: 703-603-0695

Last EDR Contact :08/31/2016

US FIN ASSUR: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 07/12/2016

Source: Environmental Protection Agency

Number of Days to Update: 65

Telephone: 202-566-1917

Last EDR Contact :11/16/2016

US HIST CDL: National Clandestine Laboratory Register

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 08/31/2016

Source: Drug Enforcement Administration

Number of Days to Update: 17

Telephone: 202-307-1000

Last EDR Contact :08/31/2016

US INST CONTROL: Sites with Institutional Controls

Standard Environmental Record Source: Federal institutional controls / engineering controls registries

Search Distance: Property

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: 05/09/2016

Source: Environmental Protection Agency

Number of Days to Update: 93

Telephone: 703-603-0695

Last EDR Contact :08/31/2016

US MINES: Mines Master Index File

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 08/05/2016

Source: Department of Labor, Mine Safety and Health Administration

Number of Days to Update: 22

Telephone: 303-231-5959

RECORD SOURCES AND CURRENCY

Last EDR Contact :09/01/2016

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

Standard Environmental Record Source: Other Standard Environmental Records

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005

Source: USGS

Number of Days to Update: 49

Telephone: 703-648-7709

Last EDR Contact :09/02/2016

US MINES 3: Active Mines & Mineral Plants Database Listing

Standard Environmental Record Source: Other Standard Environmental Records

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011

Source: USGS

Number of Days to Update: 97

Telephone: 703-648-7709

Last EDR Contact :09/02/2016

DOD: Department of Defense Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Source: USGS

Number of Days to Update: 62

Telephone: 888-275-8747

Last EDR Contact :10/14/2016

INDIAN RESERV: Indian Reservations

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Source: USGS

Number of Days to Update: 34

Telephone: 202-208-3710

Last EDR Contact :10/14/2016

PWS: Public Water System Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 12/17/2013

Source: EPA

Number of Days to Update: 279

Telephone: Not Reported

Last EDR Contact :08/29/2016

RECORD SOURCES AND CURRENCY

HISTORICAL USE RECORDS

RGA LF: Recovered Government Archive Solid Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Mexico Environment Department in New Mexico.

Date of Government Version: Not Reported

Source: New Mexico Environment Department

Number of Days to Update: 199

Telephone: Not Reported

Last EDR Contact :06/01/2012

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Mexico Environment Department in New Mexico.

Date of Government Version: Not Reported

Source: New Mexico Environment Department

Number of Days to Update: 186

Telephone: Not Reported

Last EDR Contact :06/01/2012

EDR Hist Auto: EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations

Search Distance: 0.125 Mile

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

Search Distance: 0.125 Mile

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: 02/20/2007

Source: EDR, Inc.

Number of Days to Update: 42

Telephone: Not Reported

Last EDR Contact :02/21/2007

EDR MGP: EDR Proprietary Manufactured Gas Plants

Standard Environmental Record Source: Former manufactured Gas Plants

Search Distance: 0.333 Mile

RECORD SOURCES AND CURRENCY

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: 08/28/2009

Source: EDR, Inc.

Number of Days to Update: 55

Telephone: Not Reported

Last EDR Contact :11/30/2012

RECORD SOURCES AND CURRENCY

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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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® 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

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.

STREET AND ADDRESS INFORMATION

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ATTACHMENT 4



(1) View to the west from the southwest corner of tract 3 of the subject property. Residence in background.



(2) View to the northeast of the interior of tract 3 from the southwest corner of tract 3 of the subject property.



(3) View to the southeast from the southwest corner of tract 3 of the subject property. Structures in the background are off-site.



(4) View to the northwest from the northwest corner of tract 3 of the subject property. All in the view are off-site.



(5) View to the northeast from the northwest corner of tract 3 of the subject property. All structures in the view are off-site and associated with the mill.



(6) View to the southeast of the interior of tract 3 from the northwest corner of tract 3 of the subject property. Concrete footings at the right of the view may be from Camp Cody (circa 1916-1919).

Geo Southwest, Ltd.
Deming, New Mexico
Luna County

Site Photos
Inspection Date: 11/17/2016
Sheet 1 of 6



Enviro-Ag Engineering, Inc.
ENGINEERING CONSULTANTS
3404 Airway Boulevard
AMARILLO, TEXAS 79118
TEL (806) 353-6123 FAX (806) 353-4132



(7) View to the northwest from the northeast corner of tract 3 of the subject property. All in the view are off-site.



(8) View to the northeast from the northeast corner of tract 3 of the subject property. Structures are the off-site mill facility.



(9) View to the east from the property boundary at southern portion of tract 3 of the subject property. All in the view are off-site.



(10) View to the southwest of the interior of the property from the property boundary at southern portion of tract 3.



(11) View to the northwest of the interior of the property from the property boundary at southern portion of tract 3. Structures in background are off-site.



(12) View to the west off-site from the southwest corner of tract 6 of the subject property. All in view are off-site. In view is the possible location of the off-site WWI garbage dump.

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Luna County

Site Photos
Inspection Date: 11/17/2016
Sheet 2 of 6



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(13) View to the southeast of off-site lands from the southwest corner of tract 6 of the subject property. In background on the right is an off-site tailings area just east of the mill.



(14) Looking northeast at the interior of the subject property from the southwest corner of tract 6 of the subject property. In foreground is the dry bed of the Mimbres River.



(15) Looking north across the dry bed of the Mimbres River from the northwest corner of tract 5. Visible in the background is the off-site tailings pile which is surrounded by the subject property.



(16) View to the southwest from the northwest corner of tract 5. All in view is off-site. In background at right is the off-site mill.



(17) View to the northwest from the northwest corner of tract 6. All in view is off-site. In foreground are transmission lines for the Luna power plant. In background at right is Black Mountain (off-site).



(18) View to the north from the northwest corner of tract 6. All in view is off-site.

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Site Photos
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Sheet 3 of 6



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(19) Looking northeast from the northwest corner of tract 6. The foreground is the subject property. In the background is the off-site Luna power plant.



(20) View of the interior of tract 6 from the northwest corner of tract 6. In background at the center-left is the off-site remediated tailings area. In background at right is the off-site mill.



(21) View to the south of the northeast corner of tract 1 where a small area is leased out for use as a horse pen.



(22) View to the northeast from the northeast corner of tract 1 of the subject property. All in view is off-site, the road is Hwy-180.



(23) View to the southeast from the northeast corner of tract 1 of the subject property. All in view is off-site, the road is Hwy-180.



(24) Looking west from the northeast corner of tract 1 of the subject property. Most in view is the interior of tract 1, though the off-site Luna power plant is visible at the right.

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Site Photos
Inspection Date: 11/17/2016
Sheet 4 of 6



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(25) Looking south along east perimeter of tract 1. Typical pole-mounted electrical transformers found along portions of the subject property perimeter.



(26) View off-site to the east from mid-eastern property boundary of tract 1. Off-site residences in background.



(27) Looking southwest from southeast corner of tract 5. Foreground is subject property. All structures in background are off-site.



(28) View to the northwest from the southeast portion of tract 5 of the subject property. Foreground is subject property. Background is the off-site Luna power plant and Black Mountain.



(29) Looking west at interior of tracts 1 and 5 from the southeast portion of tract 5. Visible structures are off-site.



(30) Miscellaneous debris on tract 5 of the subject property. Typical of several observed.

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Site Photos
Inspection Date: 11/17/2016
Sheet 5 of 6



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(31) Looking south from the intersection of tracts 4 and 6 in the northern portion of the subject property. View is of the borrow pit for material used in remediation of the windblown tailings areas.



(32) View to the east of the remediated windblown tailings area in southeast portion of tract 1.



(33) View to the south of the remediated windblown tailings area in tract 1. Remediated tailings pile is at the right.



(34) Looking west from the remediated windblown tailings area at the covered (remediated) tailings pile (off-site).



(35) View to the northwest from the remediated windblown tailings area. Black Mountain is in the background (off-site).



(36) View to the northeast from the remediated windblown tailings area. Off-site Luna power plant in the background.

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Site Photos
Inspection Date: 11/17/2016
Sheet 6 of 6



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AMARILLO, TEXAS 79118
TEL (806) 353-6123 FAX (806) 353-4132

ATTACHMENT 5



SUSANA MARTINEZ
Governor
JOHN A. SANCHEZ
Lieutenant Governor

NEW MEXICO
ENVIRONMENT DEPARTMENT

Harold Runnels Building
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, New Mexico 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.nmenv.state.nm.us



RYAN FLYNN
Cabinet Secretary
BUTCH TONGATE
Deputy Secretary

June 13, 2014

Gerald Smith, General Partner
GEO SOUTHWEST, LTD
P.O. Box 353
Silverton, TX 97257

RE: Covenant Not to Sue for the Deming Mill Windblown Tailins Site near Deming, New Mexico, VRP Site No. 53043001

Dear Mr. Smith:

The New Mexico Environment Department (NMED) is pleased to provide you with a Covenant Not to Sue for the above referenced site. A future owner of the subject property is also eligible to receive a Covenant not to Sue from NMED, provided it has not contributed to the site contamination, and is not an officer, director, parent, subsidiary, affiliate, partner, managing agent or employee thereof per 20.6.3.600.C NMAC.

If you have any questions, please contact Pam Homer, Program Manager of the Remediation Oversight Section, at (505) 827-2754.

Sincerely,

Erika Schwender, Director
Resource Protection Division

Enclosure: Covenant Not to Sue

cc: Jerry Schoeppner, GWQB
Pam Homer, GWQB
ROS Read File

**NEW MEXICO ENVIRONMENT DEPARTMENT
VOLUNTARY REMEDIATION PROGRAM**

COVENANT NOT TO SUE
Deming Mill Windblown Tailings Site

This Covenant Not to Sue is entered into between the New Mexico Environment Department ("NMED"), an agency of the executive branch of the government of the State of New Mexico, and GEO SOUTHWEST, LTD ("Recipient").

I. RECIPIENT'S REPRESENTATIONS AND WARRANTIES

Recipient represents and warrants:

A. It is the current owner of the real property described in Exhibit 1, attached hereto, which is the same real property to which the Conditional Certificate of Completion for VRP Site No. **53043001**, attached hereto as Exhibit 2, applies.

B. It has reviewed and understands the Voluntary Remediation Agreement and Conditional Certificate of Completion for VRP Site No. **53043001**.

C. It did not contribute to the site contamination that is the subject of Voluntary Remediation Agreement for VRP Site No. **53043001** and has at no time been an officer, director, parent, subsidiary, affiliate, partner, managing agent, or employee of a party who did contribute to the site contamination.

II. RECIPIENT'S OBLIGATIONS

Recipient's obligations are as described within this document and to satisfactorily maintain the requirements described in Exhibit 2.

III. NMED'S COVENANT NOT TO SUE

NMED, pursuant to NMSA § 74-4G-8 and 20 NMAC 6.3.600, hereby covenants not to sue for any direct liability, including future liability for claims based upon the contamination covered by Voluntary Remediation Agreement for VRP Site No. **53043001** and over which NMED has authority. Except as may be provided under federal law or as may be agreed to by a federal government entity, the Covenant Not to Sue shall not release or otherwise apply to claims by the federal government for claims based on federal law. Except as may be agreed to by another department or agency of the state, the Covenant Not to Sue shall not release or otherwise apply to claims of any other office, department, or agency of the State. Except as may be agreed to by a third party, the Covenant Not to Sue shall not release or otherwise affect a person's liability to third parties. This Covenant Not to Sue shall remain in effect unless and until NMED issues a Notice of Rescission in accordance with NMSA § 74-4G-9, 20 NMAC 6.3.700, and Section V, below.

IV. TRANSFER OF COVENANT NOT TO SUE

This Covenant Not to Sue is assignable to and assumable by a New Purchaser of title to the real property described in Exhibit 1, provided that the New Purchaser executes and delivers to NMED a statement in which the New Purchaser:

- A. Represents and warrants to NMED that it:
 - 1. Is the new purchaser of the real property described in Exhibit 1, attached hereto;
 - 2. Has reviewed and understands the Voluntary Remediation Agreement and Conditional Certificate of Completion for VRP Site No. **53043001**;
 - 3. Did not contribute to the site contamination that is the subject of Voluntary Remediation Agreement for VRP Site No. **53043001** and has not been an officer, director, parent, subsidiary, affiliate, partner, managing agent, or employee of a party who did contribute to the site contamination; and
- B. States that it assumes and agrees to comply with Recipient's obligations set forth in Section II of this Covenant Not to Sue.

Following such transfer of this Covenant Not to Sue, the New Purchaser shall be required to comply with Recipient's obligation's set forth in Section II of this Covenant Not to Sue. NMED's Covenant Not to Sue shall remain in effect unless and until NMED issues a Notice of Rescission in accordance with NMSA § 74-4G-9, 20 NMAC 6.3.700, and Section V, below.

V. RESCISSION OF COVENANT NOT TO SUE

A. Grounds for Rescission

NMED may rescind this Covenant Not to Sue if NMED, in its sole discretion, determines that:

- 1. Based on reasonable evidence, contamination addressed in the Voluntary Remediation Agreement still poses, following remediation, an unreasonable threat to human health or the environment, or that the performance standard described in 20 NMAC 6.3.10 has not been met;
- 2. The Voluntary Remediation Agreement was performed in a manner that fails to comply substantially with the terms and conditions of the Agreement or Voluntary Remediation Work Plan;
- 3. Any monitoring requirements, engineering controls, remediation systems, post-closure care, or affirmation of future non-residential land use upon which the final remedy is dependent are not being implemented satisfactorily;

4. The Voluntary Remediation Agreement is the result of fraud;
5. Contamination was present at the site at the time the Voluntary Remediation Agreement was signed or the Voluntary Remediation Agreement was approved, but the Department was not properly informed of the type, extent or magnitude of the contaminants;
6. One or more of the representations and warranties set forth in Section I or Section IV, above, was false, misleading, or incomplete when made;
7. The Recipient or any transferee has failed to comply with Recipient's obligations described in Section II, above, to NMED's satisfaction.

B. Procedure for Rescission

NMED shall issue a Notice of Rescission by mailing a Notice by certified mail, return-receipt requested, to the last known address of the Recipient, and if applicable, to any transferee of this Covenant Not to Sue. The Notice shall state NMED's basis for Rescission.

C. Effect of Notice of Rescission

A Notice of Rescission shall be effective on the date it is issued by NMED. The Notice of Rescission shall render this Covenant Not to Sue void as of the date of its issue. Following issuance of a Notice of Rescission, NMED may pursue administrative or judicial enforcement actions or other claims based on the contamination that was the subject of this Covenant Not to Sue.

VI. RESERVATION OF RIGHTS

NMED expressly reserves the right to take any action, including any enforcement action, to address any contamination not covered by the Voluntary Remediation Agreement, including any release of a contaminant that occurs after issuance of the Conditional Certificate of Completion, or any release of a contaminant not covered by the Voluntary Remediation Agreement. The Covenant Not to Sue shall not apply to any such release.

VII. APPLICABLE LAW

This Covenant Not to Sue shall be governed by and construed in accordance with the laws of the State of New Mexico.

VIII. COMPLETE AGREEMENT

This Covenant Not to Sue contains the entire agreement of the Parties.

IX. AMENDMENT

This Covenant Not to Sue may be amended only by a writing signed by both parties. Notwithstanding this section, this Covenant may be transferred through transferee's execution and delivery of a Statement to NMED as described in Section IV, above.

X. AUTHORITY TO SIGN

The persons signing below represent and warrant that they have authority to bind the party on whose behalf they are signing this Covenant Not to Sue.

XI. EFFECTIVE DATE

This Covenant Not to Sue shall be effective upon execution by both Parties.

GEO SOUTHWEST, LTD

By:



Gerald SMITH, President
Metal Southwest, LLC

(Printed Name, Title)

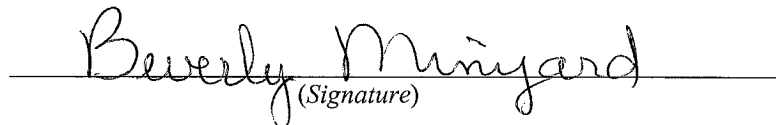
General Partner of Geo Southwest, LTD

STATE OF Texas

COUNTY OF Briscoe

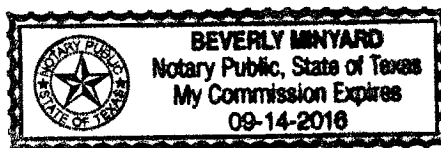
BEFORE ME, on this 2 day of June, 2014, personally appeared Gerald Smith, known to me to be the person and agent of said entity whose name is subscribed to the foregoing instrument, and he/she acknowledged to me that he/she executed the same for the purposes and in the capacity therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 2 day of June, 2014.



Notary Public in and for the State of Texas

My commission expires 9-14-16
(SEAL)



NEW MEXICO ENVIRONMENT DEPARTMENT

By: E. Schwender
Erika Schwender, Director
Resource Protection Division

STATE OF NEW MEXICO
COUNTY OF SANTA FE

BEFORE ME, on this 16th day of June 2014, personally appeared
Erika Schwender, known to me to be the person and agent of said department
whose name is subscribed to the foregoing instrument, and he/she acknowledged to me that
he/she executed the same for the purposes and in the capacity therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 16th day of June,
2014.

Melissa Y. Apocenic
(Signature)

Notary Public in and for the State of New Mexico

My commission expires April 3, 2015
(SEAL)

Attachments: Exhibit 1, Legal Description of Property
Exhibit 2, Conditional Certificate of Completion, VRP Site No. 53043001,
including Exhibit A

Covenant Not to Sue Exhibit 1
GEO SOUTHWEST, LTD

New Mexico Environment Department
Voluntary Remediation Program

Legal Description
Deming Mill Windblown Tailings Site
VRP Site No. 53043001

The Deming Windblown Tailing Site is a 54.43-acre tract, more or less, located in the west half of Section 21, T23S, R9W in Luna County and more particularly described on the attached survey as Site 2.

Survey on next page.

ENTACT

ENVIRONMENTAL EASEMENT SURVEY

A SURVEY TO SET THE EASEMENT CORNERS FOR CERTAIN ENVIRONMENTAL SITES IN PARTS OF SECTIONS 20 AND 21, T23S R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO.

DESCRIPTION SITE 1

A TRACT OF LAND SITUATE IN THE EAST HALF (E1/2) SECTION 20 AND THE WEST HALF (W1/2) OF SECTION 21, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:

BEGINNING AT CORNER NO. 1, WHICH POINT BEARS N9°34'02"E, 2172.01 FEET FROM THE SW CORNER OF SAID SECTION 21; THENCE N52°20'33"E, 461.01 FEET TO CORNER NO. 2; THENCE N25°06'42"W, 169.14 FEET TO CORNER NO. 3; THENCE N55°23'34"E, 226.95 FEET TO CORNER NO. 4; THENCE N34°53'47"W, 395.41 FEET TO CORNER NO. 5; THENCE N69°37'48"W, 106.84 FEET TO CORNER NO. 6; THENCE N18°59'43"E, 382.21 FEET TO CORNER NO. 7; THENCE N64°30'38"E, 1210.96 FEET TO CORNER NO. 8; THENCE S72°44'52"E, 90.67 FEET TO CORNER NO. 9; THENCE S25°35'53"E, 547.54 FEET TO CORNER NO. 10; THENCE N7°32'19"E, 31.96 FEET TO CORNER NO. 11; THENCE S88°56'53"E, 777.45 FEET TO CORNER NO. 12; THENCE S88°56'53"E, 777.45 FEET TO CORNER NO. 13; THENCE S50°44'47"W, 777.45 FEET TO CORNER NO. 14; THENCE S78°1'24"E, 496.74 FEET TO THE POINT OF BEGINNING. THIS SITE CONTAINS 50.33 ACRES MORE OR LESS.

DESCRIPTION SITE 2

A TRACT OF LAND SITUATE IN THE WEST HALF (W $\frac{1}{2}$) OF SECTION 21, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT CORNER NO. 1 WHICH POINT BEARS N38 $^{\circ}$ 16'53"W. 2490.98 FEET FROM

BELGRADE, CO. CORNER OF SAID HIGHWAY 21; THENCE S79°19'13"N, 87.39 FEET TO CORNER NO. 2; THENCE N81°45'24"N, 112.87 FEET TO CORNER NO. 3; THENCE S59°26'43"W, 82.79 FEET TO CORNER NO. 4; THENCE N18°41'27'06"W, 133.11 FEET TO CORNER NO. 5; THENCE N17°45'37"E, 84.99 FEET TO CORNER NO. 6; THENCE N87°25'30"E, 71.78 FEET TO CORNER NO. 7; THENCE N48°44'39"E, 302.48 FEET TO CORNER NO. 8; THENCE N12°09'16"W, 266.55 FEET TO CORNER NO. 9; THENCE N23°45'41"W, 51.28 FEET TO CORNER NO. 10; THENCE N72°20'30"W, 597.08 FEET TO CORNER NO. 11; THENCE N33°26'21"W, 276.60 FEET TO CORNER NO. 12; THENCE N39°10'53"E, 156.51 FEET TO CORNER NO. 13; THENCE N53°16'45"E, 153.56 FEET TO CORNER NO. 14; THENCE S3°00'16"E, 138.78 FEET TO CORNER NO. 15; THENCE N83°55'02"E, 648.03 FEET TO CORNER NO. 16; THENCE S81°11'53"W, 15.62 FEET TO CORNER NO. 17; THENCE S4°73'00"E, 533.81 FEET TO CORNER NO. 18; THENCE S71°17'08"E, 9.50 FEET TO CORNER NO. 19; THENCE S27°17'44"E, 817.00 FEET TO CORNER NO. 20; THENCE S21°32'44"E, 465.71 FEET TO CORNER NO. 2; THENCE S01°34'53"W, 122.94 FEET TO CORNER NO. 22; THENCE S76°09'16"W, 388.49 FEET TO CORNER NO. 23; THENCE S63°15'50"W, 669.53 FEET TO CORNER NO. 24; THENCE S50°39'50"W, 774.53 FEET TO THE POINT OF BEGINNING. THIS SITE CONTAINS 54.43 ACRES MORE OR LESS.

DESCRIPTION SITE 3

A TRACT OF LAND SITUATE IN THE EAST HALF (E1/2) SECTION 20 AND THE WEST HALF (W1/2) OF SECTION 21, T23S, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:

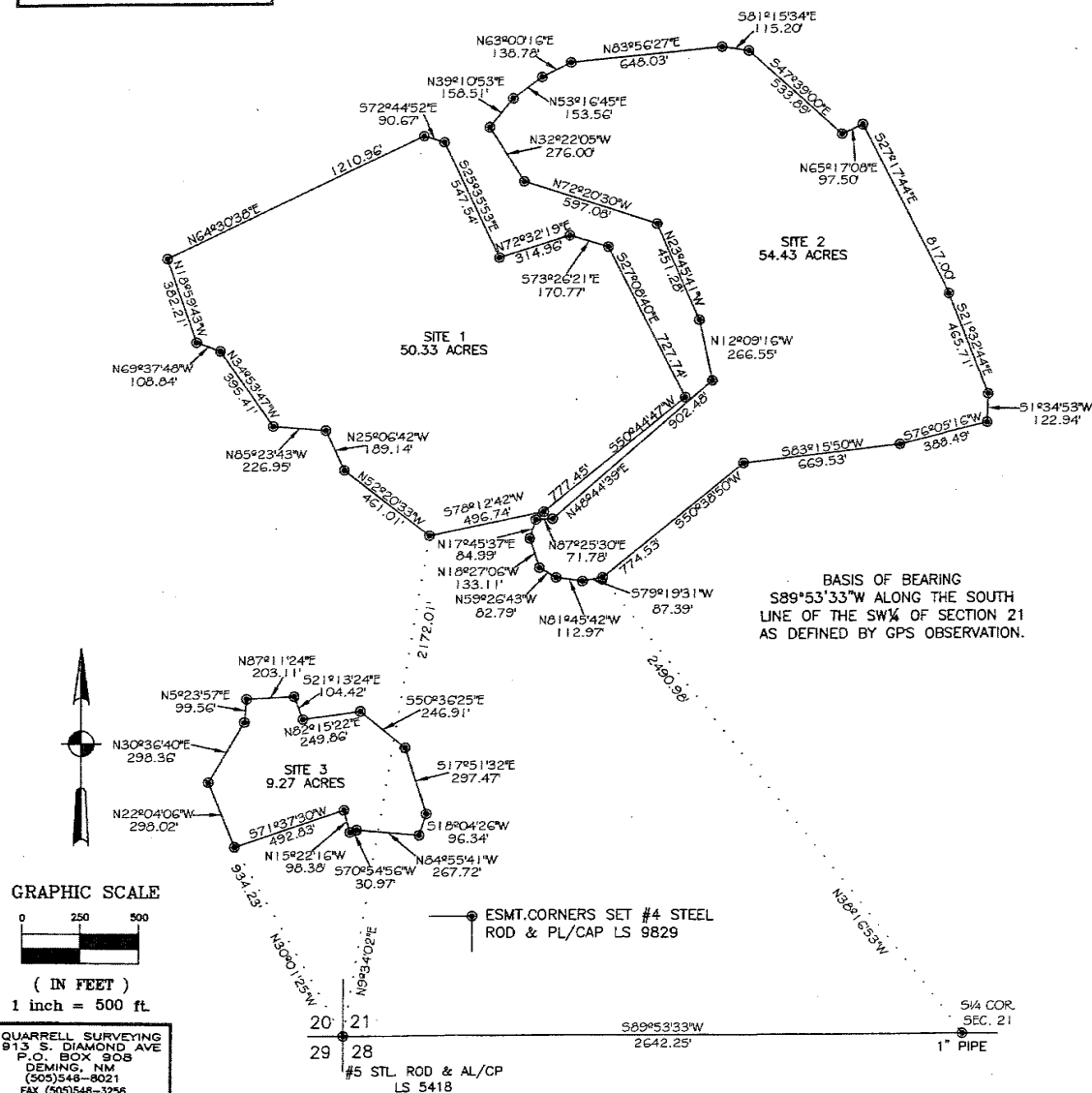
BEGINNING AT CORNER NO. 1, WHICH POINT BEARS N20°01'25"W, 934.23 FEET FROM THE SW CORNER OF SAID SECTION 21; THENCE N22°04'06"W, 298.02 FEET TO CORNER NO. 2; THENCE N30°36'40"E, 298.36 FEET TO CORNER NO. 3; THENCE N05°23'57"E, 99.56 FEET TO CORNER NO. 4; THENCE N57°11'24"E, 203.11 FEET TO CORNER NO. 5; THENCE S21°13'24"E, 104.42 FEET TO CORNER NO. 6; THENCE N82°15'22"E, 249.66 FEET TO CORNER NO. 7; THENCE S50°36'25"E, 246.91 FEET TO CORNER NO. 8; THENCE S17°15'13"E, 297.47 FEET TO CORNER NO. 9; THENCE S18°04'26"W, 96.34 FEET TO CORNER NO. 10; THENCE N04°55'41"W, 267.72 FEET TO CORNER NO. 11; THENCE S70°05'45"E, 30.91 FEET TO CORNER NO. 12; THENCE S17°15'13"E, 297.47 FEET TO CORNER NO. 13; THENCE S71°33'30"W, 492.63 FEET TO THE POINT OF BEGINNING, THIS SITE CONTAINS 9.27 ACRES MORE OR LESS.

CERTIFICATION

Deming, Luna County, New Mexico. October 23rd, 2008
I, Frank L. Quarrell, New Mexico Professional Surveyor No. 9829 do hereby certify that this Boundary Survey Plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision, that this survey meets the Minimum Standards for Surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief.

Professional Land Surveyor

9829



Covenant Not to Sue Exhibit 2
GEO SOUTHWEST, LTD

New Mexico Environment Department
Voluntary Remediation Program

Copy of Certificate of Completion
Deming Mill Windblown Tailings Site
VRP Site No. 53043001

**STATE OF NEW MEXICO ENVIRONMENT DEPARTMENT
VOLUNTARY REMEDIATION PROGRAM**

CONDITIONAL CERTIFICATE OF COMPLETION

Pursuant to NMSA 1978, §74-4G-1, *et seq.*, the Voluntary Remediation Act, and the Voluntary Remediation Regulations (20.6.3 NMAC), the New Mexico Environment Department has determined that the participant, ASARCO Multi-State Custodial Trust, has successfully complied with the Voluntary Remediation Agreement and that site conditions meet applicable standards for the **Asarco Deming Mill Windblown Tailings Site, VRP Site No. 53043001**, as of **February 6, 2009** for the tract of land and for the environmental conditions described in Exhibit A, attached hereto.

This Conditional Certificate of Completion remains valid only if the following requirement(s) of post-completion monitoring, engineering controls, remediation systems, post-closure care, and/or affirmation of future non-residential use are satisfactorily implemented and maintained:

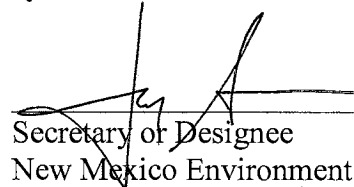
- 1. The future land use shall be restricted to non-residential use.*

A restrictive deed covenant, approved by the New Mexico Environment Department (NMED), shall be recorded at the County Clerk's office in which the property is located. A copy of the filed restrictive covenant shall be returned to NMED.

A purchaser of the site who did not contribute to the site contamination covered by the Voluntary Remediation Agreement is entitled to obtain a Covenant Not to Sue from the New Mexico Environment Department pursuant to §74-4G-8 NMSA 1978, which Covenant shall be conditioned on satisfactory maintenance of the requirement(s) described above.

Attachment: Exhibit A, Legal Description and Environmental Conditions

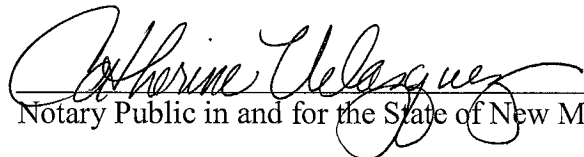
EXECUTED this 7th day of January, 2014


Secretary or Designee
New Mexico Environment Department

STATE OF NEW MEXICO
COUNTY OF SANTA FE

BEFORE ME, on this 7th day of January, personally appeared Jerry Schoeppner, known to me to be the person and agent of said department whose name is subscribed to the foregoing instrument, and he acknowledged to me that he executed the same for the purposes and in the capacity therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 7 day of January, 2014.


Notary Public in and for the State of New Mexico

My commission expires: 12-05-15

**Conditional Certificate of Completion Exhibit A
Legal Description and Environmental Conditions**

New Mexico Environment Department
Voluntary Remediation Program

ASARCO - Deming Mill Windblown Tailing Site
VRP Site No. 53043001

I. Legal Description

The ASARCO Deming Mill Windblown Tailing Site is a 54.43-acre tract, more or less, located in the west half of Section 21, T23S, R9W in Luna County and more particularly described on the attached survey as Site 2.

(Survey on next page)

II. Environmental Conditions

Mill tailings and soils contaminated by metals were removed from the site and placed in the tailings impoundment on the adjacent site. Residual arsenic concentrations met site-specific risk-based levels for industrial/commercial soils. Residual concentrations of other metals met New Mexico Environment Department Soil Screening Levels for residential soils. Impacts to ground water are not expected at the site, based on ground water monitoring near the tailings impoundment on the adjacent site.

These environmental conditions are further described in the following documents:

Entact Environmental Services. 2009. *Design compliance Certification for the ASARCO Deming Tailings Impoundment and Windblown Tailings Closure Project*. February 6.

Arcadis. 2005. *Deming Mill Windblown Tailings Voluntary Remediation Report, VRP Site No. 53043001, prepared for ASARCO, Inc.* August 22.

Arcadis. 2005. *Deming Mill Windblown Tailings Voluntary Remediation Work Plan, VRP Site No. 53043001, prepared for ASARCO, Inc.* March 24.

ENTACT

ENVIRONMENTAL EASEMENT SURVEY

A SURVEY TO SET THE EASEMENT CORNERS FOR CERTAIN ENVIRONMENTAL SITES IN PARTS OF SECTIONS 20 AND 21, T235 R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO.

DESCRIPTION SITE 1

A TRACT OF LAND SITUATE IN THE EAST HALF (E½) SECTION 20 AND THE WEST HALF (W½) OF SECTION 21, T235, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:

BEGINNING AT CORNER NO. 1, WHICH POINT BEARS N09°34'02"E, 2172.01 FEET FROM THE SW CORNER OF SAID SECTION 21; THENCE N52°20'33"W, 461.01 FEET TO CORNER NO. 2; THENCE N25°06'42"W, 169.14 FEET TO CORNER NO. 3; THENCE N85°23'43"W, 226.95 FEET TO CORNER NO. 4; THENCE N34°53'47"W, 395.41 FEET TO CORNER NO. 5; THENCE N69°37'48"W, 108.84 FEET TO CORNER NO. 6; THENCE N18°59'43"W, 382.21 FEET TO CORNER NO. 7; THENCE N64°30'50"E, 1210.96 FEET TO CORNER NO. 8; THENCE S72°44'52"E, 90.67 FEET TO CORNER NO. 9; THENCE S25°35'53"E, 547.54 FEET TO CORNER NO. 10; THENCE N72°32'19"E, 314.96 FEET TO CORNER NO. 11; THENCE S73°26'21"E, 170.77 FEET TO CORNER NO. 12; THENCE S27°08'40"E, 727.74 FEET TO CORNER NO. 13; THENCE S50°44'47"W, 777.45 FEET TO CORNER NO. 14; THENCE S78°12'42"W, 496.74 FEET TO THE POINT OF BEGINNING. THIS SITE CONTAINS 50.33 ACRES MORE OR LESS.

DESCRIPTION SITE 2

A TRACT OF LAND SITUATE IN THE WEST HALF (W½) OF SECTION 21, T235, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:

BEGINNING AT CORNER NO. 1, WHICH POINT BEARS N38°16'53"W, 2490.99 FEET FROM THE SW CORNER OF SAID SECTION 21; THENCE S79°19'31"W, 87.39 FEET TO CORNER NO. 2; THENCE N81°45'42"W, 112.97 FEET TO CORNER NO. 3; THENCE N59°26'43"W, 82.79 FEET TO CORNER NO. 4; THENCE N18°27'06"W, 133.11 FEET TO CORNER NO. 5; THENCE N17°45'37"E, 84.99 FEET TO CORNER NO. 6; THENCE N87°25'30"E, 71.78 FEET TO CORNER NO. 7; THENCE N43°44'39"E, 902.48 FEET TO CORNER NO. 8; THENCE N12°09'16"W, 266.55 FEET TO CORNER NO. 9; THENCE N23°45'41"W, 451.28 FEET TO CORNER NO. 10; THENCE N72°20'30"W, 597.08 FEET TO CORNER NO. 11; THENCE N73°26'21"W, 276.00 FEET TO CORNER NO. 12; THENCE N39°10'53"E, 158.51 FEET TO CORNER NO. 13; THENCE N53°16'45"E, 153.56 FEET TO CORNER NO. 14; THENCE S3°00'16"E, 138.78 FEET TO CORNER NO. 15; THENCE N83°55'56"E, 648.03 FEET TO CORNER NO. 16; THENCE S81°15'34"E, 115.2 FEET TO CORNER NO. 17; THENCE S47°39'00"E, 533.89 FEET TO CORNER NO. 18; THENCE N65°17'08"E, 97.50 FEET TO CORNER NO. 19; THENCE S27°17'44"E, 817.00 FEET TO CORNER NO. 20; THENCE S21°32'44"E, 465.71 FEET TO CORNER NO. 21; THENCE S01°34'53"W, 122.94 FEET TO CORNER NO. 22; THENCE S76°05'16"W, 388.49 FEET TO CORNER NO. 23; THENCE S83°15'50"W, 669.53 FEET TO CORNER NO. 24; THENCE S50°38'50"W, 774.53 FEET TO THE POINT OF BEGINNING. THIS SITE CONTAINS 54.43 ACRES MORE OR LESS.

DESCRIPTION SITE 3

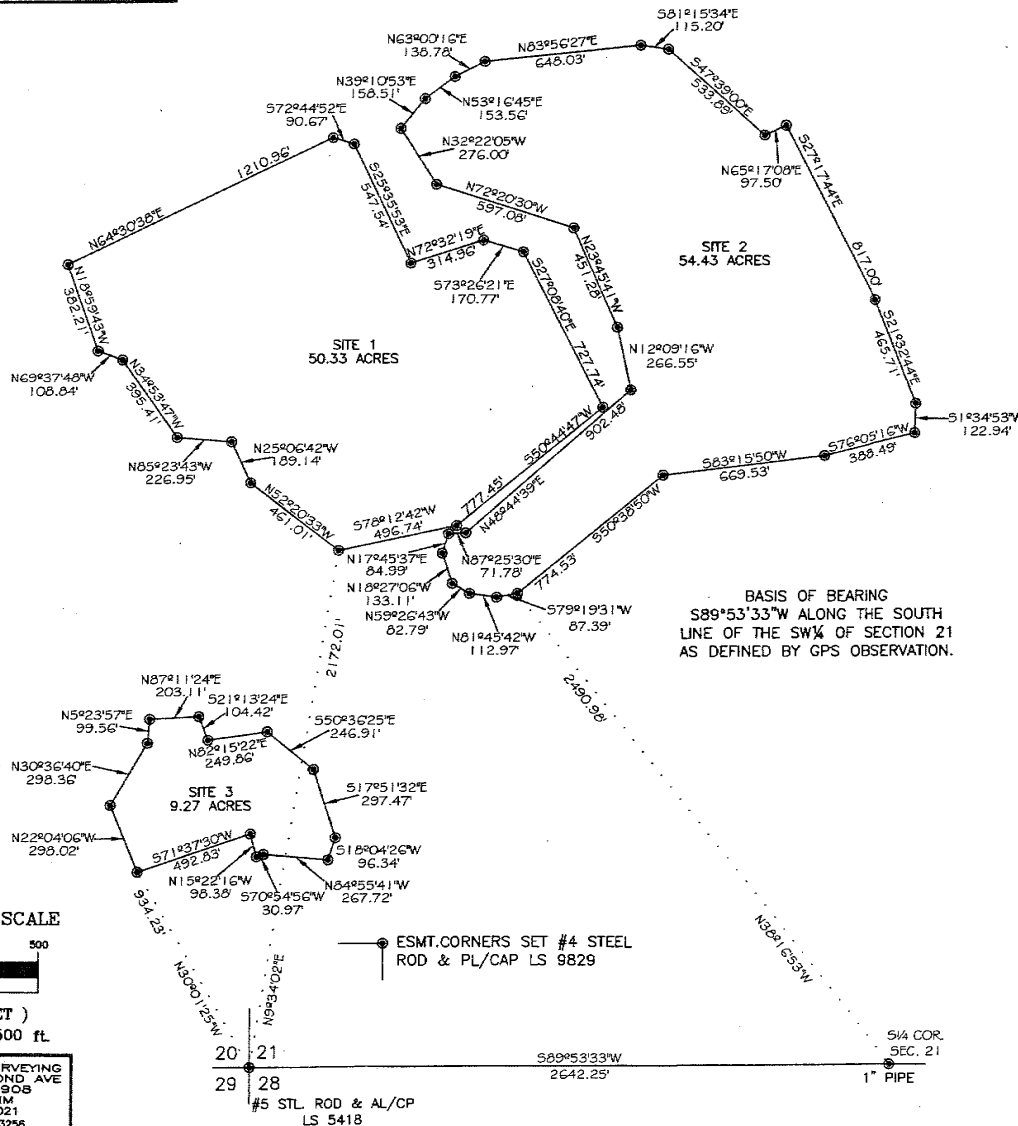
A TRACT OF LAND SITUATE IN THE EAST HALF (E½) SECTION 20 AND THE WEST HALF (W½) OF SECTION 21, T235, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:

BEGINNING AT CORNER NO. 1, WHICH POINT BEARS N30°01'25"W, 934.23 FEET FROM THE SW CORNER OF SAID SECTION 21; THENCE N22°04'06"W, 298.02 FEET TO CORNER NO. 2; THENCE N30°36'40"E, 298.36 FEET TO CORNER NO. 3; THENCE N05°23'57"E, 99.56 FEET TO CORNER NO. 4; THENCE N87°11'24"E, 203.11 FEET TO CORNER NO. 5; THENCE S21°13'24"E, 104.42 FEET TO CORNER NO. 6; THENCE N82°15'22"E, 249.86 FEET TO CORNER NO. 7; THENCE S50°36'25"E, 246.91 FEET TO CORNER NO. 8; THENCE S17°51'32"E, 297.47 FEET TO CORNER NO. 9; THENCE S18°04'26"W, 96.34 FEET TO CORNER NO. 10; THENCE N84°55'41"W, 267.72 FEET TO CORNER NO. 11; THENCE S70°54'56"W, 30.97 FEET TO CORNER NO. 12; THENCE N15°22'16"W, 98.38 FEET TO CORNER NO. 13; THENCE S71°37'30"W, 492.83 FEET TO THE POINT OF BEGINNING. THIS SITE CONTAINS 9.27 ACRES MORE OR LESS.

CERTIFICATION

Deming, Luna County, New Mexico. October 23rd, 2008
I, Frank L. Quarrell, New Mexico Professional Surveyor No. 9829 do hereby certify that this Boundary Survey Plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision, that this survey meets the Minimum Standards for Surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief.

Frank L. Quarrell
Professional Land Surveyor 9829



QUARRELL SURVEYING
913 S. DIAMOND AVE
P.O. BOX 908
DEMING, NM
(505)548-8021
FAX (505)548-3256



NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau



SUSANA MARTINEZ
Governor
JOHN A. SANCHEZ
Lieutenant Governor

Harold Runnels Building
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, New Mexico 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.nmenv.state.nm.us

RYAN FLYNN
Cabinet Secretary-Designate
BUTCH TONGATE
Deputy Secretary

October 21, 2013

Jay A. Steinberg
ASARCO Multi-State Custodial Trust
35 East Wacker Drive, Suite 1550
Chicago, IL 60601

**RE: Approval of the Voluntary Remediation Completion Report for the ASARCO-
Deming Mill Windblown Tailings Site near Deming, NM, VRP Site No. 53043001**

Dear Mr. Steinberg:

The New Mexico Environment Department (NMED) received the affidavit of completion for the above referenced site on October 14, 2013, and hereby approves the Voluntary Remediation Completion Report, *Design Compliance Certification for the ASARCO Deming Tailings Impoundment and Windblown Tailings Closure Project, dated February 6, 2009*, pursuant to Section 20.6.3.500 NMAC of the Voluntary Remediation Regulations.

NMED will provide closure documents for this site under separate cover. If you have any questions or concerns, please contact Pam Homer, VRP Project Manager, at (505) 827-2242 or pamela.homer@state.nm.us.

Sincerely,

Jerry Schoeppner, Chief
Ground Water Quality Bureau

cc: Tanya C. O'Neill, Foley & Lardner LLP, toneill@foley.com
David Heinze, PE, ENVIRON, dheinze@environcorp.com
Dale Doremus, Program Manager, ROS
Pam Homer, Project Manager, ROS-VRP
VRP Chrono File

DESIGN COMPLIANCE CERTIFICATION

for the

**ASARCO DEMING TAILINGS IMPOUNDMENT and
WINDBLOWN TAILINGS CLOSURE PROJECT**

at the

**ASARCO DEMING TAILINGS IMPOUNDMENT
2050 PERU MILL ROAD
DEMING, NEW MEXICO 88030**

FEBRUARY 6, 2009

TABLE OF CONTENTS

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2.0 SUMMARY OF CLOSURE DOCUMENTATION	2
2.1 Excavation and Placement Volumes	2
2.2 XRF Field Screening	2
2.3 Laboratory Analytical Results	3
2.4 Seed Certification	3
2.5 Survey Drawings and Legal Descriptions	3
2.6 South of Mimbres River, East of Plant Area Investigation	4

LIST OF ATTACHMENTS

Attachment 1	XRF Screening Logbook
Attachment 2	Laboratory Analytical Reports and Sample Location Figures
Attachment 3	Seed Certifications
Attachment 4	Survey Drawings and Legal Descriptions
Attachment 5	South of Mimbres River, East of Plant Area Investigation Summary Report

1.0 INTRODUCTION

This Design Compliance Certification has been prepared by ENTACT Services LLC (ENTACT) for Asarco, LLC for the remedial activities completed at the Deming Tailings Impoundment and Windblown Tailings Closure Project located in Deming, New Mexico. This Design Compliance Certification has been developed to certify remedial construction compliance with the approved remedial design. Specifically, this certification includes copies of the documentation used to demonstrate compliance with the design, i.e. XRF Field Screening Journal, laboratory analytical results and reports, seed certifications, and survey drawings and legal descriptions.

2.0 SUMMARY OF CLOSURE DOCUMENTATION

This Design Compliance Certification document has been prepared for the closure activities conducted at the Deming Tailings Impoundment in Deming, New Mexico. The supporting documentation in this document is provided to satisfy Bid Item C-13 of the "Fixed Price" Construction or Repairs Contract for the Deming Mill Tailings Impoundment and Windblown Tailings Closure. The following sections further describe the supporting documentation for each of the required documents.

2.1 Excavation and Placement Volumes

Excavation of the windblown tailings was performed pursuant to Section 4.4 of the Construction Quality Control Plan. Approximately 207,646 cubic yards of windblown tailings were removed from the delineated area and placed on the existing tailings impoundment. An additional 15,991 cubic yards of impacted soil was excavated from the investigated area located to the south of the Mimbres River, east of the existing plant area and north of the existing and recently reclaimed Phelps Dodge tailing facility. The excavated windblown tailings and impacted soils from these areas were placed in the existing tailings impoundment north of the Mimbres River, on Asarco property, and graded to the elevations shown on the design drawings (see Drawing 2 of Attachment 4). A 30-inch cover system consisting of 24 inches of fines and 6 inches of gravel (approximately 200,394 cubic yards of cover material) was then installed on the existing tailings impoundment pursuant to the design drawings and the Construction Quality Control Plan (see also Drawing 3 of Attachment 4). The cover materials were obtained from Asarco's identified borrow areas located to the north of the existing tailings impoundment. The berm surrounding the existing tailings impoundment was repaired where needed and a new berm was constructed between the windblown tailings areas and the Mimbres River, per the design drawings, for the purpose of stormwater control. Approximately 12,475 cubic yards of material from the borrow source was used in the construction of the berms. Rip rap outfalls were installed on the existing tailings impoundment per the design drawings (see Drawing 3 of Attachment 4). Approximately 2,390.85 tons of rip rap was placed in the areas indicated on the design drawings.

Operation and maintenance activities were performed on the existing tailings impoundment in September and October 2008 to repair erosion damage resulting from a large storm event. These activities included the repair of the north and south outfall channels, repair of erosion along the southwestern slope areas, regrading of the top southwestern/western edge of the impoundment to direct drainage away from the eroded areas, and reseeded of the disturbed areas (see Drawing 5 of Attachment 4).

2.2 XRF Field Screening

X-ray fluorescence (XRF) field screening was conducted in accordance with the approved Construction Quality Control Plan. As indicated in Section 5.3 of the Construction Quality Control Plan, the Area of Concern (AOC) was separated into 250-foot by 250-foot grid cells. Each grid cell was then divided into four, 125-foot by 125-foot quadrants with one sample collected from the bottom of the excavation of each quadrant. Each of the four quadrant samples were composited and the composite sample was screened with the XRF instrument for total arsenic and lead. The XRF results were then compared to the RA Performance Standards, which are identified below:

ANALYTE	DEMING CLEANUP CONCENTRATION (MG/KG)
Arsenic	70
Lead	1,000

The excavation was directed by visual confirmation of the colored tailings removal down to native soils. When each grid was excavated to native soil, the XRF screening samples were collected. The XRF screenings were collected in order to demonstrate that the RA Performance Standards were met.

XRF readings were recorded in the XRF Screening Logbook in accordance with the sample identification system set forth in the Construction Quality Control Plan. A Technical Memorandum was issued following a correlation study conducted to evaluate the degree of correlation between the Niton XRF field screening results and the NELAP-accredited laboratory results for total lead and arsenic. A copy of this memorandum is presented as the first page of the XRF Screening Logbook. The XRF Screening Logbook is provided as Attachment 1.

2.3 Laboratory Analytical Results

Confirmatory soil samples were collected and submitted to a laboratory for analysis at the 15 sample locations in the windblown tailings area and the 4 sample locations in the south of the Mimbres River area, as identified by Asarco's consultant, Arcadis. The confirmatory samples were collected as grab samples from these surveyed locations and submitted to the laboratory for analysis of total lead and arsenic. The analytical results indicate that the cleanup concentrations, 70 mg/kg arsenic and 1,000 mg/kg lead, were achieved at all of the sample locations. Specifically, arsenic concentrations in all of the samples were below 30 mg/kg with the majority of the sample concentrations at non-detect. Detections ranged from 3.26 mg/kg to 29.5 mg/kg. Lead concentrations in all of the samples were below 213 mg/kg with the majority of the sample concentrations below 20 mg/kg. Detections ranged from 4.04 to 213 mg/kg. The analytical results for the samples collected are presented in Table 1 and the laboratory analytical reports are included in Attachment 2. The locations of the samples submitted for laboratory analysis are depicted on Figure 1 in Attachment 2.

2.4 Seed Certification

Seed certifications were presented by the seeding contractor when the seeding occurred at the project site in Deming, New Mexico. The certifications were compared to the requirements presented in the design documents and the certifications were acceptable. Seed certifications for the seed that was utilized are provided as Attachment 3.

2.5 Survey Drawings and Legal Descriptions

Survey drawings were developed during the project to document the pre-existing conditions of the site, the post-consolidation subgrade contours which depict the actual excavated limits of the AOC and area south of the Mimbres River, the final grade contours of the borrow area and impoundment, and cross

sections of the final grade contours. These drawings were prepared by ENTACT and a New Mexico licensed professional land surveyor and are included as Attachment 4.

Legal descriptions for the Tailings Area, Windblown Tailings Removal Area and South of Mimbres River Removal Area were prepared by a New Mexico licensed professional land surveyor and are included in Attachment 4.

2.6 South of Mimbres River, East of Plant Area Investigation

A limited investigation was performed by ENTACT on September 19-20, 2007 in an area located to the south of the Mimbres River, east of the existing plant area and north of the existing and recently reclaimed Phelps Dodge tailing facility. Thirty surface soil samples were collected from the area of concern at a depth of 0 to 6 inches below ground surface and additional samples were collected at depth from select locations for XRF field screening. Four of these samples were submitted for laboratory analysis of total lead and arsenic to confirm the XRF field screening results. The laboratory results were generally consistent with the XRF field screening results. The results of the investigation are presented in the summary report included as Attachment 5.

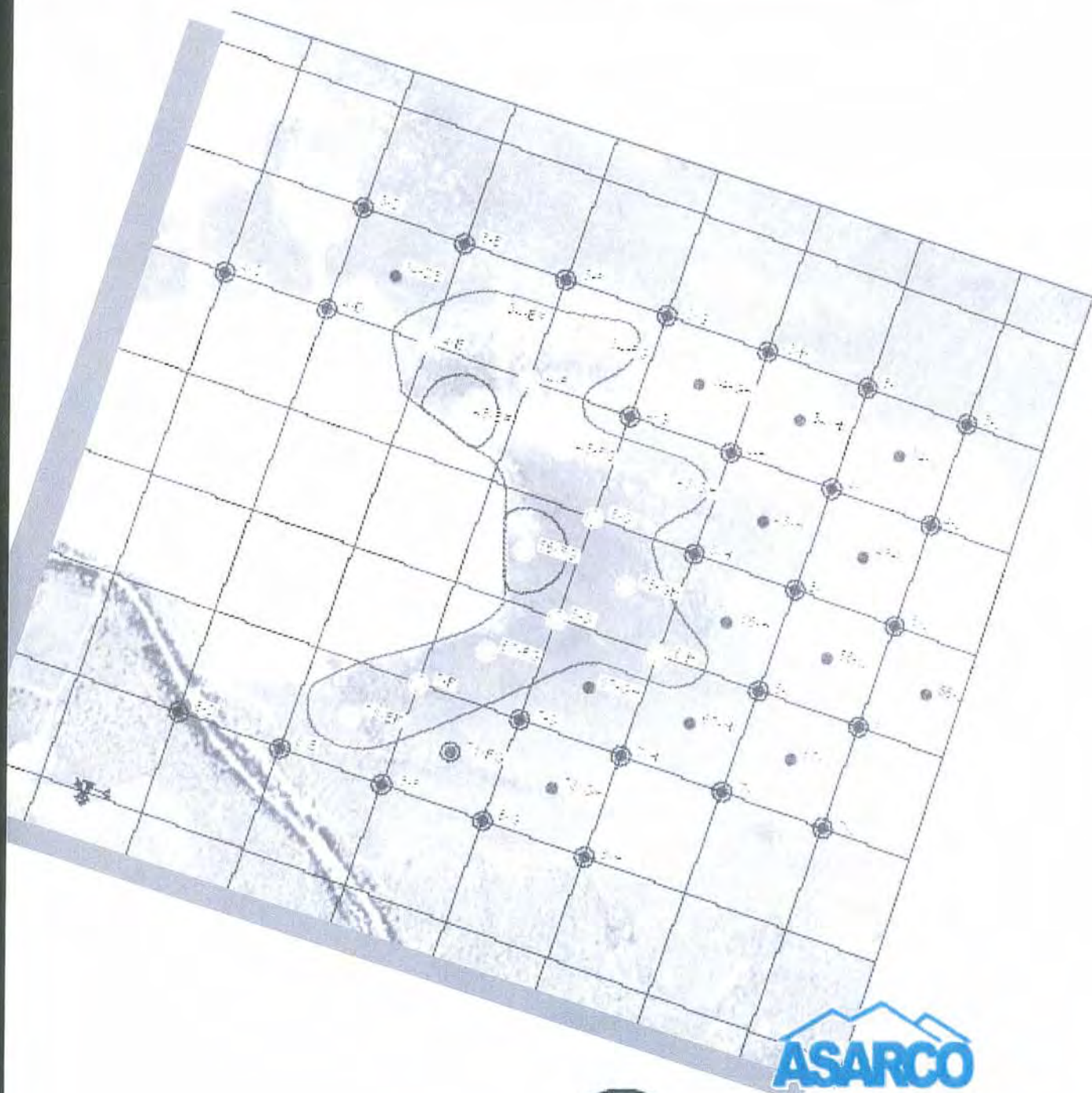
**ATTACHMENT 1
XRF SCREENING LOGBOOK**

XRF Screening Logbook

Field Screening using the NITON XL 700
Series X-Ray Fluorescence Analyzer

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ASARCO



ENTACT

ENTACT & Associates, LLC
1010 Executive Ct., Suite 280
Westmont, Illinois 60559
(630) 986-2900
(630) 986-0653 (fax)



Technical Memorandum

Deming Mill Tailings Impoundment Closure

Date: August 17, 2007
To: Rick Shean, New Mexico Environment Department
By: Michael M. Carlson
Subject: XRF Correlation Results

On July 12, 2007 ENTACT collected 20 soil samples across the Wind-Blown Tailings Area (WBTA) for the purpose of conducting a correlation study. The intent of this study was to evaluate the degree of correlation between Niton® X-ray Fluorescence (XRF) screening instrument readings and NELAP-accredited laboratory results for the contaminants of concern at Site, which are lead and arsenic.

Soil samples were collected insitu at various depths and locations across the WBTA. Special emphasis was placed on obtaining native alluvium beneath the yellow-stained tailings and black sands along with soil mixtures (i.e. native alluvium/yellow-stained tailings or native alluvium/black sands), as this is the likely composition of material that will be field-screened with an XRF once the visible tailings and/or black sands are excavated.

Soil samples were collected with a stainless steel trowel, placed into one gallon plastic baggies, and stored in an iced-cooler to await XRF screening. Soil samples were identified by the following sample nomenclature:

XRF-sample #-jar-sample depth (ft).

Therefore, if the second XRF sample was collected from 1.5 feet below grade surface (bgs), the sample ID would be: XRF-2-jar-1.5'.

Once all soil samples were collected, they were homogenized thoroughly in the plastic bag and screened with an XRF instrument. Three XRF readings were performed on each bagged soil sample and then averaged. The XRF was placed directly on the plastic bag at different locations for each test. Lead and arsenic concentrations were then recorded in a field log book. Once the soil for a particular sample was screened with the XRF, the soil was placed directly into a laboratory provided 4 oz sample jar. The soil samples were then placed into an iced-cooler and shipped under Chain of Custody to the laboratory for analysis.

Once laboratory analytical results were received, the XRF field screening and laboratory data for both lead and arsenic was tabulated into two spreadsheets. Please see the attached Excel spreadsheets for a complete summary of all XRF, laboratory, and correlation study results.

Once the XRF and laboratory data was tabulated by analyte, a Pearson coefficient was calculated based upon the relationship between the XRF and laboratory data sets. A Pearson coefficient of 1.0 demonstrates that a strong correlation exists between the laboratory and XRF results. Based upon the results of this initial correlation analysis, a **Pearson coefficient of 0.99 was calculated for the lead data sets and 0.82 was calculated for the arsenic data sets.** Therefore, it is clear that there is a strong correlation between laboratory and XRF data sets.

Next, a linear regression analysis, incorporating the principles of least squares, was conducted utilizing the XRF and laboratory data sets. Linear equations based upon least squares estimates were developed. These equations represent a straight graphical line that "best fits" the distribution of XRF and laboratory lead and arsenic data sets on an X-Y Scatter-Plot Graph (see spreadsheets for graphs). Data points close to this line demonstrate a strong correlation between data sets. The linear equations derived for lead and arsenic can then be used to interpolate a XRF concentration that equates to an assumed laboratory result. In this case, the assumed laboratory result is the established project remedial objective for either lead or arsenic.

The next step was to further refine the regression analysis by determining a 95% confidence interval for interpolated lead and arsenic XRF concentrations. This established the probable concentration range for the XRF so that a value for lead and arsenic can be relied upon during XRF field screening that will statistically coincide with the assumed laboratory result (project remedial objective).

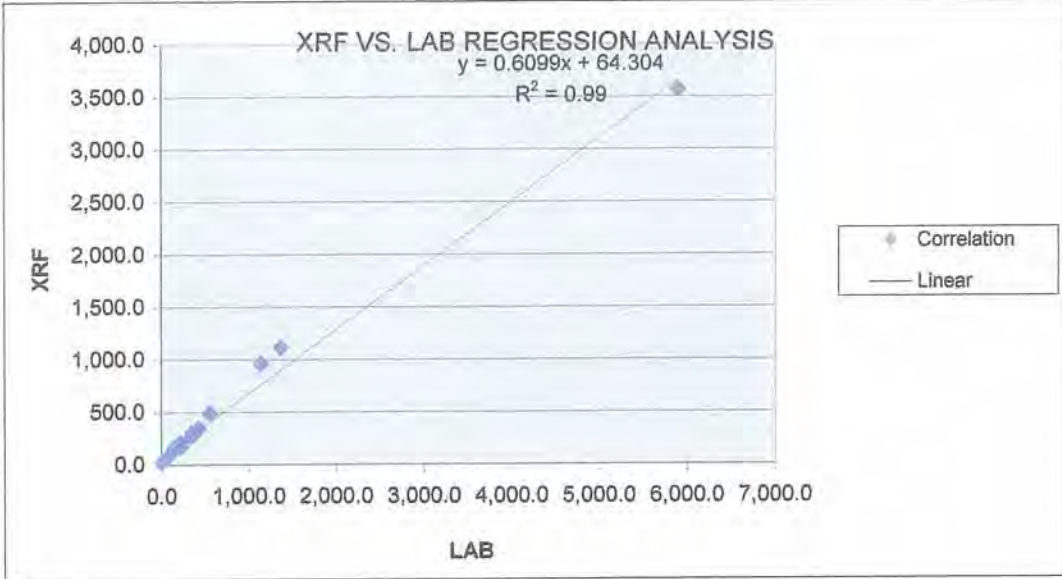
The results of the linear regression analysis are provided on the attached spreadsheets. In summary, the calculated 95% confidence interval for lead was between 504 and 843 mg/Kg (median = 674 mg/Kg) and 29 and 79 mg/Kg for arsenic (median = 54mg/Kg). Therefore based upon the correlation study data sets, ENTACT is 95% confident that if the laboratory determines a lead concentration of 1,000 mg/Kg for a given soil sample, then the XRF will read around 675 mg/Kg. Conversely, ENTACT is 95% confident that if the laboratory obtains an arsenic concentration of 70 mg/Kg for a given soil sample, then the XRF will read around 50 mg/Kg.

In summary, ENTACT will establish **675 mg/Kg for lead** and **50 mg/Kg for arsenic** as the project XRF screening standards during remedial activities at the Deming Mill Impoundment Closure project.

Table_1
XRF Correlation to Laboratory Data for Lead
Deming Mill Impoundment Closure, Deming, New Mexico

Sample ID	All Data (mg/Kg)		Calculated Relative Percent Difference	Identified Outliers	Adjusted Data Set with Outliers Removed	
	Lab Pb Data (X)	XRF Pb Result (Y)			XRF Pb Data	Lab Pb Result
XRF-1-JAR-1.0'	11.5	26.8	80.00%			
XRF-2-JAR-0.25'	342.0	269.0	23.90%			
XRF-3-JAR-1.0'	75.4	72.4	4.01%			
XRF-4-JAR-0.25'	1,140.0	960.3	17.11%			
XRF-5-JAR-1.0'	18.3	25.9	34.26%			
XRF-6-JAR-1.5'	5,900.0	3,566.7	49.30%			
XRF-7-JAR-0.25'	1,370.0	1,113.3	20.67%			
XRF-8-JAR-1.0'	228.0	171.0	28.57%			
XRF-9-JAR-1.25'	33.9	39.5	15.26%			
XRF-10-JAR-1.0'	355.0	303.3	15.70%			
XRF-11-JAR-1.0'	557.0	489.0	13.00%			
XRF-12-JAR-1.0'	226.0	209.0	7.82%			
XRF-13-JAR-1.25'	16.8	22.9	30.73%			
XRF-14-JAR-1.5'	8.1	20.1	85.75%			
XRF-15-JAR-1.0'	150.0	165.0	9.52%			
XRF-16-JAR-1.0'	105.0	105.0	0.00%			
XRF-17-JAR-1.0'	435.0	348.7	22.03%			
XRF-18-JAR-1.5'	9.1	19.3	72.21%			
XRF-19-JAR-0.25'	58.6	64.8	10.10%			
XRF-20-JAR-0.25'	51.1	57.7	12.19%			

Skewness 1.39
Pearson's Co-Efficient 0.99
#DIV/0! Correlation factor w/outliers
Correlation factor w/o outliers less than 50 (mg/Kg)



Computations for least squares line, SSE, and residuals

X (Lab)	Y (XRF)	X^2	Y^2	XY	least squares estimate of mx+b	Residual e
11.50	26.83	132.25	720.03	308.58	71.32	-44.48
342.00	269.00	116,964.00	72,361.00	91,998.00	272.88	-3.88
75.40	72.43	5,685.16	5,246.59	5,461.47	110.29	-37.85
1,140.00	960.33	1,299,600.00	922,240.11	1,094,780.00	759.55	200.79
18.30	25.87	334.89	669.08	473.36	75.46	-49.60
5,900.00	3,566.67	34,810,000.00	12,721,111.11	21,043,333.33	3,662.48	-95.82
1,370.00	1,113.33	1,876,900.00	1,239,511.11	1,525,266.67	899.81	213.52
228.00	171.00	51,984.00	29,241.00	38,988.00	203.35	-32.35
33.90	39.50	1,149.21	1,560.25	1,339.05	84.98	-45.48
355.00	303.33	126,025.00	92,011.11	107,683.33	280.80	22.53
557.00	489.00	310,249.00	239,121.00	272,373.00	404.00	85.00
226.00	209.00	51,076.00	43,681.00	47,234.00	202.13	6.87
16.80	22.90	282.24	524.41	384.72	74.55	-51.65
8.05	20.13	64.80	405.35	162.07	69.21	-49.08
150.00	165.00	22,500.00	27,225.00	24,750.00	155.78	9.22
105.00	105.00	11,025.00	11,025.00	11,025.00	128.34	-23.34
435.00	348.67	189,225.00	121,568.44	151,670.00	329.59	19.07
9.06	19.30	82.08	372.49	174.86	69.83	-50.53
58.60	64.83	3,433.96	4,203.36	3,799.23	100.04	-35.21
51.10	57.73	2,611.21	3,333.14	2,950.17	95.47	-37.73
Totals =	11,090.7	8,049.9	38879323.81	15536130.59	24424154.86	0.00
Mean =	554.5	402.5				
Red =	outliers					

least squares estimate of $m = m = S_{xy}/S_{xx}$
least squares estimate of $b = \text{mean } y \text{ less least squares estimate of } m \text{ multiplied by mean } x$

$S_{xx} = 32729131.4$
 $S_{yy} = 12296112.9$
 $S_{xy} = 19960218$
least squares estimate of $m = 0.60986092$
least squares estimate of $b = 64.3038058$
Sum of Squares due to Error = 123156.093
Estimate of Variance = 6842.00517
Estimated Regression Line = $y = 0.609x + 64.30$
 $y = 674.164721 = \text{Calculated XRF Screening Concentration No.}$
Standard Error = 78.4589361

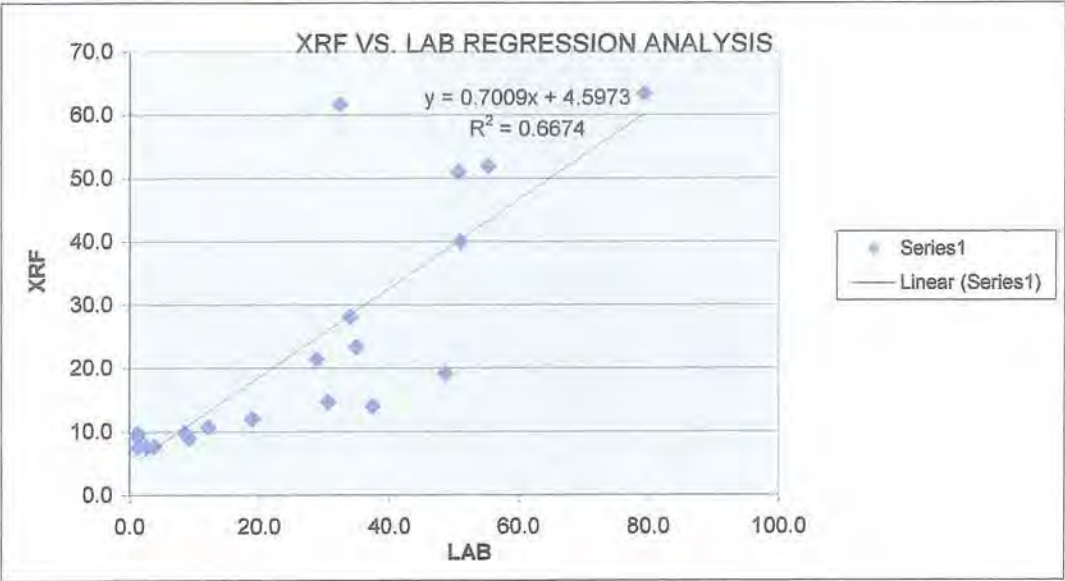
t distribution for 95% confidence interval with 18 degrees of freedom = 2.101
169.399995 - +
95% confidence interval = (504,843) 504.7647262 843.5647157

Table _2
XRF Correlation to Laboratory Data for Arsenic
Deming Mill Impoundment Closure, Deming, New Mexico

Sample ID	All Data (mg/Kg)		Calculated Relative Percent Difference	Identified Outliers	Adjusted Data Set with Outliers Removed	
	Lab As Data (X)	XRF As Result (Y)			XRF Pb Data	Lab Pb Result
XRF-1-JAR-1.0'	1.3	9.7	154.20%			
XRF-2-JAR-0.25'	34.9	23.3	39.86%			
XRF-3-JAR-1.0'	12.2	10.7	13.41%			
XRF-4-JAR-0.25'	50.6	51.0	0.79%			
XRF-5-JAR-1.0'	1.3	7.5	140.91%			
XRF-6-JAR-1.5'	32.2	61.7	62.78%			
XRF-7-JAR-0.25'	79.3	63.4	22.34%			
XRF-8-JAR-1.0'	28.8	21.4	29.63%			
XRF-9-JAR-1.25'	33.9	28.1	18.71%			
XRF-10-JAR-1.0'	48.6	19.2	86.87%			
XRF-11-JAR-1.0'	55.2	51.9	6.16%			
XRF-12-JAR-1.0'	50.9	40.0	23.98%			
XRF-13-JAR-1.25'	3.9	7.7	66.05%			
XRF-14-JAR-1.5'	1.3	9.2	150.15%			
XRF-15-JAR-1.0'	37.4	14.0	90.96%			
XRF-16-JAR-1.0'	18.9	12.0	44.66%			
XRF-17-JAR-1.0'	30.5	14.7	70.11%			
XRF-18-JAR-1.5'	2.6	7.5	96.20%			
XRF-19-JAR-0.25'	8.6	9.8	13.04%			
XRF-20-JAR-0.25'	9.2	9.0	2.63%			

Skewness 0.82
Pearson's Co-Efficient 0.82
#DIV/0! Correlation factor w/outliers
Correlation factor w/o outliers less than 50 (mg/Kg)

= HALF THE REPORTING THE LIMIT



Computations for least squares line, SSE, and residuals

X (Lab)	Y (XRF)	X^2	Y^2	XY	least squares estimate of mx+b	Residual e
1.25	9.67	1.56	93.44	12.08	5.47	4.19
34.90	23.30	1,218.01	542.89	813.17	29.06	-5.76
12.20	10.67	148.84	113.78	130.13	13.15	-2.48
50.60	51.00	2,560.36	2,601.00	2,580.60	40.06	10.94
1.30	7.50	1.69	56.25	9.75	5.51	1.99
32.20	61.67	1,036.84	3,802.78	1,985.67	27.17	34.50
79.30	63.37	6,288.49	4,015.33	5,024.98	60.18	3.19
28.80	21.37	829.44	456.53	615.36	24.78	-3.42
33.90	28.10	1,149.21	789.61	952.59	28.36	-0.26
48.60	19.17	2,361.96	367.36	931.50	38.66	-19.49
55.20	51.90	3,047.04	2,693.61	2,864.88	43.29	8.61
50.90	40.00	2,590.81	1,600.00	2,036.00	40.27	-0.27
3.86	7.67	14.90	58.78	29.59	7.30	0.36
1.31	9.17	1.70	84.03	11.96	5.51	3.65
37.40	14.02	1,398.76	196.47	524.22	30.81	-16.79
18.90	12.00	357.21	144.00	226.80	17.84	-5.84
30.50	14.67	930.25	215.11	447.33	25.97	-11.31
2.64	7.53	6.97	56.75	19.89	6.45	1.09
8.60	9.80	73.96	96.04	84.28	10.63	-0.83
9.24	9.00	85.38	81.00	83.16	11.07	-2.07
Totals =	541.6	471.6	24103.38233	18064.76472	19383.9505	0.00
Mean =	27.1	23.6				
Red = outliers						

least squares estimate of $m = m = S_{xy}/S_{xx}$
least squares estimate of $b = \text{mean } y \text{ less least squares estimate of } m \text{ multiplied by mean } x$

$S_{xx} = 9437.12512$
 $S_{yy} = 6946.7946$
 $S_{xy} = 6614.49439$
least squares estimate of $m = 0.70090142$
least squares estimate of $b = 4.59726481$
Sum of Squares due to Error = 2310.6861
Estimate of Variance = 128.37145
Estimated Regression Line = $y = 0.700x + 4.597$
 $y = 53.6603641 = \text{Calculated XRF Screening Concentration No.}$
Standard Error = 10.6552478

t distribution for 95% confidence interval with 18 degrees of freedom = 2.101
24.9809845 - +
95% confidence interval = (29,79) 28.67937962 78.64134861

ENTACT

XRF Instrument Make & Model:

0.11-0.004

AXRF ID:	DEPTH	Pb	+/-	AS	+/-
Read # 167 Cal	n/a	1060	74	148	66
Read # 168 CFS-41	surface (is)	34.2	14	2	n/a
Read # 169 CFS-37	surface (is)	102	20	28	n/a
Read # 170 CFS-42	surface (is)	48.1	16	23	n/a

NW	SW
----	----

GRID NUMBER

NOTES

Reading's 168 taken @ 10:50 am.

Reading 0 169 taken @ 11:00 am

18 170 taken @ 11:07 am

Readings taken @ 40 nominal sec



Project Name & #: ASARCO-Deming D7006
 Date of Screening: 8-28-07
 Location: Deming, NM
 Field Project Manager: B. Hays
 Sample/Screening Taken By: A. Micael
 XRF Instrument Make & Model: NITON XL 700

AVERAGE XRF RESULT FROM 4 QUADS

[illegible]

GRID NUMBER _____

NW	NE
SW	NW

NOTES

Weather: 80° F; clear

Reading # 180-void/operator malfunction

ENTACT

XRF Instrument Make & Model:

Wilton XL 700

[illegible]

GRID NUMBER _____

NE	NW
NW	SW

NOTES

Weather: 85°F, clear

ENTACT

[illegible]

GRID NUMBER _____

NE	NW
NW	SW

NOTES

Weather: Clear 85°F

Reading 073 void - operator error

ENTACT

Agro Deming

9-25-07

Dennis, NM

13. Hay 5

A. microgaster

Nitro XL 500

XRF ID:	DEPTH	Pb	+/-	As	+/-
289: Calibrate	N/A	1170	77	ND	98
290: CFS-1	1'	ND	29	ND	28
291: CFS-10	1'	ND	27	ND	25
292: CFS-6	1'	44.1	31	ND	28
294: CFS-9	2'	72.3	25	ND	33
295: CFS-13	2'	ND	30	ND	32
296: CFS-49	1'	59.3	22	ND	30
297: CFS-3	1'	ND	30	ND	28
298: CFS-8	1'	36.7	20	ND	30
299: CFS-12	1'	ND	27	ND	26
300: CFS-14	2'	ND	23	ND	25
301: CFS-5	1'	ND	25	ND	27
302: CFS-2	1'	53.4	24	ND	35
303: CFS-4	VOTD	183	39	VOTD	-
304: CFS-4	1'	222	29	ND	41
305: CFS-11	1'	ND	31	ND	27
306: CFS-7	1'	ND	27	ND	31

GRID NUMBER

NE

SW

W

NOTES

Weather: clear 75° F

Reading	293	VOTD - operator	Instrument error

~~Reading~~ 303 VOTD - operator / instrument error

ENTACT

XRF Instrument Make & Model:

Niton XL 700

[illegible]

GRID NUMBER _____

NE	NW
NW	SW

NOTES

Weather: Partly cloudy - 75°F

XRF Screening Hot Spots east of AOC to determine if remediation is necessary
BG: background screening

XRF-FIELD SCREENING LOG



Project Name & #: Asarco-Denmy / D7006
 Date of Screening: 10-4-07
 Location: Denmy, NM
 Field Project Manager: B. Hays
 Sample/Screening Taken By: A. McConary
 XRF Instrument Make & Model: Niton XL 700

AVERAGE XRF RESULT FROM 4 QUADS					
XRF ID:	DEPTH	Pb	+/-	As	+/-
20: Calibrat	n/a	1060	75	ND	98
21: TOI 54	Surface	176	45	ND	63
22: TOI 43	Surface	660	93	ND	120
23: TOI 23	Surface	360	79	ND	110
24: TOI 24	Surface	370	50	ND	66
25: TOI 44	Surface	566	65	ND	87
26: HS-12-1	Surface	481	54	ND	74
27: HS-13-1	Surface	414	44	ND	61
28: HS-14-1	Surface	486	52	ND	70
29: HS-15-1	Surface	411	49	ND	66
30: HS-16-1	Surface	457	47	ND	63
31: HS-17-1	Surface	607	53	ND	73
32: HS-18-1	Surface	674	55	84.7	50
33: HS-19-1	Surface	787	74	ND	96
34: HS-19-2	2" BGS	416	45	ND	62
35: HS-20-1	Surface	365	43	ND	59
36: HS-21-1	Surface	520	53	ND	71
37: HS-22-1	Surface	708	61	ND	82
38: HS-23-1	Surface	253	36	ND	52
39: HS-24-1	Surface	460	47	73.9	43
40: HS-25-1	Surface	349	41	ND	56
41: HS-26-1	Surface	332	37	ND	49
42: HS-27-1	Surface	478	49	ND	68
43: HS-28-1	Surface	169	27	ND	37
44: HS-29-1	Surface	390	45	ND	58

NW		NE
SW		NW

GRID NUMBER _____

NOTES

Weather: Clear 75°F

Screening Hot Spots east of AOC

* TOI = Top of Impoundment

HS - Hot Spot

ENTACT

Asarco Deming / D7000

16-4-57

Dealing with

214

THE ACCIDENT

12.11.2019

GRID NUMBER

[illegible]

NW	NE
SW	NW

Wpływ: 750 F

1005 $H_2 = 141 = 54$

Collecting Hot Spot Screenings
Screening Post Excavation

ENTACT

[illegible]

NW	NE
SW	NW

xRF screening the samples that were sent to the lab. The Arcadis confirmation points.

XRF-FIELD SCREENING LOG



Project Name & #: ASARCO - Deming
 Date of Screening: 10-17-07
 Location: Deming, NM
 Field Project Manager: R. HAYCOCK
 Sample/Screening Taken By: A. MILLER
 XRF Instrument Make & Model: NITON XL700

AVERAGE XRF RESULT FROM 4 QUADS					
XRF ID:	DEPTH	Pb	+/-	As	+/-
66: Calibrate	N/A	1070	73	118	64
87: 1A	-	112	28	ND	37
88: 2A	-	231	40	ND	58
83: 3A	-	39.5	21	ND	31
70: 4A	-	282	43	ND	57
72: 5A	-	267	39	ND	54
86: 1B	-	174	40	ND	62
79: 2B	-	282	42	ND	59
90: 3B	-	322	47	77.9	45
78: 4B	-	191	35	ND	50
69: 5B	-	212	39	ND	55
81: 1C	-	246	38	ND	51
84: 2C	-	326	47	ND	66
75: 3C	-	137	24	ND	34
73: 4C	-	230	78	ND	56
68: 5C	-	205	35	ND	47
89: 1D	-	137	30	ND	44
71: 2D	-	120	25	ND	34
77: 3D	-	138	29	ND	40
74: 4D	-	249	40	ND	55
85: 5D	-	137	31	ND	46
80: 1E	-	95	29	ND	45
91: 2E	-	132	30	ND	44
67: 3E	-	89.6	26	45.4	29
76: 4E	-	225	38	ND	53
82: 5E	-	93.9	26	ND	38

5E	5D	5C	5B	5A
4E	4D	4C	4B	4A
3E	3D	3C	3B	3A
2E	2D	2C	2B	2A
1E	1D	1C	1B	1A

NOTES

Weather: Clear, High Winds; 70°F
 Measured a 200' x 200' grid east of AOC.
 Subdivided grid into 25 40' grids.
 Sample taken from center of 40' grid O-2" below ground surface.

**ATTACHMENT 2
LABORATORY ANALYTICAL REPORTS AND
SAMPLE LOCATION FIGURES**

TABLE 1: CONFIRMATORY SOIL SAMPLE RESULTS
ASARCO DEMING TAILINGS IMPOUNDMENT
DEMING, NEW MEXICO

Sample Date	Sample ID No.	Sample Location	Laboratory Report No.	Silver (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Cobalt (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Iron (mg/kg)	Mercury (mg/kg)	Manganese (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
Cleanup Criteria				70										1000	
08/23/07	78EF/Confirm1	Windblown Tailings Area	BQI0045	<2.77	<2.77	93.3	<0.555	4.38	7.95	8.88	12,200	<0.0178	236	12.3	44.1
08/23/07	7F/Confirm1	Windblown Tailings Area	BQI0045	<2.88	<2.88	112	<0.576	4.95	8.57	9.64	12,600	<0.0184	423	7.58	38.7
08/23/07	67FG/Confirm1	Windblown Tailings Area	BQI0045	<3.24	<3.24	98.6	<0.649	5.37	7.28	12.2	11,900	<0.0189	1,130	11.8	235
09/04/07	6H/Confirm1	Windblown Tailings Area	BQI0045	<3.13	<3.13	92.6	<0.625	3.74	6.39	5.43	10,300	<0.02	168	5.38	21.3
09/23/07	6G/Confirm1	Windblown Tailings Area	BQI0213	<1.07	<2.67	93.4	<0.535	8.44	6.64	50.3	10,300	<0.0147	649	6.33	224
09/23/07	56FG/Confirm1	Windblown Tailings Area	BQI0213	<1.07	<2.68	88.1	<0.536	4.39	7.34	71.4	11,300	<0.0153	342	6.12	194
09/23/07	56GH/Confirm1	Windblown Tailings Area	BQI0213	<1.07	<2.68	107	<0.537	9.22	7.97	79.7	12,200	<0.0172	851	11.4	306
09/23/07	5G/Confirm1	Windblown Tailings Area	BQI0213	<1.07	<2.68	77.1	<0.536	6.3	5.99	14.7	11,300	<0.0172	749	4.78	276
09/23/07	45EF/Confirm1	Windblown Tailings Area	BQI0213	<1.1	6.53	87.4	0.554	4.97	7.75	33.6	14,600	<0.0176	828	31.2	266
09/23/07	45FG/Confirm1	Windblown Tailings Area	BQI0213	<1.3	10.2	81.9	<0.652	3.28	7.35	57.6	12,600	<0.0177	200	6.16	101
09/23/07	4E/Confirm1	Windblown Tailings Area	BQI0213	<1.06	<2.64	87	<0.528	3.65	7.16	5.61	11,100	<0.0169	193	5.77	42.5
09/23/07	45GH/Confirm1	Windblown Tailings Area	BQI0213	<1.19	<2.98	137	<0.597	7.62	11.7	16	18,400	<0.0191	447	17.9	62.1
09/23/07	34EF/Confirm1	Windblown Tailings Area	BQI0213	<1.06	9.86	82.7	<0.532	4.33	7.72	64.2	13,600	<0.017	384	5.72	148
09/23/07	34FG/Confirm1	Windblown Tailings Area	BQI0213	<1.08	3.47	94.6	1.04	4.89	7.95	16.4	14,400	<0.0172	728	26.9	308
09/23/07	56GH/Confirm1	Windblown Tailings Area	BQI0215	<1.09	29.5	87.4	0.728	4.37	7.22	66.4	28,800	0.0177	538	213	267
09/23/07	45FG/Confirm1	Windblown Tailings Area	BQI0215	<1.07	<2.68	100	<0.536	9.51	7.18	74.7	10,900	<0.0171	927	9.86	302
09/23/07	21/Confirm1	Windblown Tailings Area	BQI0215	<1.06	12.5	78.3	1.38	7.2	6.26	112	22,100	<0.017	1,580	121	455
11/07/07	3/Confirm1	South of Mimbrres River Area	BQK0075	<1.03	<2.58	84.6	<0.515	6.46	7.18	NA	11,900	<0.0165	449	14.9	238
11/07/07	25/Confirm1	South of Mimbrres River Area	BQK0075	<1.03	<2.58	95.9	<0.517	4.21	8.9	NA	12,500	<0.0165	393	13.9	158
11/07/07	26/Confirm1	South of Mimbrres River Area	BQK0075	<1.03	3.26	73.5	2.16	5.55	7.55	NA	15,700	<0.0164	945	56.8	654
11/07/07		South of Mimbrres River Area	BQK0075	<1.03	<2.57	52.1	1.16	3.87	4.21	NA	9,700	<0.0144	423	4.04	438



LEGEND

- REMOVAL AREA BOUNDARIES
- 3 POST-EXCAVATION LABORATORY SAMPLE LOCATIONS
- 250' x 250' GRID SYSTEM

1. THE INFORMATION PRESENTED HEREIN IS CONFIDENTIAL IN NATURE AND IS NOT TO BE REPRODUCED OR RE-USED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF ENTACT.
2. AS-BUILT TOPOGRAPHIC SURVEY DATA PROVIDED BY QUERRELL SURVEYING, DEMING, NM.
3. EXISTING GRADE CONTOUR INFORMATION PROVIDED BY ASARCO.

ENTACT & ASSOCIATES, LLC 1010 EXECUTIVE COURT, SUITE 200 WESTMONT, ILLINOIS 60090 P: 630-330-0237 F: 630-688-0853								DEMING MILL DEMING, NEW MEXICO			
								POST-EXCAVATION LABORATORY SAMPLE LOCATIONS			
DESIGNED BY		JW		5/17/07		CHECKED BY		JW		6/9/08	
DRAWN BY		MMC		6/9/08		APPROVED BY		JW		6/9/08	
SCALE:		HZ=1"=500'		PROJECT NO.		DRAWING NO.		REVISION NO.			
DATE		BY		CHK'D		APR'D		REVISIONS		FIGURE 1	

21 September 2007

Lab ID: BQI0045

Aaron McCorvey
Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

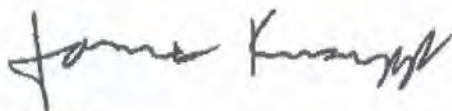
RE: Asarco- Deming

Enclosed are the results of analyses for samples received by the laboratory on 09/07/07. The sample results relate only to the tested analytes of interest and to the sample as received by the laboratory. At the time of analysis, the laboratory was in compliance with current NELAP standards and held accreditation for all analyses performed unless noted by a qualifier. The laboratory's Illinois NELAP accreditation number is 100261.

This report can not be reproduced, except in full, without written approval from the laboratory. If you have any questions concerning this report, please feel free to contact Jim Knapp or Margaret Kniest.

Sincerely,

TestAmerica Analytical Testing Corporation



James Knapp
Laboratory Director



Myra Kunas
Quality Assurance Manager

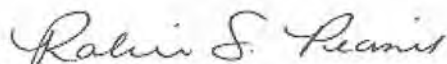
Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorveyLab ID: BQI0045
Reported: 09/21/07 15:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
78EF/Confirm 1	BQI0045-01	Soil	08/23/07 10:30	09/07/07 09:00
7F/Confirm1	BQI0045-02	Soil	08/23/07 10:45	09/07/07 09:00
67FG/Confirm 1	BQI0045-03	Soil	08/23/07 13:30	09/07/07 09:00
6H/Confirm 1	BQI0045-04	Soil	09/04/07 14:00	09/07/07 09:00

Sample Receipt Notes

Please note that the chain of custody (COC) included with this report is considered part of the report. The data user should review any comments or notes made on the COC. Any receipt issues found by the laboratory that are not noted on the COC will be stated below.



Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0045
Reported: 09/21/07 15:03

Total Metals by EPA 6000/7000 Series Methods TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
78EF/Confirm 1 (BQI0045-01) Soil Sampled: 08/23/07 10:30 Received: 09/07/07 09:00									
Silver	ND	2.77	mg/kg dry	1	7090303	09/20/07	09/21/07	EPA 6010B	
Arsenic	ND	2.77	"	"	7090089	09/07/07	09/10/07	"	
Barium	93.3	5.55	"	"	7090303	09/20/07	09/21/07	"	
Cadmium	ND	0.555	"	"	"	"	"	"	
Cobalt	4.38	2.77	"	"	"	"	"	"	
Chromium	7.95	1.11	"	"	"	"	"	"	
Copper	8.88	2.77	"	"	"	"	"	"	
Iron	12200	1410	"	51	"	"	09/21/07	"	QC
Mercury	ND	0.0178	"	1	7090291	09/19/07	09/19/07	EPA 7471A	
Manganese	236	2.77	"	"	7090303	09/20/07	09/21/07	EPA 6010B	QC
Lead	12.3	2.77	"	"	7090089	09/07/07	09/10/07	"	
Zinc	44.1	5.55	"	"	7090303	09/20/07	09/21/07	"	

7F/Confirm1 (BQI0045-02) Soil Sampled: 08/23/07 10:45 Received: 09/07/07 09:00

Silver	ND	2.88	mg/kg dry	1	7090303	09/20/07	09/21/07	EPA 6010B	
Arsenic	ND	2.88	"	"	7090089	09/07/07	09/10/07	"	
Barium	112	5.76	"	"	7090303	09/20/07	09/21/07	"	
Cadmium	ND	0.576	"	"	"	"	"	"	
Cobalt	4.95	2.88	"	"	"	"	"	"	
Chromium	8.57	1.15	"	"	"	"	"	"	
Copper	9.64	2.88	"	"	"	"	"	"	
Iron	12600	1470	"	51	"	"	09/21/07	"	QC
Mercury	ND	0.0184	"	1	7090291	09/19/07	09/19/07	EPA 7471A	
Manganese	423	2.88	"	"	7090303	09/20/07	09/21/07	EPA 6010B	QC
Lead	7.58	2.88	"	"	7090089	09/07/07	09/10/07	"	
Zinc	38.7	5.76	"	"	7090303	09/20/07	09/21/07	"	

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Margaret Kniet

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0045
Reported: 09/21/07 15:03

Total Metals by EPA 6000/7000 Series Methods TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
67FG/Confirm 1 (BQI0045-03) Soil Sampled: 08/23/07 13:30 Received: 09/07/07 09:00									
Silver	ND	3.24	mg/kg dry	1	7090303	09/20/07	09/21/07	EPA 6010B	
Arsenic	ND	3.24	"	"	7090089	09/07/07	09/10/07	"	
Barium	98.6	6.49	"	"	7090303	09/20/07	09/21/07	"	
Cadmium	ND	0.649	"	"	"	"	"	"	
Cobalt	5.37	3.24	"	"	"	"	"	"	
Chromium	7.28	1.30	"	"	"	"	"	"	
Copper	12.2	3.24	"	"	"	"	"	"	
Iron	11900	1650	"	51	"	"	09/21/07	"	QC
Mercury	ND	0.0189	"	1	7090291	09/19/07	09/19/07	EPA 7471A	
Manganese	1130	3.24	"	"	7090303	09/20/07	09/21/07	EPA 6010B	QC
Lead	11.8	3.24	"	"	7090089	09/07/07	09/10/07	"	
Zinc	235	6.49	"	"	7090303	09/20/07	09/21/07	"	

6H/Confirm 1 (BQI0045-04) Soil Sampled: 09/04/07 14:00 Received: 09/07/07 09:00

Silver	ND	3.13	mg/kg dry	1	7090303	09/20/07	09/21/07	EPA 6010B	
Arsenic	ND	3.13	"	"	7090089	09/07/07	09/10/07	"	
Barium	92.6	6.25	"	"	7090303	09/20/07	09/21/07	"	
Cadmium	ND	0.625	"	"	"	"	"	"	
Cobalt	3.74	3.13	"	"	"	"	"	"	
Chromium	6.39	1.25	"	"	"	"	"	"	
Copper	5.43	3.13	"	"	"	"	"	"	
Iron	10300	1590	"	51	"	"	09/21/07	"	QC
Mercury	ND	0.0200	"	1	7090291	09/19/07	09/19/07	EPA 7471A	
Manganese	168	3.13	"	"	7090303	09/20/07	09/21/07	EPA 6010B	QC
Lead	5.38	3.13	"	"	7090089	09/07/07	09/10/07	"	
Zinc	21.3	6.25	"	"	7090303	09/20/07	09/21/07	"	

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Margaret Knies

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0045
Reported: 09/21/07 15:03

Percent Solids TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
78EF/Confirm 1 (BQI0045-01) Soil Sampled: 08/23/07 10:30 Received: 09/07/07 09:00									
% Solids	90.1	1.00	%	1	7090105	09/10/07	09/10/07	SW846 5035	
7F/Confirm1 (BQI0045-02) Soil Sampled: 08/23/07 10:45 Received: 09/07/07 09:00									
% Solids	86.9	1.00	%	1	7090105	09/10/07	09/10/07	SW846 5035	
67FG/Confirm 1 (BQI0045-03) Soil Sampled: 08/23/07 13:30 Received: 09/07/07 09:00									
% Solids	77.1	1.00	%	1	7090105	09/10/07	09/10/07	SW846 5035	
6H/Confirm 1 (BQI0045-04) Soil Sampled: 09/04/07 14:00 Received: 09/07/07 09:00									
% Solids	79.9	1.00	%	1	7090105	09/10/07	09/10/07	SW846 5035	

TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Knies

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0045
Reported: 09/21/07 15:03

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090089 - EPA 3050B

Blank (7090089-BLK1)

Prepared: 09/07/07 Analyzed: 09/10/07

Lead	ND	2.50	mg/kg wet							
Arsenic	ND	2.50	"							

LCS (7090089-BS1)

Prepared: 09/07/07 Analyzed: 09/10/07

Arsenic	19.0	2.50	mg/kg wet	20.0		95.0	80-110			
Lead	39.1	2.50	"	40.0		97.8	85-110			

Matrix Spike (7090089-MS1)

Source: BQI0048-01

Prepared: 09/07/07 Analyzed: 09/10/07

Arsenic	25.7	2.91	mg/kg dry	22.8	6.40	84.8	45-120			
Lead	50.2	2.91	"	45.6	12.8	82.0	45-125			

Matrix Spike Dup (7090089-MSD1)

Source: BQI0048-01

Prepared: 09/07/07 Analyzed: 09/10/07

Arsenic	27.4	2.91	mg/kg dry	24.5	6.40	85.8	45-120	6.26	25	
Lead	51.5	2.91	"	48.9	12.8	79.0	45-125	2.56	30	

Batch 7090291 - EPA 7471A

Blank (7090291-BLK1)

Prepared & Analyzed: 09/19/07

Mercury	ND	0.0160	mg/kg wet							
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LCS (7090291-BS1)

Prepared & Analyzed: 09/19/07

Mercury	0.254	0.0160	mg/kg wet	0.240		106	80-130			
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Matrix Spike (7090291-MS1)

Source: BQI0045-01

Prepared & Analyzed: 09/19/07

Mercury	0.275	0.0178	mg/kg dry	0.266	ND	103	50-150			
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Matrix Spike Dup (7090291-MSD1)

Source: BQI0045-01

Prepared & Analyzed: 09/19/07

Mercury	0.277	0.0178	mg/kg dry	0.266	ND	104	50-150	0.643	20	
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Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0045
Reported: 09/21/07 15:03

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090303 - EPA 3050B

Blank (7090303-BLK1)

Prepared: 09/20/07 Analyzed: 09/21/07

Cobalt	ND	2.50	mg/kg wet
Barium	ND	5.00	"
Zinc	ND	5.00	"
Manganese	ND	2.50	"
Chromium	ND	1.00	"
Iron	ND	25.0	"
Cadmium	ND	0.500	"
Silver	ND	2.50	"
Copper	ND	2.50	"

LCS (7090303-BS1)

Prepared: 09/20/07 Analyzed: 09/21/07

Iron	252	25.0	mg/kg wet	250	101	90-120
Copper	20.0	2.50	"	20.0	100	85-110
Barium	48.6	5.00	"	50.0	97.2	85-110
Zinc	48.8	5.00	"	50.0	97.7	85-110
Silver	18.2	2.50	"	20.0	91.2	80-110
Cobalt	19.5	2.50	"	20.0	97.3	85-110
Chromium	19.6	1.00	"	20.0	98.2	85-110
Cadmium	19.5	0.500	"	20.0	97.5	85-110
Manganese	20.4	2.50	"	20.0	102	90-110

Matrix Spike (7090303-MS1)

Source: BQI0045-01

Prepared: 09/20/07 Analyzed: 09/21/07

Barium	142	5.55	mg/kg dry	55.5	93.3	87.8	40-145
Cadmium	17.8	0.555	"	22.2	ND	80.1	55-110
Cobalt	22.5	2.77	"	22.2	4.38	81.7	55-110
Chromium	26.1	1.11	"	22.2	7.95	81.6	40-135
Copper	27.7	2.77	"	22.2	8.88	84.8	40-145
Iron	12800	1410	"	277	12200	207	75-125
Silver	17.3	2.77	"	22.2	0.0808	77.4	65-110
Zinc	95.4	5.55	"	55.5	44.1	92.6	40-120
Manganese	278	2.77	"	22.2	236	185	75-125

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TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Knies

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0045
Reported: 09/21/07 15:03

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090303 - EPA 3050B

Matrix Spike Dup (7090303-MSD1)

Source: BQI0045-01

Prepared: 09/20/07 Analyzed: 09/21/07

Silver	17.3	2.77	mg/kg dry	22.2	0.0808	77.7	65-110	0.449	25	
Barium	141	5.55	"	55.5	93.3	85.9	40-145	0.745	30	
Cadmium	18.0	0.555	"	22.2	ND	81.1	55-110	1.24	25	
Iron	12600	1410	"	277	12200	152	75-125	1.20	40	H
Zinc	87.9	5.55	"	55.5	44.1	79.1	40-120	8.17	15	
Chromium	26.2	1.11	"	22.2	7.95	82.1	40-135	0.425	20	
Copper	27.1	2.77	"	22.2	8.88	82.1	40-145	2.19	20	
Manganese	260	2.77	"	22.2	236	108	75-125	6.39	40	
Cobalt	22.6	2.77	"	22.2	4.38	82.0	55-110	0.295	20	

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Knies

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0045
Reported: 09/21/07 15:03

Percent Solids - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 7090105 - General Prep									
Blank (7090105-BLK1)					Prepared & Analyzed: 09/10/07				
% Solids	ND	1.00	%						
Blank (7090105-BLK2)					Prepared & Analyzed: 09/10/07				
% Solids	ND	1.00	%						
Duplicate (7090105-DUP1)					Source: BQI0045-01 Prepared & Analyzed: 09/10/07				
% Solids	89.9	1.00	%		90.1		0.229	20	
Duplicate (7090105-DUP2)					Source: BQI0045-02 Prepared & Analyzed: 09/10/07				
% Solids	87.0	1.00	%		86.9		0.180	20	

Contact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQ10045
Reported: 09/21/07 15:03

Notes and Definitions

QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.
^	The laboratory is not NELAP accredited for this analyte by the indicated matrix and method.
^^	The State of Illinois Accrediting Authority does not offer NELAP accreditation for this analyte by the indicated matrix and method.

Note: All analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted by way of a qualifier listed above.

Note: All samples are reported on a wet weight basis unless otherwise noted.

TestAmerica--Buffalo Grove, IL Wisconsin DNR Certification Lab ID: 999917160
TestAmerica--Buffalo Grove, IL NELAP Primary Accreditation: Illinois #100261
TestAmerica--Buffalo Grove, IL NELAP Secondary Accreditation: New Jersey #IL001
TestAmerica--Nashville, TN NELAP Secondary Accreditation: Illinois #200010
TestAmerica--Dayton, OH NELAP Secondary Accreditation: Illinois #200008
TestAmerica--Watertown, WI NELAP Primary Accreditation: Illinois #100453
TestAmerica--Watertown, WI Wisconsin DNR Certification Lab ID: 128053530



CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, Illinois 60089-4505
(847) 808-7766
FAX (847) 808-7772

Client: ENTACT Services		Project Name: Asarco - Deming		TAT (in days): Std (5-7)		DATE RESULTS NEEDED:	
Address: 3129 Bass Pro Drive		Project Number: D-7006		For RUSH requests:			
City/State: Grapevine, TX 76051		PO#: 		Quote ID: 		Lab temp. 50	
Phone #: (630) 935-4454		State & Program: NM		Received at laboratory: <input type="checkbox"/> ambient <input checked="" type="checkbox"/> ice		Client <input type="checkbox"/>	
Fax #: 				Deliverable Package: <input type="checkbox"/> STD <input type="checkbox"/> Other <input checked="" type="checkbox"/> Shipped Fedex			
PM/Report to: Aaron McConvey		SAMPLE MATRIX		TOTAL # OF BOTTLES		ANALYSIS TYPE	
Email: amccorvey@entact.com		TIME COLLECTED		PRESERVATIVE USED		LABORATORY ID NUMBER	
Sampler: A. McConvey		DATE COLLECTED		NONE			
FIELD ID, LOCATION		DATE COLLECTED		HNO ₃			
1 78EF /confirm 1		8/23/07 10:30		H ₂ SO ₄		1 X	
2 7F /confirm 1		8/23/07 10:45		HCl		1 X	
3 67-FG /confirm 1		8/28/07 13:30		NaHSO ₄		1 X	
4 6H /confirm 1		9/14/07 14:00		MeOH		1 X	
5							
6							
7							
8							
9							
10							
RELINQUISHED AS		DATE 9/16/07		RELINQUISHED		DATE 9/17/07	
TIME 0900		TIME 0900		DATE 0900		TIME 0900	
RELINQUISHED		DATE		RELINQUISHED		DATE	
TIME		TIME		DATE		TIME	
COMMENTS: 84999 4369 7032							
PAGE						OF	

01 October 2007

Lab ID: BQI0213

Aaron McCorvey
Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

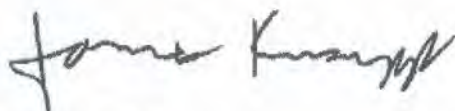
RE: Current Pricelist

Enclosed are the results of analyses for samples received by the laboratory on 09/26/07. The sample results relate only to the tested analytes of interest and to the sample as received by the laboratory. At the time of analysis, the laboratory was in compliance with current NELAP standards and held accreditation for all analyses performed unless noted by a qualifier. The laboratory's Illinois NELAP accreditation number is 100261.

This report can not be reproduced, except in full, without written approval from the laboratory. If you have any questions concerning this report, please feel free to contact Jim Knapp or Margaret Kniest.

Sincerely,

TestAmerica Analytical Testing Corporation



James Knapp
Laboratory Director



Myra Kunas
Quality Assurance Manager

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
6G/Confirm 1	BQI0213-01	Soil	09/23/07 10:00	09/26/07 09:15
56 FG/Confirm 1	BQI0213-02	Soil	09/23/07 10:05	09/26/07 09:15
56 GH/Confirm 1	BQI0213-03	Soil	09/23/07 10:10	09/26/07 09:15
5G/Confirm 1	BQI0213-04	Soil	09/23/07 10:15	09/26/07 09:15
45 EF /Confirm 1	BQI0213-05	Soil	09/23/07 10:20	09/26/07 09:15
45 FG/Confirm 1	BQI0213-06	Soil	09/23/07 10:25	09/26/07 09:15
4E/Confirm 1	BQI0213-07	Soil	09/23/07 10:35	09/26/07 09:15
4F/Confirm 1	BQI0213-08	Soil	09/23/07 10:40	09/26/07 09:15
45GH/Confirm 1	BQI0213-09	Soil	09/23/07 10:30	09/26/07 09:15
34EF/Confirm 1	BQI0213-10	Soil	09/23/07 10:45	09/26/07 09:15

Sample Receipt Notes

Please note that the chain of custody (COC) included with this report is considered part of the report. The data user should review any comments or notes made on the COC. Any receipt issues found by the laboratory that are not noted on the COC will be stated below.

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

Total Metals by EPA 6000/7000 Series Methods TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6G/Confirm 1 (BQI0213-01) Soil Sampled: 09/23/07 10:00 Received: 09/26/07 09:15									
Silver	ND	1.07	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	ND	2.67	"	"	"	"	"	"	
Barium	93.4	5.35	"	"	"	"	"	"	
Cadmium	ND	0.535	"	"	"	"	"	"	
Cobalt	8.44	2.67	"	"	"	"	"	"	
Chromium	6.64	1.07	"	"	"	"	"	"	
Copper	50.3	2.67	"	"	"	"	"	"	
Iron	10300	1360	"	51	"	"	09/28/07	"	QC
Mercury	ND	0.0147	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	649	2.67	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	6.33	2.67	"	"	"	"	"	"	
Zinc	224	5.35	"	"	"	"	"	"	QC

56 FG/Confirm 1 (BQI0213-02) Soil Sampled: 09/23/07 10:05 Received: 09/26/07 09:15

Silver	ND	1.07	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	ND	2.68	"	"	"	"	"	"	
Barium	88.1	5.36	"	"	"	"	"	"	
Cadmium	ND	0.536	"	"	"	"	"	"	
Cobalt	4.39	2.68	"	"	"	"	"	"	
Chromium	7.34	1.07	"	"	"	"	"	"	
Copper	71.4	2.68	"	"	"	"	"	"	
Iron	11300	1370	"	51	"	"	09/28/07	"	QC
Mercury	ND	0.0153	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	342	2.68	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	6.12	2.68	"	"	"	"	"	"	
Zinc	194	5.36	"	"	"	"	"	"	QC

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Jim Knapp

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
56 GH/Confirm 1 (BQI0213-03) Soil Sampled: 09/23/07 10:10 Received: 09/26/07 09:15									
Silver	ND	1.07	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	ND	2.68	"	"	"	"	"	"	
Barium	107	5.37	"	"	"	"	"	"	
Cadmium	ND	0.537	"	"	"	"	"	"	
Cobalt	9.22	2.68	"	"	"	"	"	"	
Chromium	7.97	1.07	"	"	"	"	"	"	
Copper	79.7	2.68	"	"	"	"	"	"	
Iron	12200	1370	"	51	"	"	09/28/07	"	QC
Mercury	ND	0.0172	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	851	2.68	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	11.4	2.68	"	"	"	"	"	"	
Zinc	306	5.37	"	"	"	"	"	"	QC

5G/Confirm 1 (BQI0213-04) Soil Sampled: 09/23/07 10:15 Received: 09/26/07 09:15

Silver	ND	1.07	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	ND	2.68	"	"	"	"	"	"	
Barium	77.1	5.36	"	"	"	"	"	"	
Cadmium	ND	0.536	"	"	"	"	"	"	
Cobalt	6.30	2.68	"	"	"	"	"	"	
Chromium	5.99	1.07	"	"	"	"	"	"	
Copper	14.7	2.68	"	"	"	"	"	"	
Iron	11300	1370	"	51	"	"	09/28/07	"	QC
Mercury	ND	0.0172	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	749	2.68	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	4.78	2.68	"	"	"	"	"	"	
Zinc	276	5.36	"	"	"	"	"	"	QC

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQ10213
Reported: 10/01/07 14:39

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
45 EF / Confirm 1 (BQ10213-05) Soil Sampled: 09/23/07 10:20 Received: 09/26/07 09:15									
Silver	ND	1.10	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	6.53	2.75	"	"	"	"	"	"	
Barium	87.4	5.49	"	"	"	"	"	"	
Cadmium	0.554	0.549	"	"	"	"	"	"	
Cobalt	4.97	2.75	"	"	"	"	"	"	
Chromium	7.75	1.10	"	"	"	"	"	"	
Copper	33.6	2.75	"	"	"	"	"	"	
Iron	14600	577	"	21	"	"	09/28/07	"	QC
Mercury	ND	0.0176	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	828	2.75	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	31.2	2.75	"	"	"	"	"	"	
Zinc	266	5.49	"	"	"	"	"	"	QC

45 FG/Confirm 1 (BQ10213-06) Soil Sampled: 09/23/07 10:25 Received: 09/26/07 09:15									
Silver	ND	1.30	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	10.2	3.26	"	"	"	"	"	"	
Barium	81.9	6.52	"	"	"	"	"	"	
Cadmium	ND	0.652	"	"	"	"	"	"	
Cobalt	3.28	3.26	"	"	"	"	"	"	
Chromium	7.35	1.30	"	"	"	"	"	"	
Copper	57.6	3.26	"	"	"	"	"	"	
Iron	12600	684	"	21	"	"	09/28/07	"	QC
Mercury	ND	0.0177	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	200	3.26	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	6.16	3.26	"	"	"	"	"	"	
Zinc	101	6.52	"	"	"	"	"	"	QC

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Approved by:

Robin S. Promisel

Robin Promisel For Jim Knapp

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4E/Confirm 1 (BQI0213-07) Soil Sampled: 09/23/07 10:35 Received: 09/26/07 09:15									
Silver	ND	1.06	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	ND	2.64	"	"	"	"	"	"	
Barium	87.0	5.28	"	"	"	"	"	"	
Cadmium	ND	0.528	"	"	"	"	"	"	
Cobalt	3.65	2.64	"	"	"	"	"	"	
Chromium	7.16	1.06	"	"	"	"	"	"	
Copper	5.61	2.64	"	"	"	"	"	"	
Iron	11100	555	"	21	"	"	09/28/07	"	QC
Mercury	ND	0.0169	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	193	2.64	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	5.77	2.64	"	"	"	"	"	"	
Zinc	42.5	5.28	"	"	"	"	"	"	QC

4F/Confirm 1 (BQI0213-08) Soil Sampled: 09/23/07 10:40 Received: 09/26/07 09:15

Silver	ND	1.19	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	ND	2.98	"	"	"	"	"	"	
Barium	137	5.97	"	"	"	"	"	"	
Cadmium	ND	0.597	"	"	"	"	"	"	
Cobalt	7.62	2.98	"	"	"	"	"	"	
Chromium	11.7	1.19	"	"	"	"	"	"	
Copper	16.0	2.98	"	"	"	"	"	"	
Iron	18400	627	"	21	"	"	09/28/07	"	QC
Mercury	ND	0.0191	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	447	2.98	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	17.9	2.98	"	"	"	"	"	"	
Zinc	62.1	5.97	"	"	"	"	"	"	QC

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Approved by:

Robin S. Promise

Robin Promise For Jim Knapp

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

Total Metals by EPA 6000/7000 Series Methods TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
45GH/Confirm 1 (BQI0213-09) Soil Sampled: 09/23/07 10:30 Received: 09/26/07 09:15									
Silver	ND	1.06	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	9.86	2.66	"	"	"	"	"	"	
Barium	82.7	5.32	"	"	"	"	"	"	
Cadmium	ND	0.532	"	"	"	"	"	"	
Cobalt	4.33	2.66	"	"	"	"	"	"	
Chromium	7.72	1.06	"	"	"	"	"	"	
Copper	64.2	2.66	"	"	"	"	"	"	
Iron	13600	559	"	21	"	"	09/28/07	"	QC
Mercury	ND	0.0170	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	384	2.66	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	5.72	2.66	"	"	"	"	"	"	
Zinc	148	5.32	"	"	"	"	"	"	QC

34EF/Confirm 1 (BQI0213-10) Soil Sampled: 09/23/07 10:45 Received: 09/26/07 09:15

Silver	ND	1.08	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	3.47	2.69	"	"	"	"	"	"	
Barium	94.6	5.38	"	"	"	"	"	"	
Cadmium	1.04	0.538	"	"	"	"	"	"	
Cobalt	4.89	2.69	"	"	"	"	"	"	
Chromium	7.95	1.08	"	"	"	"	"	"	
Copper	16.4	2.69	"	"	"	"	"	"	
Iron	14400	565	"	21	"	"	09/28/07	"	QC
Mercury	ND	0.0172	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	728	2.69	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	26.9	2.69	"	"	"	"	"	"	
Zinc	308	5.38	"	"	"	"	"	"	QC

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Approved by:

Robin S. Promisel

Robin Promisel For Jim Knapp

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

Percent Solids TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6G/Confirm 1 (BQI0213-01) Soil Sampled: 09/23/07 10:00 Received: 09/26/07 09:15									
% Solids	93.5	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
56 FG/Confirm 1 (BQI0213-02) Soil Sampled: 09/23/07 10:05 Received: 09/26/07 09:15									
% Solids	93.3	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
56 GH/Confirm 1 (BQI0213-03) Soil Sampled: 09/23/07 10:10 Received: 09/26/07 09:15									
% Solids	93.2	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
5G/Confirm 1 (BQI0213-04) Soil Sampled: 09/23/07 10:15 Received: 09/26/07 09:15									
% Solids	93.2	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
45 EF /Confirm 1 (BQI0213-05) Soil Sampled: 09/23/07 10:20 Received: 09/26/07 09:15									
% Solids	91.0	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
45 FG/Confirm 1 (BQI0213-06) Soil Sampled: 09/23/07 10:25 Received: 09/26/07 09:15									
% Solids	76.7	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
4E/Confirm 1 (BQI0213-07) Soil Sampled: 09/23/07 10:35 Received: 09/26/07 09:15									
% Solids	94.6	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
4F/Confirm 1 (BQI0213-08) Soil Sampled: 09/23/07 10:40 Received: 09/26/07 09:15									
% Solids	83.8	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
45GH/Confirm 1 (BQI0213-09) Soil Sampled: 09/23/07 10:30 Received: 09/26/07 09:15									
% Solids	93.9	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	

Entact Services
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Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQ10213
Reported: 10/01/07 14:39

Percent Solids

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
34EF/Confirm 1 (BQ10213-10) Soil Sampled: 09/23/07 10:45 Received: 09/26/07 09:15									
% Solids	92.9	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	

TestAmerica - Buffalo Grove, IL

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Robin S. Promisel

Robin Promisel For Jim Knapp

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQ10213
Reported: 10/01/07 14:39

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

Blank (7090421-BLK1)

Prepared: 09/27/07 Analyzed: 09/28/07

Cadmium	ND	0.500	mg/kg wet
Copper	ND	2.50	"
Arsenic	ND	2.50	"
Barium	ND	5.00	"
Cobalt	ND	2.50	"
Chromium	ND	1.00	"
Zinc	ND	5.00	"
Iron	ND	25.0	"
Lead	ND	2.50	"
Manganese	ND	2.50	"
Silver	ND	1.00	"

Blank (7090421-BLK2)

Prepared: 09/27/07 Analyzed: 09/28/07

Zinc	ND	5.00	mg/kg wet
Manganese	ND	2.50	"
Barium	ND	5.00	"
Lead	ND	2.50	"
Copper	ND	2.50	"
Cadmium	ND	0.500	"
Iron	ND	25.0	"
Chromium	ND	1.00	"
Arsenic	ND	2.50	"
Silver	ND	1.00	"
Cobalt	ND	2.50	"

LCS (7090421-BS1)

Prepared: 09/27/07 Analyzed: 09/28/07

Lead	39.0	2.50	mg/kg wet	40.0	97.4	85-110
Chromium	20.2	1.00	"	20.0	101	85-110
Manganese	21.1	2.50	"	20.0	106	90-110
Arsenic	19.7	2.50	"	20.0	98.5	80-110
Cobalt	20.0	2.50	"	20.0	100	85-110
Silver	18.0	1.00	"	20.0	90.0	80-110
Iron	261	25.0	"	250	104	90-120
Cadmium	20.1	0.500	"	20.0	100	85-110
Barium	50.1	5.00	"	50.0	100	85-110
Zinc	50.2	5.00	"	50.0	100	85-110

TestAmerica - Buffalo Grove, IL

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Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

LCS (7090421-BS1)

Prepared: 09/27/07 Analyzed: 09/28/07

Copper	20.1	2.50	mg/kg wet	20.0		101	85-110			
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LCS (7090421-BS2)

Prepared: 09/27/07 Analyzed: 09/28/07

Iron	254	25.0	mg/kg wet	250		102	90-120			
Silver	18.4	1.00	"	20.0		92.0	80-110			
Arsenic	19.0	2.50	"	20.0		94.8	80-110			
Lead	39.5	2.50	"	40.0		98.6	85-110			
Manganese	20.5	2.50	"	20.0		103	90-110			
Copper	20.0	2.50	"	20.0		99.8	85-110			
Zinc	48.5	5.00	"	50.0		97.0	85-110			
Cobalt	19.6	2.50	"	20.0		98.2	85-110			
Cadmium	19.8	0.500	"	20.0		99.1	85-110			
Chromium	19.8	1.00	"	20.0		99.0	85-110			
Barium	49.6	5.00	"	50.0		99.2	85-110			

Matrix Spike (7090421-MS1)

Source: BQI0213-01

Prepared: 09/27/07 Analyzed: 09/28/07

Silver	17.6	1.07	mg/kg dry	21.6	0.0847	81.1	65-110			
Manganese	687	2.67	"	21.6	649	178	75-125			H
Arsenic	20.0	2.67	"	21.6	1.06	87.9	45-120			
Barium	146	5.35	"	54.0	93.4	97.5	40-145			
Cadmium	19.4	0.535	"	21.6	0.217	89.0	55-110			
Cobalt	28.1	2.67	"	21.6	8.44	90.8	55-110			
Chromium	26.6	1.07	"	21.6	6.64	92.5	40-135			
Zinc	273	5.35	"	54.0	224	89.7	40-120			
Iron	11100	561	"	270	10300	277	75-125			H
Lead	44.5	2.67	"	43.2	6.33	88.4	45-125			
Copper	73.5	2.67	"	21.6	50.3	108	40-145			

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Robin S. Promisel

Robin Promisel For Jim Knapp

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

Matrix Spike (7090421-MS2)	Source: BQI0213-04			Prepared: 09/27/07		Analyzed: 09/28/07				
Arsenic	18.7	2.68	mg/kg dry	22.1	1.12	79.4	45-120			
Silver	17.2	1.07	"	22.1	0.101	77.3	65-110			
Chromium	25.2	1.07	"	22.1	5.99	86.6	40-135			
Cobalt	25.7	2.68	"	22.1	6.30	87.7	55-110			
Cadmium	18.5	0.536	"	22.1	0.366	81.9	55-110			
Barium	134	5.36	"	55.3	77.1	104	40-145			
Manganese	885	2.68	"	22.1	749	612	75-125			H
Copper	38.6	2.68	"	22.1	14.7	108	40-145			
Iron	10900	563	"	276	11300	NR	75-125			L
Zinc	364	5.36	"	55.3	276	159	40-120			H
Lead	41.9	2.68	"	44.2	4.78	84.0	45-125			

Matrix Spike Dup (7090421-MSD1)	Source: BQI0213-01			Prepared: 09/27/07		Analyzed: 09/28/07				
Silver	16.9	1.07	mg/kg dry	21.2	0.0847	79.6	65-110	3.83	25	
Arsenic	18.5	2.67	"	21.2	1.06	82.5	45-120	7.82	25	
Barium	141	5.35	"	52.9	93.4	89.6	40-145	3.64	30	
Cadmium	18.6	0.535	"	21.2	0.217	86.7	55-110	4.56	25	
Cobalt	27.0	2.67	"	21.2	8.44	87.9	55-110	3.67	20	
Chromium	25.4	1.07	"	21.2	6.64	88.6	40-135	4.67	20	
Copper	71.0	2.67	"	21.2	50.3	97.9	40-145	3.48	20	
Iron	10300	561	"	265	10300	NR	75-125	7.09	40	L
Lead	41.5	2.67	"	42.3	6.33	83.0	45-125	7.14	30	
Manganese	678	2.67	"	21.2	649	138	75-125	1.37	40	H
Zinc	271	5.35	"	52.9	224	88.2	40-120	0.644	15	

Matrix Spike Dup (7090421-MSD2)	Source: BQI0213-04			Prepared: 09/27/07		Analyzed: 09/28/07				
Lead	42.2	2.68	mg/kg dry	45.2	4.78	82.8	45-125	0.582	30	
Cobalt	25.3	2.68	"	22.6	6.30	84.2	55-110	1.55	20	
Cadmium	18.9	0.536	"	22.6	0.366	81.9	55-110	1.99	25	
Copper	37.2	2.68	"	22.6	14.7	99.9	40-145	3.60	20	
Barium	133	5.36	"	56.5	77.1	99.1	40-145	1.01	30	
Iron	10900	563	"	282	11300	NR	75-125	0.674	40	L
Silver	17.2	1.07	"	22.6	0.101	75.9	65-110	0.299	25	
Manganese	844	2.68	"	22.6	749	420	75-125	4.70	40	H
Chromium	25.0	1.07	"	22.6	5.99	84.2	40-135	0.613	20	
Zinc	356	5.36	"	56.5	276	141	40-120	2.22	15	H

TestAmerica - Buffalo Grove, IL

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Approved by:

Robin S. Promise

Robin Promise For Jim Knapp

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7090421 - EPA 3050B										
Matrix Spike Dup (7090421-MSD2)		Source: BQI0213-04		Prepared: 09/27/07 Analyzed: 09/28/07						
Arsenic	19.0	2.68	mg/kg dry	22.6	1.12	79.4	45-120	1.94	25	
Batch 7090430 - EPA 7471A										
Blank (7090430-BLK1)		Prepared & Analyzed: 09/27/07								
Mercury	ND	0.0160	mg/kg wet							
LCS (7090430-BS1)		Prepared & Analyzed: 09/27/07								
Mercury	0.244	0.0160	mg/kg wet	0.240		102	80-130			
Matrix Spike (7090430-MS1)		Source: BQI0213-04		Prepared & Analyzed: 09/27/07						
Mercury	0.256	0.0172	mg/kg dry	0.257	0.00704	96.6	50-150			
Matrix Spike Dup (7090430-MSD1)		Source: BQI0213-04		Prepared & Analyzed: 09/27/07						
Mercury	0.254	0.0172	mg/kg dry	0.257	0.00704	95.9	50-150	0.673	20	

TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Jim Knapp

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQI0213
Reported: 10/01/07 14:39

Percent Solids - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7090441 - General Prep										
Blank (7090441-BLK1)					Prepared & Analyzed: 09/28/07					
% Solids	ND	1.00	%							
Blank (7090441-BLK2)					Prepared & Analyzed: 09/28/07					
% Solids	ND	1.00	%							
Blank (7090441-BLK3)					Prepared & Analyzed: 09/28/07					
% Solids	ND	1.00	%							
Duplicate (7090441-DUP1)					Source: BQI0213-01		Prepared & Analyzed: 09/28/07			
% Solids	93.6	1.00	%		93.5			0.0422	20	
Duplicate (7090441-DUP2)					Source: BQI0213-02		Prepared & Analyzed: 09/28/07			
% Solids	93.1	1.00	%		93.3			0.162	20	
Duplicate (7090441-DUP3)					Source: BQI0213-03		Prepared & Analyzed: 09/28/07			
% Solids	93.4	1.00	%		93.2			0.205	20	

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Current Pricelist
Project Number: [none]
Project Manager: Aaron McCorvey

Lab ID: BQ10213
Reported: 10/01/07 14:39

Notes and Definitions

QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.
^	The laboratory is not NELAP accredited for this analyte by the indicated matrix and method.
^^	The State of Illinois Accrediting Authority does not offer NELAP accreditation for this analyte by the indicated matrix and method.

Note: All analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted by way of a qualifier listed above.

Note: All samples are reported on a wet weight basis unless otherwise noted.

TestAmerica--Buffalo Grove, IL Wisconsin DNR Certification Lab ID: 999917160
TestAmerica--Buffalo Grove, IL NELAP Primary Accreditation: Illinois #100261
TestAmerica--Buffalo Grove, IL NELAP Secondary Accreditation: New Jersey #IL001
TestAmerica--Nashville, TN NELAP Secondary Accreditation: Illinois #200010
TestAmerica--Dayton, OH NELAP Secondary Accreditation: Illinois #200008
TestAmerica--Watertown, WI NELAP Primary Accreditation: Illinois #100453
TestAmerica--Watertown, WI Wisconsin DNR Certification Lab ID: 128053530



TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

A handwritten signature in cursive script, appearing to read "Robin S. Promisel".

Robin Promisel For Jim Knapp

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, Illinois 60089-4505
(847) 808-7766
FAX (847) 808-7772

Client: Asarco / ENTRACT		Project Name: Asarco Deming		TAT (in days): (5-7) 4 3 2 1					
Address: 8222 S. 48th Street		Project Number: D7006		DATE RESULTS NEEDED:					
Suite 200 Phoenix, AZ 85044		PO#: 		Received at laboratory: <input type="checkbox"/> ambient <input checked="" type="checkbox"/> ice 30					
Phone #: (602) 435-4454		State & Program: 		Deliverable Package: <input type="checkbox"/> Delivery Method: <input type="checkbox"/> Fedex Client <input type="checkbox"/>					
Fax #: 		Quote ID: 		Shipped <input type="checkbox"/>					
PM/Report to: A. M. Mearns / Brian Mearns		Invoice will be sent to the Client Address unless other arrangements have been made.		THIS SECTION FOR LAB USE ONLY					
Email: amearns@entract.com				LABORATORY ID NUMBER					
Sampler: 									
FIELD ID, LOCATION		PID Readings	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used	TOTAL # OF BOTTLES	TESTS	LABORATORY ID NUMBER
1	66/confirm 1		9:25:07	10:00	Soil	MeOH NaHSO ₄ HCl HNO ₃ H ₂ SO ₄ NaOH NONE	X 1 X X X X X	As, Pb, Cd, Cr, Cu, Fe, Hg, Mn, Ni, Zn, MS, MSD	BOI0213-01
2	56 EG /confirm 1			10:05			X 1 X X X X X		02
3	56 GH /confirm 1			10:10			X 1 X X X X X		03
4	56 /confirm 1			10:15			X 1 X X X X X		04
5	45 EF /confirm 1			10:30			X 1 X X X X X		05
6	45 FG /confirm 1			10:35			X 1 X X X X X		06
7	46 /confirm 1			10:35			X 1 X X X X X		07
8	4F /confirm 1			10:40			X 1 X X X X X		08
9	45 GH /confirm 1			10:30			X 1 X X X X X		09
10	34 EF /confirm 1			10:45			X 1 X X X X X		10
RELINQUISHED ASarco		RECEIVED Asarco		DATE 9/24/07		RELINQUISHED		DATE	
RELINQUISHED Asarco		RECEIVED Asarco		DATE 9:15		RELINQUISHED		DATE	
TIME		TIME		TIME		TIME		TIME	
COMMENTS: 8499 4369 7043									
PAGE					OF				

01 October 2007

Lab ID: BQI0215

Aaron McCorvey
Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

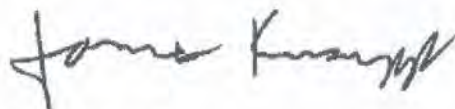
RE: Asarco- Deming

Enclosed are the results of analyses for samples received by the laboratory on 09/26/07. The sample results relate only to the tested analytes of interest and to the sample as received by the laboratory. At the time of analysis, the laboratory was in compliance with current NELAP standards and held accreditation for all analyses performed unless noted by a qualifier. The laboratory's Illinois NELAP accreditation number is 100261.

This report can not be reproduced, except in full, without written approval from the laboratory. If you have any questions concerning this report, please feel free to contact Jim Knapp or Margaret Kniest.

Sincerely,

TestAmerica Analytical Testing Corporation



James Knapp
Laboratory Director



Myra Kunas
Quality Assurance Manager

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
34 FG/Confirm I	BQI0215-01	Soil	09/23/07 10:50	09/26/07 09:15
56 GH/Confirm I/FD	BQI0215-02	Soil	09/23/07 10:10	09/26/07 09:15
45FG/Confirm I/FD	BQI0215-03	Soil	09/23/07 10:25	09/26/07 09:15

Sample Receipt Notes

Please note that the chain of custody (COC) included with this report is considered part of the report. The data user should review any comments or notes made on the COC. Any receipt issues found by the laboratory that are not noted on the COC will be stated below.

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

Total Metals by EPA 6000/7000 Series Methods TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
34 FG/Confirm 1 (BQI0215-01) Soil Sampled: 09/23/07 10:50 Received: 09/26/07 09:15									
Silver	ND	1.09	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	29.5	2.72	"	"	"	"	"	"	
Barium	87.4	5.45	"	"	"	"	"	"	
Cadmium	0.728	0.545	"	"	"	"	"	"	
Cobalt	4.37	2.72	"	"	"	"	"	"	
Chromium	7.22	1.09	"	"	"	"	"	"	
Copper	66.4	2.72	"	"	"	"	"	"	
Iron	28800	1390	"	51	"	"	10/01/07	"	QC
Mercury	0.0177	0.0158	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	538	2.72	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	213	2.72	"	"	"	"	"	"	
Zinc	267	5.45	"	"	"	"	"	"	QC

56 GH/Confirm 1/FD (BQI0215-02) Soil Sampled: 09/23/07 10:10 Received: 09/26/07 09:15

Silver	ND	1.07	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	ND	2.68	"	"	"	"	"	"	
Barium	100	5.36	"	"	"	"	"	"	
Cadmium	ND	0.536	"	"	"	"	"	"	
Cobalt	9.51	2.68	"	"	"	"	"	"	
Chromium	7.18	1.07	"	"	"	"	"	"	
Copper	74.7	2.68	"	"	"	"	"	"	
Iron	10900	1370	"	51	"	"	10/01/07	"	QC
Mercury	ND	0.0171	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	927	2.68	"	"	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	9.86	2.68	"	"	"	"	"	"	
Zinc	302	5.36	"	"	"	"	"	"	QC

TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
45FG/Confirm 1/FD (BQI0215-03) Soil Sampled: 09/23/07 10:25 Received: 09/26/07 09:15									
Silver	ND	1.06	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	12.5	2.65	"	"	"	"	"	"	
Barium	78.3	5.31	"	"	"	"	"	"	
Cadmium	1.38	0.531	"	"	"	"	"	"	
Cobalt	7.20	2.65	"	"	"	"	"	"	
Chromium	6.26	1.06	"	"	"	"	"	"	
Copper	112	2.65	"	"	"	"	"	"	
Iron	22100	1350	"	51	"	"	10/01/07	"	QC
Mercury	ND	0.0170	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	1580	135	"	51	7090421	09/27/07	10/01/07	EPA 6010B	QC
Lead	121	2.65	"	1	"	"	09/28/07	"	
Zinc	455	5.31	"	"	"	"	"	"	QC

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

Percent Solids

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
34 FG/Confirm 1 (BQI0215-01) Soil Sampled: 09/23/07 10:50 Received: 09/26/07 09:15									
% Solids	91.8	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
56 GH/Confirm 1/FD (BQI0215-02) Soil Sampled: 09/23/07 10:10 Received: 09/26/07 09:15									
% Solids	93.4	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
45FG/Confirm 1/FD (BQI0215-03) Soil Sampled: 09/23/07 10:25 Received: 09/26/07 09:15									
% Solids	94.2	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	

TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

Total Metals by EPA 6000/7000 Series Methods - Quality Control
TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

Blank (7090421-BLK1)

Prepared: 09/27/07 Analyzed: 09/28/07

Copper	ND	2.50	mg/kg wet
Cadmium	ND	0.500	"
Iron	ND	25.0	"
Cobalt	ND	2.50	"
Chromium	ND	1.00	"
Lead	ND	2.50	"
Manganese	ND	2.50	"
Arsenic	ND	2.50	"
Zinc	ND	5.00	"
Silver	ND	1.00	"
Barium	ND	5.00	"

Blank (7090421-BLK2)

Prepared: 09/27/07 Analyzed: 09/28/07

Copper	ND	2.50	mg/kg wet
Manganese	ND	2.50	"
Chromium	ND	1.00	"
Zinc	ND	5.00	"
Iron	ND	25.0	"
Lead	ND	2.50	"
Cobalt	ND	2.50	"
Barium	ND	5.00	"
Silver	ND	1.00	"
Cadmium	ND	0.500	"
Arsenic	ND	2.50	"

LCS (7090421-BS1)

Prepared: 09/27/07 Analyzed: 09/28/07

Zinc	50.2	5.00	mg/kg wet	50.0	100	85-110
Silver	18.0	1.00	"	20.0	90.0	80-110
Manganese	21.1	2.50	"	20.0	106	90-110
Copper	20.1	2.50	"	20.0	101	85-110
Arsenic	19.7	2.50	"	20.0	98.5	80-110
Lead	39.0	2.50	"	40.0	97.4	85-110
Cobalt	20.0	2.50	"	20.0	100	85-110
Chromium	20.2	1.00	"	20.0	101	85-110
Barium	50.1	5.00	"	50.0	100	85-110
Iron	261	25.0	"	250	104	90-120

TestAmerica - Buffalo Grove, IL

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Robin S. Promise

Robin Promise For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

LCS (7090421-BS1)

Prepared: 09/27/07 Analyzed: 09/28/07

Cadmium	20.1	0.500	mg/kg wet	20.0		100	85-110			
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LCS (7090421-BS2)

Prepared: 09/27/07 Analyzed: 09/28/07

Copper	20.0	2.50	mg/kg wet	20.0		99.8	85-110			
Cadmium	19.8	0.500	"	20.0		99.1	85-110			
Barium	49.6	5.00	"	50.0		99.2	85-110			
Cobalt	19.6	2.50	"	20.0		98.2	85-110			
Arsenic	19.0	2.50	"	20.0		94.8	80-110			
Iron	254	25.0	"	250		102	90-120			
Chromium	19.8	1.00	"	20.0		99.0	85-110			
Lead	39.5	2.50	"	40.0		98.6	85-110			
Zinc	48.5	5.00	"	50.0		97.0	85-110			
Manganese	20.5	2.50	"	20.0		103	90-110			
Silver	18.4	1.00	"	20.0		92.0	80-110			

Matrix Spike (7090421-MS1)

Source: BQI0213-01

Prepared: 09/27/07 Analyzed: 09/28/07

Cadmium	19.4	0.535	mg/kg dry	21.6	0.217	89.0	55-110			
Silver	17.6	1.07	"	21.6	0.0847	81.1	65-110			
Arsenic	20.0	2.67	"	21.6	1.06	87.9	45-120			
Cobalt	28.1	2.67	"	21.6	8.44	90.8	55-110			
Barium	146	5.35	"	54.0	93.4	97.5	40-145			
Zinc	273	5.35	"	54.0	224	89.7	40-120			
Copper	73.5	2.67	"	21.6	50.3	108	40-145			
Iron	11100	561	"	270	10300	277	75-125			H
Manganese	687	2.67	"	21.6	649	178	75-125			H
Chromium	26.6	1.07	"	21.6	6.64	92.5	40-135			
Lead	44.5	2.67	"	43.2	6.33	88.4	45-125			

TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

Matrix Spike (7090421-MS2)		Source: BQI0213-04		Prepared: 09/27/07		Analyzed: 09/28/07				
Cobalt	25.7	2.68	mg/kg dry	22.1	6.30	87.7	55-110			
Cadmium	18.5	0.536	"	22.1	0.366	81.9	55-110			
Barium	134	5.36	"	55.3	77.1	104	40-145			
Iron	10900	563	"	276	11300	NR	75-125			L
Arsenic	18.7	2.68	"	22.1	1.12	79.4	45-120			
Chromium	25.2	1.07	"	22.1	5.99	86.6	40-135			
Manganese	885	2.68	"	22.1	749	612	75-125			H
Lead	41.9	2.68	"	44.2	4.78	84.0	45-125			
Copper	38.6	2.68	"	22.1	14.7	108	40-145			
Silver	17.2	1.07	"	22.1	0.101	77.3	65-110			
Zinc	364	5.36	"	55.3	276	159	40-120			H

Matrix Spike Dup (7090421-MSD1)		Source: BQI0213-01		Prepared: 09/27/07		Analyzed: 09/28/07				
Arsenic	18.5	2.67	mg/kg dry	21.2	1.06	82.5	45-120	7.82	25	
Iron	10300	561	"	265	10300	NR	75-125	7.09	40	L
Lead	41.5	2.67	"	42.3	6.33	83.0	45-125	7.14	30	
Barium	141	5.35	"	52.9	93.4	89.6	40-145	3.64	30	
Silver	16.9	1.07	"	21.2	0.0847	79.6	65-110	3.83	25	
Chromium	25.4	1.07	"	21.2	6.64	88.6	40-135	4.67	20	
Manganese	678	2.67	"	21.2	649	138	75-125	1.37	40	H
Cobalt	27.0	2.67	"	21.2	8.44	87.9	55-110	3.67	20	
Cadmium	18.6	0.535	"	21.2	0.217	86.7	55-110	4.56	25	
Copper	71.0	2.67	"	21.2	50.3	97.9	40-145	3.48	20	
Zinc	271	5.35	"	52.9	224	88.2	40-120	0.644	15	

Matrix Spike Dup (7090421-MSD2)		Source: BQI0213-04		Prepared: 09/27/07		Analyzed: 09/28/07				
Cobalt	25.3	2.68	mg/kg dry	22.6	6.30	84.2	55-110	1.55	20	
Silver	17.2	1.07	"	22.6	0.101	75.9	65-110	0.299	25	
Lead	42.2	2.68	"	45.2	4.78	82.8	45-125	0.582	30	
Barium	133	5.36	"	56.5	77.1	99.1	40-145	1.01	30	
Manganese	844	2.68	"	22.6	749	420	75-125	4.70	40	H
Cadmium	18.9	0.536	"	22.6	0.366	81.9	55-110	1.99	25	
Iron	10900	563	"	282	11300	NR	75-125	0.674	40	L
Copper	37.2	2.68	"	22.6	14.7	99.9	40-145	3.60	20	
Zinc	356	5.36	"	56.5	276	141	40-120	2.22	15	H
Chromium	25.0	1.07	"	22.6	5.99	84.2	40-135	0.613	20	

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Knies

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

Matrix Spike Dup (7090421-MSD2)		Source: BQI0213-04		Prepared: 09/27/07 Analyzed: 09/28/07						
Arsenic	19.0	2.68	mg/kg dry	22.6	1.12	79.4	45-120	1.94	25	

Batch 7090430 - EPA 7471A

Blank (7090430-BLK1)			Prepared & Analyzed: 09/27/07		
Mercury	ND	0.0160	mg/kg wet		

LCS (7090430-BS1)				Prepared & Analyzed: 09/27/07						
Mercury	0.244	0.0160	mg/kg wet	0.240		102	80-130			

Matrix Spike (7090430-MS1)		Source: BQI0213-04		Prepared & Analyzed: 09/27/07						
Mercury	0.256	0.0172	mg/kg dry	0.257	0.00704	96.6	50-150			

Matrix Spike Dup (7090430-MSD1)		Source: BQI0213-04		Prepared & Analyzed: 09/27/07						
Mercury	0.254	0.0172	mg/kg dry	0.257	0.00704	95.9	50-150	0.673	20	

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

Percent Solids - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 7090441 - General Prep

Blank (7090441-BLK1)

Prepared & Analyzed: 09/28/07

% Solids	ND	1.00	%
----------	----	------	---

Blank (7090441-BLK2)

Prepared & Analyzed: 09/28/07

% Solids	ND	1.00	%
----------	----	------	---

Blank (7090441-BLK3)

Prepared & Analyzed: 09/28/07

% Solids	ND	1.00	%
----------	----	------	---

Duplicate (7090441-DUP1)

Source: BQI0213-01

Prepared & Analyzed: 09/28/07

% Solids	93.6	1.00	%	93.5	0.0422	20
----------	------	------	---	------	--------	----

Duplicate (7090441-DUP2)

Source: BQI0213-02

Prepared & Analyzed: 09/28/07

% Solids	93.1	1.00	%	93.3	0.162	20
----------	------	------	---	------	-------	----

Duplicate (7090441-DUP3)

Source: BQI0213-03

Prepared & Analyzed: 09/28/07

% Solids	93.4	1.00	%	93.2	0.205	20
----------	------	------	---	------	-------	----

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0215
Reported: 10/01/07 14:58

Notes and Definitions

QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.
^	The laboratory is not NELAP accredited for this analyte by the indicated matrix and method.
^^	The State of Illinois Accrediting Authority does not offer NELAP accreditation for this analyte by the indicated matrix and method.

Note: All analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted by way of a qualifier listed above.

Note: All samples are reported on a wet weight basis unless otherwise noted.

TestAmerica--Buffalo Grove, IL Wisconsin DNR Certification Lab ID: 999917160
TestAmerica--Buffalo Grove, IL NELAP Primary Accreditation: Illinois #100261
TestAmerica--Buffalo Grove, IL NELAP Secondary Accreditation: New Jersey #IL001
TestAmerica--Nashville, TN NELAP Secondary Accreditation: Illinois #200010
TestAmerica--Dayton, OH NELAP Secondary Accreditation: Illinois #200008
TestAmerica--Watertown, WI NELAP Primary Accreditation: Illinois #100453
TestAmerica--Watertown, WI Wisconsin DNR Certification Lab ID: 128053530



TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

A handwritten signature in cursive script, appearing to read "Robin S. Promisel".

Robin Promisel For Margaret Kniest

Client: Asarco/ENTACT		Project Name: Asarco Deming		TAT (in days): 5-7		DATE RESULTS NEEDED: 1 2 3 4	
Address: 8222 S. 48th Street		Project Number: D7006		For RUSH requests:			
Suite 200 Phoenix, AZ 85044		PO#: 		Received at laboratory: <input checked="" type="checkbox"/> ambient <input type="checkbox"/> ice		Lab temp. 30	
Phone #: (602) 935-9454		State & Program: 		Deliverable Package: <input type="checkbox"/> STD <input type="checkbox"/> Other <input checked="" type="checkbox"/> FedEx		Client <input type="checkbox"/>	
Fax #: (602) 935-9454		Invoice will be sent to the Client Address unless other arrangements have been made.		Shipped <input type="checkbox"/>			
PM/Report to: A. McCorvey / Brian Munson		Quote ID: 		THIS SECTION FOR LAB USE ONLY		LABORATORY ID NUMBER	
Email: amccorvey@entact.com							
Sampler: Aaron McCorvey							
FIELD ID, LOCATION							
1	34 FG/confirm 1	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used	TOTAL # OF BOTTLES	ANALYSIS
		9-23-07	10:50	SOIL	MAOH, NaHSO ₄ , HCl, HNO ₃ , H ₂ SO ₄ , NaOH, NONE	1	Fe, Hg, Mn, Cd, Pb, As, Total As, Pb
2	56 GH/confirm 1 / FD	9-23-07	10:10	SOIL		1	
3	45 FG/confirm 1 / FD	9-23-07	10:25	SOIL		1	
4							
5							
6							
7							
8							
9							
10							
RELINQUISHED Aaron McCorvey		DATE	TIME	RELINQUISHED	DATE	TIME	RECEIVED
9-25-07 11:00E		9-26-07	9:15	9-26-07	9:15		
COMMENTS: 84994369 7043							
PAGE		OF					

15 November 2007

Lab ID: BQK0075

Aaron McCorvey
Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

RE: Asarco- Deming

Enclosed are the results of analyses for samples received by the laboratory on 11/09/07. The sample results relate only to the tested analytes of interest and to the sample as received by the laboratory. At the time of analysis, the laboratory was in compliance with current NELAP standards and held accreditation for all analyses performed unless noted by a qualifier. The laboratory's Illinois NELAP accreditation number is 100261.

This report can not be reproduced, except in full, without written approval from the laboratory. If you have any questions concerning this report, please feel free to contact Jim Knapp or Margaret Kniest.

Sincerely,

TestAmerica Analytical Testing Corporation



James Knapp
Laboratory Director



Myra Kunas
Quality Assurance Manager

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQK0075
Reported: 11/15/07 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
21 Confirm 1	BQK0075-01	Soil	11/07/07 08:00	11/09/07 09:30
3 Confirm 1	BQK0075-02	Soil	11/07/07 08:10	11/09/07 09:30
25 Confirm 1	BQK0075-03	Soil	11/07/07 08:15	11/09/07 09:30
26 Confirm 1	BQK0075-04	Soil	11/07/07 08:20	11/09/07 09:30

Sample Receipt Notes

Please note that the chain of custody (COC) included with this report is considered part of the report. The data user should review any comments or notes made on the COC. Any receipt issues found by the laboratory that are not noted on the COC will be stated below.

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQK0075
Reported: 11/15/07 16:11

Total Metals by EPA 6000/7000 Series Methods TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
21 Confirm 1 (BQK0075-01) Soil Sampled: 11/07/07 08:00 Received: 11/09/07 09:30									
Silver	ND	1.03	mg/kg dry	1	7110153	11/12/07	11/14/07	EPA 6010B	
Arsenic	ND	2.58	"	"	"	"	"	"	
Barium	84.6	5.15	"	"	"	"	"	"	
Cadmium	ND	0.515	"	"	"	"	"	"	
Cobalt	6.46	2.58	"	"	"	"	"	"	
Chromium	7.18	1.03	"	"	"	"	"	"	
Iron	11900	1310	"	51	"	"	11/14/07	"	QC
Mercury	ND	0.0165	"	1	7110160	11/12/07	11/13/07	EPA 7471A	
Manganese	449	2.58	"	"	7110153	11/12/07	11/14/07	EPA 6010B	QC
Lead	14.9	2.58	"	"	"	"	"	"	
Zinc	238	5.15	"	"	"	"	"	"	

3 Confirm 1 (BQK0075-02) Soil Sampled: 11/07/07 08:10 Received: 11/09/07 09:30

Silver	ND	1.03	mg/kg dry	1	7110153	11/12/07	11/14/07	EPA 6010B	
Arsenic	ND	2.58	"	"	"	"	"	"	
Barium	95.9	5.17	"	"	"	"	"	"	
Cadmium	ND	0.517	"	"	"	"	"	"	
Cobalt	4.21	2.58	"	"	"	"	"	"	
Chromium	8.90	1.03	"	"	"	"	"	"	
Iron	12500	1320	"	51	"	"	11/14/07	"	QC
Mercury	ND	0.0165	"	1	7110160	11/12/07	11/13/07	EPA 7471A	
Manganese	393	2.58	"	"	7110153	11/12/07	11/14/07	EPA 6010B	QC
Lead	13.9	2.58	"	"	"	"	"	"	
Zinc	158	5.17	"	"	"	"	"	"	

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQK0075
Reported: 11/15/07 16:11

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
25 Confirm 1 (BQK0075-03) Soil Sampled: 11/07/07 08:15 Received: 11/09/07 09:30									
Silver	ND	1.02	mg/kg dry	1	7110153	11/12/07	11/14/07	EPA 6010B	
Arsenic	3.26	2.56	"	"	"	"	"	"	
Barium	73.5	5.12	"	"	"	"	"	"	
Cadmium	2.16	0.512	"	"	"	"	"	"	
Cobalt	5.55	2.56	"	"	"	"	"	"	
Chromium	7.55	1.02	"	"	"	"	"	"	
Iron	15700	1310	"	51	"	"	11/14/07	"	QC
Mercury	ND	0.0164	"	1	7110160	11/12/07	11/13/07	EPA 7471A	
Manganese	945	2.56	"	"	7110153	11/12/07	11/14/07	EPA 6010B	QC
Lead	56.8	2.56	"	"	"	"	"	"	
Zinc	654	5.12	"	"	"	"	"	"	

26 Confirm 1 (BQK0075-04) Soil Sampled: 11/07/07 08:20 Received: 11/09/07 09:30									
Silver	ND	1.03	mg/kg dry	1	7110153	11/12/07	11/14/07	EPA 6010B	
Arsenic	ND	2.57	"	"	"	"	"	"	
Barium	52.1	5.13	"	"	"	"	"	"	
Cadmium	1.16	0.513	"	"	"	"	"	"	
Cobalt	3.87	2.57	"	"	"	"	"	"	
Chromium	4.21	1.03	"	"	"	"	"	"	
Iron	9700	1310	"	51	"	"	11/14/07	"	QC
Mercury	ND	0.0144	"	1	7110160	11/12/07	11/13/07	EPA 7471A	
Manganese	423	2.57	"	"	7110153	11/12/07	11/14/07	EPA 6010B	QC
Lead	4.04	2.57	"	"	"	"	"	"	
Zinc	438	5.13	"	"	"	"	"	"	

TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

Robin F. Promise

Robin Promise For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQK0075
Reported: 11/15/07 16:11

Percent Solids TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
21 Confirm 1 (BQK0075-01) Soil Sampled: 11/07/07 08:00 Received: 11/09/07 09:30									
% Solids	97.0	1.00	%	1	7110155	11/12/07	11/12/07	SW846 5035	
3 Confirm 1 (BQK0075-02) Soil Sampled: 11/07/07 08:10 Received: 11/09/07 09:30									
% Solids	96.8	1.00	%	1	7110155	11/12/07	11/12/07	SW846 5035	
25 Confirm 1 (BQK0075-03) Soil Sampled: 11/07/07 08:15 Received: 11/09/07 09:30									
% Solids	97.6	1.00	%	1	7110155	11/12/07	11/12/07	SW846 5035	
26 Confirm 1 (BQK0075-04) Soil Sampled: 11/07/07 08:20 Received: 11/09/07 09:30									
% Solids	97.4	1.00	%	1	7110155	11/12/07	11/12/07	SW846 5035	

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQK0075
Reported: 11/15/07 16:11

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7110153 - EPA 3050B

Blank (7110153-BLK1)

Prepared: 11/12/07 Analyzed: 11/13/07

Cobalt	ND	2.50	mg/kg wet
Arsenic	ND	2.50	"
Manganese	ND	2.50	"
Barium	ND	5.00	"
Cadmium	ND	0.500	"
Zinc	ND	5.00	"
Iron	ND	25.0	"
Silver	ND	1.00	"
Lead	ND	2.50	"
Chromium	ND	1.00	"

LCS (7110153-BS1)

Prepared: 11/12/07 Analyzed: 11/14/07

Manganese	20.9	2.50	mg/kg wet	20.0	105	90-110
Iron	255	25.0	"	250	102	90-120
Chromium	20.0	1.00	"	20.0	100	85-110
Cadmium	19.3	0.500	"	20.0	96.7	85-110
Barium	49.6	5.00	"	50.0	99.2	85-110
Arsenic	18.1	2.50	"	20.0	90.7	80-110
Silver	19.1	1.00	"	20.0	95.4	80-110
Cobalt	19.3	2.50	"	20.0	96.6	85-110
Zinc	50.8	5.00	"	50.0	102	85-110
Lead	40.6	2.50	"	40.0	101	85-110

Matrix Spike (7110153-MS1)

Source: BQK0076-01

Prepared: 11/12/07 Analyzed: 11/14/07

Chromium	34.9	1.25	mg/kg dry	24.3	13.3	88.8	40-135
Lead	49.7	3.13	"	48.6	8.51	84.8	45-125
Manganese	320	3.13	"	24.3	354	NR	75-125
Barium	121	6.26	"	60.7	76.3	74.2	40-145
Silver	19.9	1.25	"	24.3	ND	81.8	65-110
Cadmium	19.6	0.626	"	24.3	ND	80.9	55-110
Iron	17700	1600	"	304	15900	580	75-125
Arsenic	22.7	3.13	"	24.3	3.87	77.6	45-120
Zinc	85.5	6.26	"	60.7	34.4	84.2	40-120
Cobalt	25.6	3.13	"	24.3	5.86	81.1	55-110

TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Knies

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQK0075
Reported: 11/15/07 16:11

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7110153 - EPA 3050B										
Matrix Spike Dup (7110153-MSD1)										
				Source: BQK0076-01		Prepared: 11/12/07 Analyzed: 11/13/07				
Cobalt	25.3	3.13	mg/kg dry	23.8	5.86	81.5	55-110	1.09	20	
Barium	118	6.26	"	59.6	76.3	70.7	40-145	2.47	30	
Chromium	31.0	1.25	"	23.8	13.3	74.2	40-135	11.8	20	
Cadmium	19.1	0.626	"	23.8	ND	80.3	55-110	2.57	25	
Arsenic	23.1	3.13	"	23.8	3.87	80.7	45-120	1.62	25	
Silver	17.5	1.25	"	23.8	ND	73.3	65-110	12.9	25	
Iron	16400	1600	"	298	15900	173	75-125	7.31	40	H
Lead	49.2	3.13	"	47.7	8.51	85.4	45-125	0.999	30	
Manganese	366	160	"	23.8	354	50.3	75-125	13.3	40	L
Zinc	79.7	6.26	"	59.6	34.4	76.0	40-120	7.09	15	

Batch 7110160 - EPA 7471A

Blank (7110160-BLK1)				Prepared: 11/12/07 Analyzed: 11/13/07					
Mercury	ND	0.0160	mg/kg wet						
LCS (7110160-BS1)				Prepared: 11/12/07 Analyzed: 11/13/07					
Mercury	0.252	0.0160	mg/kg wet	0.240	105	80-130			
Matrix Spike (7110160-MS1)		Source: BQK0068-01		Prepared: 11/12/07 Analyzed: 11/13/07					
Mercury	0.299	0.0197	mg/kg dry	0.284	0.0130	100	50-150		
Matrix Spike Dup (7110160-MSD1)		Source: BQK0068-01		Prepared: 11/12/07 Analyzed: 11/13/07					
Mercury	0.268	0.0173	mg/kg dry	0.259	0.0130	98.3	50-150	10.8	20

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Knies

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQK0075
Reported: 11/15/07 16:11

Percent Solids - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7110155 - General Prep										
Blank (7110155-BLK1)					Prepared & Analyzed: 11/12/07					
% Solids	ND	1.00	%							
Blank (7110155-BLK2)					Prepared & Analyzed: 11/12/07					
% Solids	ND	1.00	%							
Blank (7110155-BLK3)					Prepared & Analyzed: 11/12/07					
% Solids	ND	1.00	%							
Blank (7110155-BLK4)					Prepared & Analyzed: 11/12/07					
% Solids	ND	1.00	%							
Duplicate (7110155-DUP1)					Source: BQJ0270-05 Prepared & Analyzed: 11/12/07					
% Solids	79.9	1.00	%		80.4			0.629	20	
Duplicate (7110155-DUP2)					Source: BQJ0270-06 Prepared & Analyzed: 11/12/07					
% Solids	78.3	1.00	%		78.2			0.0633	20	
Duplicate (7110155-DUP3)					Source: BQK0071-01 Prepared & Analyzed: 11/12/07					
% Solids	86.8	1.00	%		86.6			0.164	20	
Duplicate (7110155-DUP4)					Source: BQK0071-02 Prepared & Analyzed: 11/12/07					
% Solids	84.5	1.00	%		87.7			3.78	20	

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQK0075
Reported: 11/15/07 16:11

Notes and Definitions

QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.
^	The laboratory is not NELAP accredited for this analyte by the indicated matrix and method.
^^	The State of Illinois Accrediting Authority does not offer NELAP accreditation for this analyte by the indicated matrix and method.

Note: All analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted by way of a qualifier listed above.

Note: All samples are reported on a wet weight basis unless otherwise noted.

TestAmerica--Buffalo Grove, IL Wisconsin DNR Certification Lab ID: 999917160
TestAmerica--Buffalo Grove, IL NELAP Primary Accreditation: Illinois #100261
TestAmerica--Buffalo Grove, IL NELAP Secondary Accreditation: New Jersey #IL001
TestAmerica--Nashville, TN NELAP Secondary Accreditation: Illinois #200010
TestAmerica--Dayton, OH NELAP Secondary Accreditation: Illinois #200008
TestAmerica--Watertown, WI NELAP Primary Accreditation: Illinois #100453
TestAmerica--Watertown, WI Wisconsin DNR Certification Lab ID: 128053530



TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

A handwritten signature in cursive script, appearing to read "Robin S. Promisel".

Robin Promisel For Margaret Kniest

Client: Asarco LLC		Project Name: Asarco Deming		TAT (in days): 5 (5-7)		4 3 2 1	
Address: 8222 S. 48th St.		Project Number: D7006		For RUSH requests:			
Suite 220 Phoenix, AZ 85044		PO#: State & Program:		Received at laboratory: <input checked="" type="checkbox"/> ambient <input checked="" type="checkbox"/> ice		Lab temp. 30	
Phone #: (602) 935-1459		Quote ID:		Deliverable Package: <input checked="" type="checkbox"/> STD <input type="checkbox"/> Other		Delivery Method: TAO Client <input type="checkbox"/>	
Fax #:		Invoice will be sent to the Client Address unless other arrangements have been made.		Shipped: <input checked="" type="checkbox"/>		FED-EX	
PM/Report to: Brian Munro		Email: amunro@entia.com		Sampler: Aaron McCray		FIELD LOCATION	
1 21 confirm 1		DATE COLLECTED: 11-7-01		TIME COLLECTED: 0800		SAMPLE MATRIX: SOLID	
2 3 confirm 1		DATE COLLECTED: 11-7-01		TIME COLLECTED: 0810		SAMPLE MATRIX: SOLID	
3 25 confirm 1		DATE COLLECTED: 11-7-01		TIME COLLECTED: 0815		SAMPLE MATRIX: SOLID	
4 26 confirm 1		DATE COLLECTED: 11-7-01		TIME COLLECTED: 0820		SAMPLE MATRIX: SOLID	
5		DATE COLLECTED:		TIME COLLECTED:		SAMPLE MATRIX:	
6		DATE COLLECTED:		TIME COLLECTED:		SAMPLE MATRIX:	
7		DATE COLLECTED:		TIME COLLECTED:		SAMPLE MATRIX:	
8		DATE COLLECTED:		TIME COLLECTED:		SAMPLE MATRIX:	
9		DATE COLLECTED:		TIME COLLECTED:		SAMPLE MATRIX:	
10		DATE COLLECTED:		TIME COLLECTED:		SAMPLE MATRIX:	
RELINQUISHED: 11-8-01 10:30		RECEIVED: 11-9-01 9:30		RELINQUISHED: 11-9-01 9:30		RECEIVED: 11-9-01 9:30	
DATE: 11-8-01		DATE: 11-9-01		DATE: 11-9-01		DATE: 11-9-01	
TIME: 10:30		TIME: 9:30		TIME: 9:30		TIME: 9:30	
RELINQUISHED: 11-8-01 10:30		RECEIVED: 11-9-01 9:30		RELINQUISHED: 11-9-01 9:30		RECEIVED: 11-9-01 9:30	
DATE: 11-8-01		DATE: 11-9-01		DATE: 11-9-01		DATE: 11-9-01	
TIME: 10:30		TIME: 9:30		TIME: 9:30		TIME: 9:30	
COMMENTS: 8625 3820 2360							
PAGE						OF	

**ATTACHMENT 3
SEED CERTIFICATES**

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot# M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Sacaton Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01/08	143.00
Sand Dropseed Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11/07	143.00
Silenea Gramma Vaughn	Texas	35.68%	77.00%	05.00%	82.00%	02/08	429.00
Other Crop: 00.23% There Are 29 Bags For This Mix Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds Inert Matter: 11.30% Use This Bag For 3 Acres							Total Bulk Pounds: 939.62

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot# M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Sacaton Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01/08	143.00
Sand Dropseed Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11/07	143.00
Silenea Gramma Vaughn	Texas	35.68%	77.00%	05.00%	82.00%	02/08	429.00
Other Crop: 00.23% There Are 29 Bags For This Mix Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds Inert Matter: 11.30% Use This Bag For 3 Acres							Total Bulk Pounds: 939.62

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot# M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Sacaton Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01/08	143.00
Sand Dropseed Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11/07	143.00
Silenea Gramma Vaughn	Texas	35.68%	77.00%	05.00%	82.00%	02/08	429.00
Other Crop: 00.23% There Are 29 Bags For This Mix Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds Inert Matter: 11.30% Use This Bag For 3 Acres							Total Bulk Pounds: 939.62

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot# M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Sacaton Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01/08	143.00
Sand Dropseed Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11/07	143.00
Silenea Gramma Vaughn	Texas	35.68%	77.00%	05.00%	82.00%	02/08	429.00
Other Crop: 00.23% There Are 29 Bags For This Mix Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds Inert Matter: 11.30% Use This Bag For 3 Acres							Total Bulk Pounds: 939.62

Curtis & Curtis Inc.

4500 N. Prince, Clovis NM 88101
Phone: 505-762-4759 Permit # TX 2772

Purple Threawn, Not Stated

Lot #: 15808

Pure Seed	97.25%	Germination	93.00%
Inert	2.73%	Dormant:	0.00%
Other Crop	0.02%	Total Germination:	93.00%
Weed Seed	0.00%	Origin	Arizona
Test Date:	3/08		
Noxious Weeds:	None	Net Wt:	25.00 lbs

Curtis & Curtis Inc.

4500 N. Prince, Clovis NM 88101
Phone: 505-762-4759 Permit # TX 2772

Purple Threawn, Not Stated

Lot #: 15808

Pure Seed	97.25%	Germination	93.00%
Inert	2.73%	Dormant:	0.00%
Other Crop	0.02%	Total Germination:	93.00%
Weed Seed	0.00%	Origin	Arizona
Test Date:	3/08		
Noxious Weeds:	None	Net Wt:	25.00 lbs

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot: M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Selenon Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	143.00
Sidewalk Grains Vaughn	Texas	55.68%	77.00%	05.00%	82.00%	02.08	429.00
Total Bulk Pounds: 939.62							

Other Crop: 00.25% There Are 29 Bags For This Mix
Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds
Inert Matter: 11.30% Use This Bag For 5 Acres

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot: M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Selenon Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	143.00
Sidewalk Grains Vaughn	Texas	55.68%	77.00%	05.00%	82.00%	02.08	429.00
Total Bulk Pounds: 939.62							

Other Crop: 00.25% There Are 29 Bags For This Mix
Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds
Inert Matter: 11.30% Use This Bag For 5 Acres

Curtis & Curtis Inc.

4500 N. Prince, Clovis NM 88101
Phone 505-762-4759 Permit # TX 2772

Purple Threawn, Not Stated

Lot #: 15908

Pure Seed	97.25%					
Inert	2.73%					
Other Crop	0.02%					
Weed Seed	0.00%					
Test Date	3/08					
Noxious Weeds:	None					
Germ is T2						
Germination						
Dormant:						
Total Germination:						
Origin:						
Arizona						
Net Wt:						
25.00						
lbs						

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot: M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Selenon Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	143.00
Sidewalk Grains Vaughn	Texas	55.68%	77.00%	05.00%	82.00%	02.08	429.00
Total Bulk Pounds: 939.62							

Other Crop: 00.25% There Are 29 Bags For This Mix
Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds
Inert Matter: 11.30% Use This Bag For 5 Acres

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot: M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Selenon Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	143.00
Sidewalk Grains Vaughn	Texas	55.68%	77.00%	05.00%	82.00%	02.08	429.00
Total Bulk Pounds: 939.62							

Other Crop: 00.25% There Are 29 Bags For This Mix
Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds
Inert Matter: 11.30% Use This Bag For 5 Acres

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot: M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Selenon Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	143.00
Sidewalk Grains Vaughn	Texas	55.68%	77.00%	05.00%	82.00%	02.08	429.00
Total Bulk Pounds: 939.62							

Other Crop: 00.25% There Are 29 Bags For This Mix
Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds
Inert Matter: 11.30% Use This Bag For 5 Acres

Curtis & Curtis Reed
4300 N. Prince
Clovis, NM 88101
Phone: 505-262-4750

C. A. Environmental & Construction Service
2B - 5 Acre Bag @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot# M-8128

Item	Origin	Purity	Germ	Reclaim	Germ & Reclaim	Test Date	Total P.L. Pounds
Alkali Sacaton Not Stated	New Mexico	18.58%	98.00%	00.00%	98.00%	01-08	143.00
Sand Drosgood Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11-07	148.00
Midwest Gamma Vaughn	Texas	35.88%	77.00%	05.00%	82.00%	02-08	429.00
Other Crop: 00.23%	There Are 39 Bags For This Mix				Total Bulk Pounds: 539.02		
Weed Seed: 00.33%	This Bag Weighs 32.35 Bulk Pounds						
Inert Matter: 11.30%	Use This Bag For 5 Acres						

Curtis & Curtis Seed
4300 N. Prince
Clovis, NM 87101
Phone: 505-762-4799

C A Environmental & Construction Service
28 5 Acres Bag @ 52.85 Bulk Pounds
1 - 3 Acres Bag @ 19.82 Bulk Pounds
Custom Mix

Low: MLH(29)

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Sacwan Not Stated	New Mexico	15.43%	98.00%	00.00%	98.00%	01/08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	01/07	143.00
Siderox Grime Vaughn	Texas	35.68%	77.00%	05.00%	82.00%	01/08	429.00

Other Crop: 00.23%
Weed Seed: 00.35%
Inert Matter: 11.30%

There Are 29 Bags For This Mix
This Bag Weighs 32.85 Bulk Pounds
Use This Bag Pfr 5 Acres

Total Bulk Pounds: 950.62

Curtis & Curtis Seed
4500 N. Prince
Clovis, NM 88101
Phone: 505-763-4756

CA Environmental & Construction Services
26 - 5 Acres Bag @ 32.55 Bulk Pounds
1 - 5 Acres Bag @ 19.82 Bulk Pounds
Custom Mix

LUM, M 8129

Name	Origin	Purity	Corn	Uremid	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Suction Not Sorted	New Mexico	15.33%	98.10%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Sorted	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	145.00
Silicon Chama Vaughn	Texas	58.58%	77.00%	05.00%	82.00%	02.08	429.00
Other Crop: 00.25%	There Are 29 Bags For This Mix				Total Bulk Pounds: 959.62		
Weed Seed: 00.35%	This Bag Weighs 32.85 Bulk Pounds						
Inert Matter: 11.50%	Use This Bag For 5 Acres						

Curtis & Curtis Seed
4300 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot# M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Selenon Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	143.00
Sidcoats Grains Vaughn	Texas	55.68%	77.00%	05.00%	82.00%	02.08	429.00

Other Crop: 00.23% There Are 29 Bags For This Mix
Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds
Inert Matter: 11.30% Use This Bag For 5 Acres

Total Bulk Pounds: 939.62

Curtis & Curtis Seed
4300 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot# M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Selenon Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	143.00
Sidcoats Grains Vaughn	Texas	55.68%	77.00%	05.00%	82.00%	02.08	429.00

Other Crop: 00.23% There Are 29 Bags For This Mix
Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds
Inert Matter: 11.30% Use This Bag For 5 Acres

Total Bulk Pounds: 939.6

Curtis & Curtis Seed
4300 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot# M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Selenon Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	143.00
Sidcoats Grains Vaughn	Texas	55.68%	77.00%	05.00%	82.00%	02.08	429.00

Other Crop: 00.23% There Are 29 Bags For This Mix
Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds
Inert Matter: 11.30% Use This Bag For 5 Acres

Total Bulk Pounds: 939.62

Curtis & Curtis Seed
4300 N. Prince
Clovis, NM 88101
Phone: 505-762-4759

C A Environmental & Construction Service
28 - 5 Acre Bags @ 32.85 Bulk Pounds
1 - 3 Acre Bag @ 19.82 Bulk Pounds
Custom Mix

Lot# M-8125

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date	Total PLS Pounds
Alkali Selenon Not Stated	New Mexico	15.53%	98.00%	00.00%	98.00%	01.08	143.00
Sand Dropped Not Stated	Kansas	16.91%	73.00%	17.00%	90.00%	11.07	143.00
Sidcoats Grains Vaughn	Texas	55.68%	77.00%	05.00%	82.00%	02.08	429.00

Other Crop: 00.23% There Are 29 Bags For This Mix
Weed Seed: 00.35% This Bag Weighs 32.85 Bulk Pounds
Inert Matter: 11.30% Use This Bag For 5 Acres

Total Bulk Pounds: 939.6


ATTACHMENT 4
SURVEY DRAWINGS AND LEGAL DESCRIPTIONS

QUARRELL SURVEYING INC.

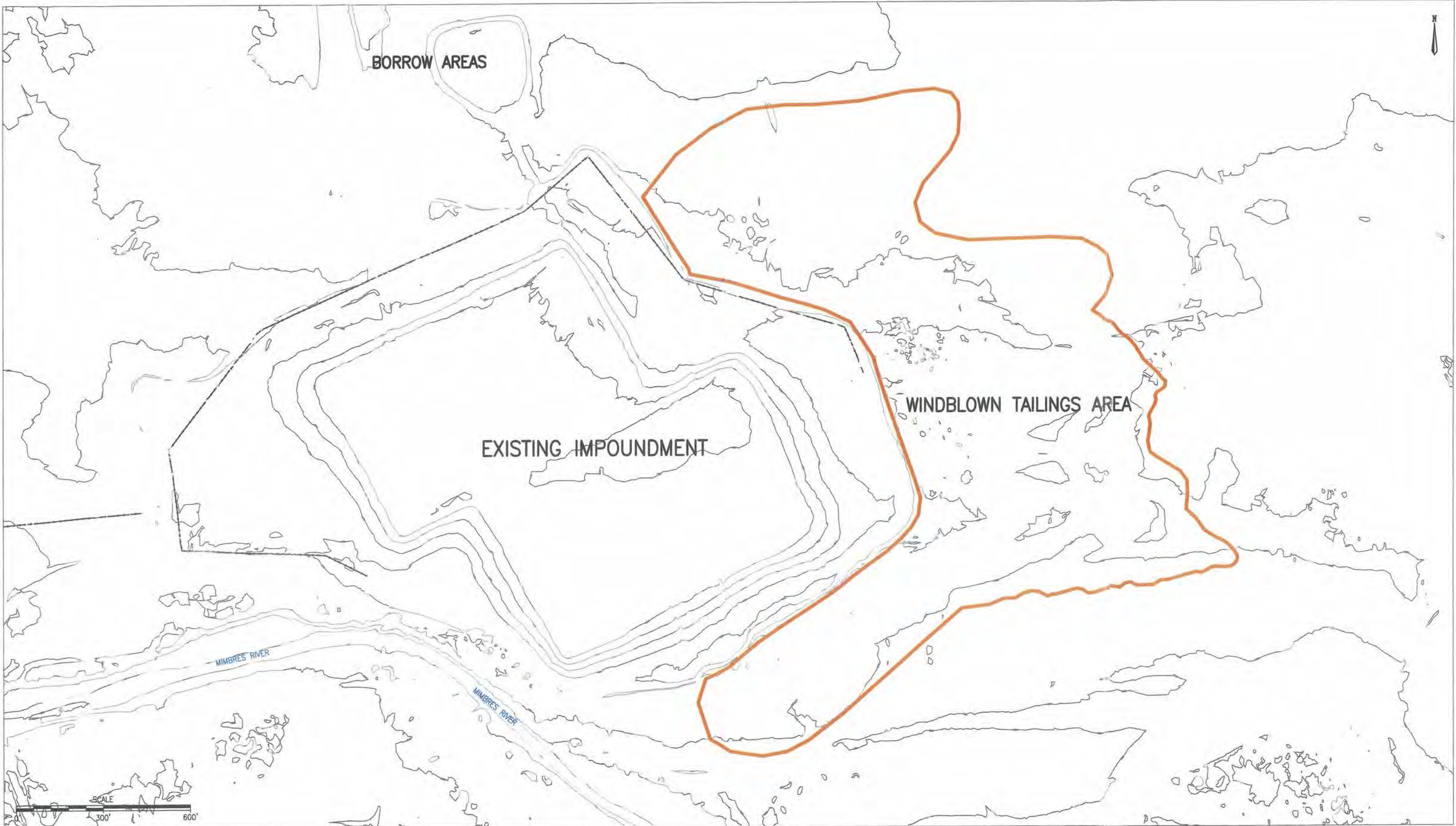
913 S. DIAMOND AVE.
DEMING, NEW MEXICO 88030
(575)-546-8021

To Whom It May Concern:

I Frank L. Quarrell, a registered Land Surveyor in the state of New Mexico, hereby certify that all computed volumes and or quantities were based on actual topographic surveys performed by me or under my direct supervision. All computations are true and correct to the best of my knowledge and belief.


PROFESSIONAL LAND SURVEYOR NO. 9829






LEGEND

- EXISTING GRADE MAJOR AND MINOR CONTOURS (1' AND 5')
- EXISTING FENCE

1. THE INFORMATION PRESENTED HEREIN IS CONFIDENTIAL IN NATURE AND IS NOT TO BE REPRODUCED OR RE-USED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF ENTACT.
2. AS-BUILT TOPOGRAPHIC SURVEY DATA PROVIDED BY QUERRELL SURVEYING, DEMING, NM.
3. EXISTING GRADE CONTOUR INFORMATION PROVIDED BY ASARCO.

				ENTACT & ASSOCIATES, LLC 1010 DEMING DRIVE, SUITE 200 DEMING, NEW MEXICO 88801 P: 505-350-8237 F: 505-888-0853				 ENTACT				DEMING MILL DEMING, NEW MEXICO			
								EXISTING CONDITIONS							
DESIGNED BY				JW				5/17/07				CHECKED BY			
DRAWN BY				MMC				6/9/08				APPROVED BY			
SCALE:				PROJECT NO.				DRAWING NO.				REVISION NO.			
1				HZ=1"=300'				---				1			
DATE	BY	CHK'D	APR'D	REVISIONS				NO							

BORROW AREA

FINAL BINDER/WRAP TAILINGS
REMOVAL AREA BOUNDARY

REPAIRED BERM ALIGNMENT

NEW BERM ALIGNMENT

MIMBRES RIVER

MIMBRES RIVER



LEGEND

- EXISTING GRADE MAJOR AND MINOR CONTOURS (1' AND 5')
- FINAL GRADE (TOP OF COVER SOIL) AS-BUILT CONTOURS (1' AND 5')
- COVER SOIL THICKNESS VERIFICATION LOCATION (SEE TABLE FOR AS-BUILT DATA)
- 6-9" DIA. RIP RAP PLACEMENT AREAS
- EXISTING FENCE
- D58 GROUTED RIP RAP PLACEMENT AREAS
- HIGH POINT

1. THE INFORMATION PRESENTED HEREIN IS CONFIDENTIAL IN NATURE AND IS NOT TO BE REPRODUCED OR RE-USED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF ENTACT.
2. AS-BUILT TOPOGRAPHIC SURVEY DATA PROVIDED BY QUERRELL SURVEYING, DEMING, NM.
3. EXISTING GRADE CONTOUR INFORMATION PROVIDED BY ASARC.



ENTACT & ASSOCIATES, LLC
1010 EXECUTIVE COURT, SUITE 200
WESTMONT, ILLINOIS 60090
P. 800-330-0237 F. 800-986-0083



DEMING MILL
DEMING, NEW MEXICO

IMPOUNDMENT FINAL COVER SYSTEM
AS-BUILT

DESIGNED BY	JW	5/17/07	CHECKED BY	JW	6/9/08
DRAWN BY	MMC	6/9/08	APPROVED BY	JW	6/9/08
SCALE:	HZ=1"=300'				
PROJECT NO.	---				
DRAWING NO.	3				
REVISION NO.	1				

12/16/08	MMC	JW	JW	UPDATED CONTOURS TO REFLECT POST-O&M REPAIR TOPOGRAPHY	1
DATE	BY	CHK'D	APR'D	REVISIONS	NO



TABLE 1
Former Deming Mill Inboundment Closure Cover Soil Placement Thickness Verification
Deming, New Mexico
Revised 12-15-08 (after O&M Repairs)

TYPE	POINT #	NORTHING (USFT)	EASTING (USFT)	ELEVATION (MSL FT)	CODE	FINES LAYER THICKNESS (FT)	GRAVEL MIX THICKNESS (FT)	TOTAL COVER THICKNESS (FT)
SG-AS-BUILT	10107	469894.253	2737274.686	4379.222	SG-ASB			
FINES-AS-BUILT	3107	469894.433	2737274.686	4381.247	2SLOPE	2.025	0.520	2.545
FG-AS-BUILT	2107	469894.253	2737274.686	4381.767	F-SLOPE			
SG-AS-BUILT	10108	469987.395	2737222.445	4379.190	SG-ASB			
FINES-AS-BUILT	3108	469987.575	2737222.445	4381.650	2SLOPE	2.460	0.520	2.980
FG-AS-BUILT	2108	469987.395	2737222.445	4382.170	F-SLOPE			
SG-AS-BUILT	10111	470112.761	2737246.623	4378.594	SG-ASB			
FINES-AS-BUILT	3111	470112.941	2737246.623	4380.824	2SLOPE	2.230	0.520	2.750
FG-AS-BUILT	2111	470112.761	2737246.623	4381.344	F-SLOPE			
SG-AS-BUILT	10113	470201.891	2737431.020	4379.857	SG-ASB			
FINES-AS-BUILT	3113	470201.891	2737431.020	4382.477	2SLOPE	2.620	0.520	3.140
FG-AS-BUILT	2113	470201.711	2737431.020	4382.997	F-SLOPE			
SG-AS-BUILT	10115	470290.183	2737619.891	4378.820	SG-ASB			
FINES-AS-BUILT	3115	470290.183	2737619.891	4380.847	2SLOPE	2.027	0.520	2.547
FG-AS-BUILT	2115	470290.003	2737619.891	4381.367	F-SLOPE			
SG-AS-BUILT	10120	470390.663	2737846.168	4378.859	SG-ASB			
FINES-AS-BUILT	3120	470390.663	2737846.168	4380.586	2SLOPE	1.726	0.770	2.496
FG-AS-BUILT	2120	470390.483	2737846.168	4381.356	F-SLOPE			
SG-AS-BUILT	10122	470476.439	2738029.718	4378.976	SG-ASB			
FINES-AS-BUILT	3122	470476.439	2738029.718	4381.299	2SLOPE	2.323	0.520	2.843
FG-AS-BUILT	2122	470476.259	2738029.718	4381.819	F-SLOPE			
SG-AS-BUILT	10127	470432.884	2738244.798	4376.061	SG-ASB			
FINES-AS-BUILT	3127	470433.064	2738244.798	4378.633	2SLOPE	2.572	0.520	3.092
FG-AS-BUILT	2127	470432.884	2738244.798	4379.153	F-SLOPE			
SG-AS-BUILT	10129	470252.928	2738326.908	4379.632	SG-ASB			
FINES-AS-BUILT	3129	470253.108	2738326.908	4381.708	2SLOPE	2.076	0.520	2.596
FG-AS-BUILT	2129	470252.928	2738326.908	4382.228	F-SLOPE			
SG-AS-BUILT	10131	470071.685	2738404.686	4381.734	SG-ASB			
FINES-AS-BUILT	3131	470071.685	2738404.686	4383.986	2SLOPE	2.253	0.520	2.773
FG-AS-BUILT	2131	470071.505	2738404.686	4384.506	F-SLOPE			
SG-AS-BUILT	10134	470074.123	2738590.336	4381.685	SG-ASB			
FINES-AS-BUILT	3134	470074.303	2738590.336	4383.037	2SLOPE	1.352	1.120	2.472
FG-AS-BUILT	2134	470074.123	2738590.336	4384.157	F-SLOPE			
SG-AS-BUILT	10136	470135.927	2738763.747	4377.490	SG-ASB			
FINES-AS-BUILT	3136	470135.927	2738763.747	4380.039	2SLOPE	2.550	0.520	3.070
FG-AS-BUILT	2136	470135.747	2738763.747	4380.559	F-SLOPE			
SG-AS-BUILT	10138	470015.154	2738852.649	4381.705	SG-ASB			
FINES-AS-BUILT	3138	470015.154	2738852.649	4384.406	2SLOPE	2.700	0.520	3.220
FG-AS-BUILT	2138	470014.974	2738852.649	4384.926	F-SLOPE			
SG-AS-BUILT	10140	469839.768	2738935.261	4383.380	SG-ASB			
FINES-AS-BUILT	3140	469839.768	2738935.261	4385.753	2SLOPE	2.373	0.520	2.893
FG-AS-BUILT	2140	469839.588	2738935.261	4386.273	F-SLOPE			
SG-AS-BUILT	10142	469680.731	2739061.463	4377.748	SG-ASB			
FINES-AS-BUILT	3142	469680.731	2739061.463	4380.109	2SLOPE	2.360	0.520	2.880
FG-AS-BUILT	2142	469680.551	2739061.463	4380.629	F-SLOPE			
SG-AS-BUILT	10147	469413.629	2739012.453	4375.041	SG-ASB			
FINES-AS-BUILT	3147	469413.809	2739012.453	4377.453	2SLOPE	2.411	0.520	2.931
FG-AS-BUILT	2147	469413.629	2739012.453	4377.973	F-SLOPE			
SG-AS-BUILT	10149	469313.039	2738829.341	4373.473	SG-ASB			
FINES-AS-BUILT	3149	469313.039	2738829.341	4375.855	2SLOPE	2.382	0.520	2.902
FG-AS-BUILT	2149	469312.859	2738829.341	4376.375	F-SLOPE			
SG-AS-BUILT	10156	469144.964	2738487.546	4375.704	SG-ASB			
FINES-AS-BUILT	3156	469145.144	2738487.546	4378.122	2SLOPE	2.418	0.520	2.938
FG-AS-BUILT	2156	469144.964	2738487.546	4378.642	F-SLOPE			
SG-AS-BUILT	10158	469058.023	2738274.565	4374.718	SG-ASB			
FINES-AS-BUILT	3158	469058.203	2738274.565	4376.771	2SLOPE	2.053	0.520	2.573
FG-AS-BUILT	2158	469058.023	2738274.565	4377.291	F-SLOPE			
SG-AS-BUILT	10163	469077.452	2738099.857	4373.745	SG-ASB			
FINES-AS-BUILT	3163	469077.452	2738099.857	4375.338	2SLOPE	1.593	0.992	2.585
FG-AS-BUILT	2163	469077.272	2738099.857	4376.330	F-SLOPE			
SG-AS-BUILT	10166	469285.828	2737916.131	4378.534	SG-ASB			
FINES-AS-BUILT	3166	469286.008	2737916.131	4380.579	2SLOPE	2.044	0.520	2.564
FG-AS-BUILT	2166	469285.828	2737916.131	4381.099	F-SLOPE			
SG-AS-BUILT	10168	469448.576	2737833.701	4378.819	SG-ASB			
FINES-AS-BUILT	3168	469448.576	2737833.701	4380.313	2SLOPE	1.494	1.010	2.504
FG-AS-BUILT	2168	469448.396	2737833.701	4381.323	F-SLOPE			
SG-AS-BUILT	10171	469467.463	2737674.650	4380.818	SG-ASB			
FINES-AS-BUILT	3171	469467.463	2737674.650	4382.670	2SLOPE	1.852	0.520	2.372
FG-AS-BUILT	2171	469467.283	2737674.650	4383.190	F-SLOPE			
SG-AS-BUILT	10173	469484.424	2737556.990	4379.412	SG-ASB			
FINES-AS-BUILT	3173	469484.604	2737556.990	4381.218	2SLOPE	1.805	0.720	2.525
FG-AS-BUILT	2173	469484.424	2737556.990	4381.938	F-SLOPE			
SG-AS-BUILT	10175	469658.614	2737459.883	4381.739	SG-ASB			
FINES-AS-BUILT	3175	469658.614	2737459.883	4383.486	2SLOPE	1.746	0.770	2.516
FG-AS-BUILT	2175	469658.434	2737459.883	4384.256	F-SLOPE			
SG-AS-BUILT	10176	469764.697	2737389.697	4380.905	SG-ASB			
FINES-AS-BUILT	3176	469764.877	2737389.697	4383.195	2SLOPE	2.290	0.520	2.810
FG-AS-BUILT	2176	469764.697	2737389.697	4383.715	F-SLOPE			

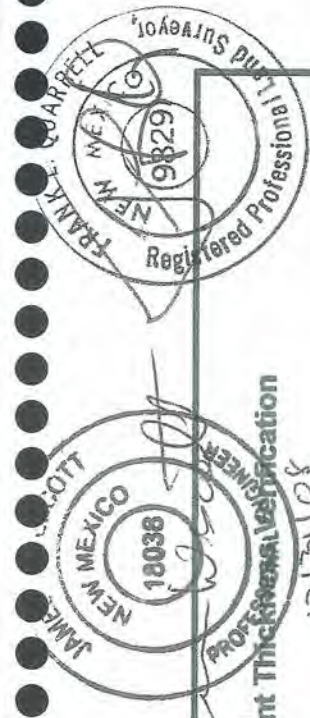


TABLE 1
Former Deming Mill Imoundment Closure Cover Soil Placement Thickness Verification
Deming, New Mexico
Revised 12-15-08 (after O&M Repairs)

TYPE	POINT #	NORTHING (USFT)	EASTING (USFT)	ELEVATION (MSL FT)	CODE	FINES LAYER THICKNESS (FT)	GRAVEL MIX THICKNESS (FT)	TOTAL COVER THICKNESS (FT)
SG-AS-BUILT	10211	470039.027	2738727.529	4394.369	RIM			
FINES-AS-BUILT	3211	470033.267	2738728.682	4396.056	2RIM	1.686	0.820	2.506
FG-AS-BUILT	2211	470033.087	2738728.682	4396.876	F-RIM			
SG-AS-BUILT	10251	470062.133	2737429.427	4388.262	SG-ABS			
FINES-AS-BUILT	3251	470062.049	2737428.783	4390.455	2GND	2.193	0.520	2.713
FG-AS-BUILT	2251	470061.869	2737428.783	4390.975	F-GND			
SG-AS-BUILT	10252	470101.895	2737522.007	4388.669	SG-ABS			
FINES-AS-BUILT	3252	470101.162	2737521.040	4390.590	2GND	1.920	0.520	2.440
FG-AS-BUILT	2252	470100.982	2737521.040	4391.110	F-GND			
SG-AS-BUILT	10253	470140.445	2737613.496	4388.749	SG-ABS			
FINES-AS-BUILT	3253	470140.359	2737612.843	4390.678	2GND	1.929	0.520	2.449
FG-AS-BUILT	2253	470140.179	2737612.843	4391.198	F-GND			
SG-AS-BUILT	10254	470179.679	2737705.701	4389.003	SG-ABS			
FINES-AS-BUILT	3254	470179.906	2737704.737	4390.753	2GND	1.751	0.770	2.521
FG-AS-BUILT	2254	470179.726	2737704.737	4391.523	F-GND			
SG-AS-BUILT	10270	470254.412	2737889.227	4388.581	SG-ABS			
FINES-AS-BUILT	3270	470258.161	2737888.777	4390.838	2GND	2.257	0.520	2.777
FG-AS-BUILT	2270	470257.981	2737888.777	4391.358	F-GND			
SG-AS-BUILT	10271	470294.889	2737980.635	4388.656	SG-ABS			
FINES-AS-BUILT	3271	470297.316	2737981.080	4390.907	2GND	2.251	0.520	2.771
FG-AS-BUILT	2271	470297.136	2737981.080	4391.427	F-GND			
SG-AS-BUILT	10272	470336.234	2738072.989	4388.326	SG-ABS			
FINES-AS-BUILT	3272	470336.761	2738072.826	4390.792	2GND	2.466	0.520	2.986
FG-AS-BUILT	2272	470336.581	2738072.826	4391.312	F-GND			
SG-AS-BUILT	10273	470376.276	2738162.718	4388.335	SG-ABS			
FINES-AS-BUILT	3273	470375.994	2738164.825	4389.926	2GND	1.591	0.920	2.511
FG-AS-BUILT	2273	470375.814	2738164.825	4390.846	F-GND			
SG-AS-BUILT	10274	470284.464	2738204.002	4388.950	SG-ABS			
FINES-AS-BUILT	3274	470283.669	2738203.838	4391.630	2GND	2.680	0.520	3.200
FG-AS-BUILT	2274	470283.489	2738203.838	4392.150	F-GND			
SG-AS-BUILT	10275	470244.687	2738111.284	4389.545	SG-ABS			
FINES-AS-BUILT	3275	470244.452	2738112.087	4391.935	2GND	2.391	0.520	2.911
FG-AS-BUILT	2275	470244.272	2738112.087	4392.455	F-GND			
SG-AS-BUILT	10276	470205.527	2738019.981	4390.475	SG-ABS			
FINES-AS-BUILT	3276	470205.356	2738019.839	4392.054	2GND	1.579	0.920	2.499
FG-AS-BUILT	2276	470205.176	2738019.839	4392.974	F-GND			
SG-AS-BUILT	10277	470165.852	2737927.111	4390.331	SG-ABS			
FINES-AS-BUILT	3277	470166.113	2737928.220	4392.458	2GND	2.127	0.520	2.647
FG-AS-BUILT	2277	470165.933	2737928.220	4392.978	F-GND			
SG-AS-BUILT	10278	470126.632	2737834.850	4390.069	SG-ABS			
FINES-AS-BUILT	3278	470126.732	2737836.027	4391.691	2GND	1.621	0.880	2.501
FG-AS-BUILT	2278	470126.552	2737836.027	4392.571	F-GND			
SG-AS-BUILT	10279	470088.029	2737744.310	4390.015	SG-ABS			
FINES-AS-BUILT	3279	470087.456	2737744.101	4392.183	2GND	2.168	0.520	2.688
FG-AS-BUILT	2279	470087.276	2737744.101	4392.703	F-GND			
SG-AS-BUILT	10280	470009.671	2737560.252	4389.846	SG-ABS			
FINES-AS-BUILT	3280	470009.635	2737560.087	4391.902	2GND	2.056	0.520	2.576
FG-AS-BUILT	2280	470009.455	2737560.087	4392.422	F-GND			
SG-AS-BUILT	10281	469972.505	2737467.142	4389.248	SG-ABS			
FINES-AS-BUILT	3281	469970.278	2737468.132	4391.565	2GND	2.316	0.520	2.836
FG-AS-BUILT	2281	469970.098	2737468.132	4392.085	F-GND			
SG-AS-BUILT	10282	469877.825	2737507.422	4391.045	SG-ABS			
FINES-AS-BUILT	3282	469877.977	2737507.371	4392.844	2GND	1.799	0.720	2.519
FG-AS-BUILT	2282	469877.797	2737507.371	4393.564	F-GND			
SG-AS-BUILT	10283	469917.187	2737599.478	4391.288	SG-ABS			
FINES-AS-BUILT	3283	469917.399	2737599.568	4392.962	2GND	1.674	0.830	2.504
FG-AS-BUILT	2283	469917.219	2737599.568	4393.792	F-GND			
SG-AS-BUILT	10284	469956.044	2737691.473	4391.533	SG-ABS			
FINES-AS-BUILT	3284	469956.360	2737691.561	4393.126	2GND	1.593	0.900	2.493
FG-AS-BUILT	2284	469956.180	2737691.561	4394.026	F-GND			
SG-AS-BUILT	10285	469995.354	2737783.342	4391.530	SG-ABS			
FINES-AS-BUILT	3285	469995.567	2737783.394	4393.245	2GND	1.715	0.770	2.485
FG-AS-BUILT	2285	469995.387	2737783.394	4394.015	F-GND			
SG-AS-BUILT	10286	470073.714	2737967.278	4391.689	SG-ABS			
FINES-AS-BUILT	3286	470073.698	2737967.377	4393.322	2GND	1.633	0.900	2.533
FG-AS-BUILT	2286	470073.518	2737967.377	4394.222	F-GND			
SG-AS-BUILT	10287	470112.964	2738058.660	4391.580	SG-ABS			
FINES-AS-BUILT	3287	470113.615	2738059.194	4393.379	2GND	1.798	0.720	2.518
FG-AS-BUILT	2287	470113.435	2738059.194	4394.099	F-GND			
SG-AS-BUILT	10288	470152.233	2738150.740	4390.844	SG-ABS			
FINES-AS-BUILT	3288	470152.339	2738151.413	4393.416	2GND			
FG-AS-BUILT	2288	470152.159	2738151.413	4393.936	F-GND			
SG-AS-BUILT	10289	470191.316	2738243.112	4390.634	SG-ABS			
FINES-AS-BUILT	3289	470191.759	2738243.378	4393.025	2GND	2.573	0.520	3.092
FG-AS-BUILT	2289	470191.579	2738243.378	4393.545	F-GND	2.391	0.520	2.911



TABLE 1

TYPE	POINT #	NORTHING (USFT)	EASTING (USFT)	ELEVATION (MSL FT)	CODE	FINES LAYER THICKNESS (FT)	GRAVEL MIX THICKNESS (FT)	TOTAL COVER THICKNESS (FT)
SG-AS-BUILT	10290	470099.743	2738282.387	4391.890	SG-ABS	2.505	0.520	3.025
FINES-AS-BUILT	3290	470099.849	2738282.476	4394.395	2GND			
FG-AS-BUILT	2290	470099.669	2738282.476	4394.915	F-GND			
SG-AS-BUILT	10291	470060.820	2738190.254	4392.472	SG-ABS	2.377	0.520	2.897
FINES-AS-BUILT	3291	470060.833	2738190.745	4394.849	2GND			
FG-AS-BUILT	2291	470060.653	2738190.745	4395.369	F-GND			
SG-AS-BUILT	10292	470021.392	2738098.259	4392.162	SG-ABS	2.591	0.520	3.111
FINES-AS-BUILT	3292	470021.420	2738098.466	4394.753	2GND			
FG-AS-BUILT	2292	470021.240	2738098.466	4395.273	F-GND			
SG-AS-BUILT	10293	469982.193	2738006.254	4392.727	SG-ABS	1.993	0.520	2.513
FINES-AS-BUILT	3293	469982.181	2738006.301	4394.720	2GND			
FG-AS-BUILT	2293	469982.001	2738006.301	4395.240	F-GND			
SG-AS-BUILT	10294	469943.138	2737914.295	4392.746	SG-ABS	2.131	0.520	2.650
FINES-AS-BUILT	3294	469943.200	2737913.860	4394.877	2GND			
FG-AS-BUILT	2294	469943.020	2737913.860	4395.397	F-GND			
SG-AS-BUILT	10295	469903.372	2737821.956	4392.443	SG-ABS	2.116	0.520	2.636
FINES-AS-BUILT	3295	469903.650	2737822.194	4394.559	2GND			
FG-AS-BUILT	2295	469903.470	2737822.194	4395.079	F-GND			
SG-AS-BUILT	10296	469864.665	2737730.414	4392.276	SG-ABS	2.399	0.520	2.919
FINES-AS-BUILT	3296	469864.816	2737730.393	4394.674	2GND			
FG-AS-BUILT	2296	469864.636	2737730.393	4395.194	F-GND			
SG-AS-BUILT	10297	469825.601	2737638.344	4392.085	SG-ABS	2.309	0.520	2.829
FINES-AS-BUILT	3297	469825.554	2737638.537	4394.394	2GND			
FG-AS-BUILT	2297	469825.374	2737638.537	4394.914	F-GND			
SG-AS-BUILT	10298	469786.317	2737546.289	4391.986	SG-ABS	2.020	0.520	2.540
FINES-AS-BUILT	3298	469786.132	2737546.332	4394.006	2GND			
FG-AS-BUILT	2298	469785.952	2737546.332	4394.526	F-GND			
SG-AS-BUILT	10299	469693.767	2737585.688	4393.299	SG-ABS	2.577	0.520	3.097
FINES-AS-BUILT	3299	469694.118	2737585.695	4395.877	2GND			
FG-AS-BUILT	2299	469693.938	2737585.695	4396.397	F-GND			
SG-AS-BUILT	10300	469732.993	2737677.941	4393.460	SG-ABS	2.675	0.520	3.195
FINES-AS-BUILT	3300	469733.775	2737677.825	4396.135	2GND			
FG-AS-BUILT	2300	469733.595	2737677.825	4396.655	F-GND			
SG-AS-BUILT	10301	469811.296	2737861.474	4393.886	SG-ABS	1.917	0.520	2.437
FINES-AS-BUILT	3301	469811.576	2737861.844	4395.802	2GND			
FG-AS-BUILT	2301	469811.396	2737861.844	4396.322	F-GND			
SG-AS-BUILT	10302	469850.133	2737953.608	4394.505	SG-ABS	1.782	0.720	2.502
FINES-AS-BUILT	3302	469851.338	2737954.089	4396.287	2GND			
FG-AS-BUILT	2302	469851.158	2737954.089	4397.007	F-GND			
SG-AS-BUILT	10303	469889.732	2738045.747	4394.204	SG-ABS	1.793	0.730	2.523
FINES-AS-BUILT	3303	469890.221	2738045.705	4395.996	2GND			
FG-AS-BUILT	2303	469890.041	2738045.705	4396.726	F-GND			
SG-AS-BUILT	10304	469929.038	2738137.561	4393.923	SG-ABS	1.954	0.520	2.474
FINES-AS-BUILT	3304	469929.513	2738137.473	4395.877	2GND			
FG-AS-BUILT	2304	469929.333	2738137.473	4396.397	F-GND			
SG-AS-BUILT	10305	469967.988	2738229.692	4393.766	SG-ABS	2.298	0.520	2.819
FINES-AS-BUILT	3305	469968.529	2738229.615	4396.064	2GND			
FG-AS-BUILT	2305	469968.349	2738229.615	4396.584	F-GND			
SG-AS-BUILT	10306	470007.445	2738321.464	4393.541	SG-ABS	2.309	0.520	2.829
FINES-AS-BUILT	3306	470007.751	2738321.801	4395.850	2GND			
FG-AS-BUILT	2306	470007.571	2738321.801	4396.370	F-GND			
SG-AS-BUILT	10307	469915.353	2738360.714	4394.990	SG-ABS	2.046	0.520	2.566
FINES-AS-BUILT	3307	469915.465	2738360.554	4397.036	2GND			
FG-AS-BUILT	2307	469915.285	2738360.554	4397.556	F-GND			
SG-AS-BUILT	10308	469876.195	2738268.850	4394.713	SG-ABS	2.333	0.520	2.852
FINES-AS-BUILT	3308	469876.649	2738269.322	4397.045	2GND			
FG-AS-BUILT	2308	469876.469	2738269.322	4397.565	F-GND			
SG-AS-BUILT	10309	469837.117	2738176.813	4394.718	SG-ABS	2.190	0.520	2.710
FINES-AS-BUILT	3309	469837.382	2738176.664	4396.908	2GND			
FG-AS-BUILT	2309	469837.202	2738176.664	4397.428	F-GND			
SG-AS-BUILT	10310	469797.896	2738084.906	4394.802	SG-ABS	2.075	0.520	2.595
FINES-AS-BUILT	3310	469798.113	2738084.768	4396.878	2GND			
FG-AS-BUILT	2310	469797.933	2738084.768	4397.398	F-GND			
SG-AS-BUILT	10311	469758.549	2737992.951	4395.324	SG-ABS	1.864	0.670	2.534
FINES-AS-BUILT	3311	469758.944	2737992.897	4397.188	2GND			
FG-AS-BUILT	2311	469758.764	2737992.897	4397.858	F-GND			
SG-AS-BUILT	10312	469719.600	2737900.856	4395.177	SG-ABS	2.163	0.520	2.683
FINES-AS-BUILT	3312	469719.957	2737900.978	4397.340	2GND			
FG-AS-BUILT	2312	469719.777	2737900.978	4397.860	F-GND			
SG-AS-BUILT	10313	469680.047	2737809.048	4395.034	SG-ABS	2.155	0.520	2.675
FINES-AS-BUILT	3313	469680.559	2737808.742	4397.189	2GND			
FG-AS-BUILT	2313	469680.379	2737808.742	4397.709	F-GND			
SG-AS-BUILT	10314	469641.021	2737716.673	4394.997	SG-ABS	2.124	0.520	2.644
FINES-AS-BUILT	3314	469641.509	2737716.577	4397.121	2GND			
FG-AS-BUILT	2314	469641.329	2737716.577	4397.641	F-GND			

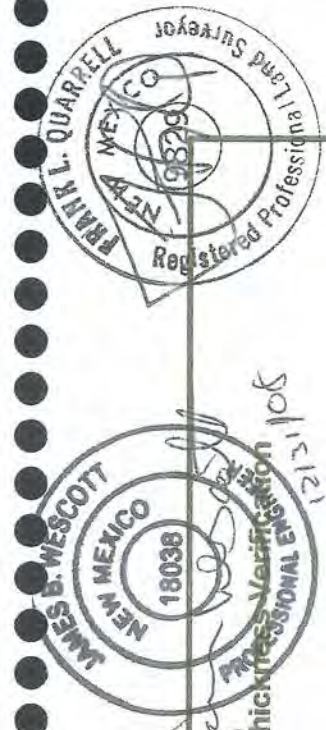
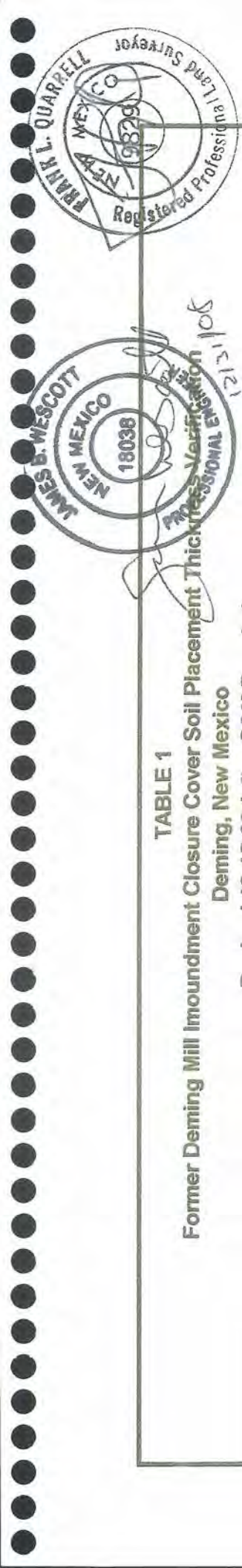


TABLE 1
Former Deming Mill Inboundment Closure Cover Soil Placement Thickness Verification
Deming, New Mexico
Revised 12-15-08 (after O&M Repairs)

TYPE	POINT #	NORTHING (USFT)	EASTING (USFT)	ELEVATION (MSL FT)	CODE	FINES LAYER THICKNESS (FT)	GRAVEL MIX THICKNESS (FT)	TOTAL COVER THICKNESS (FT)
SG-AS-BUILT	10370	470061.061	2737666.762	4389.505	TOS			
FINES-AS-BUILT	3370	470062.698	2737668.411	4391.889	TOS	2.384	0.520	2.904
FG-AS-BUILT	2370	470062.518	2737668.411	4392.409	TOS			
SG-AS-BUILT	10382	469627.603	2737940.051	4395.306	SG-ABS			
FINES-AS-BUILT	3382	469628.014	2737939.932	4397.460	2GND			
FG-AS-BUILT	2382	469627.834	2737939.932	4397.980	F-GND	2.154	0.520	2.674
SG-AS-BUILT	10385	469902.153	2738583.862	4395.119	SG-ABS			
FINES-AS-BUILT	3385	469902.066	2738583.890	4397.120	2GND	2.000	0.570	2.570
FG-AS-BUILT	2385	469902.226	2738583.890	4397.690	F-GND			
SG-AS-BUILT	10386	469863.019	2738491.889	4395.042	SG-ABS			
FINES-AS-BUILT	3386	469862.931	2738491.917	4397.042	2GND	2.000	0.570	2.570
FG-AS-BUILT	2386	469863.091	2738491.917	4397.612	F-GND			
SG-AS-BUILT	10387	469823.834	2738399.941	4395.220	SG-ABS			
FINES-AS-BUILT	3387	469823.747	2738399.968	4397.221	2GND	2.000	0.570	2.570
FG-AS-BUILT	2387	469823.907	2738399.968	4397.791	F-GND			
SG-AS-BUILT	10388	469784.675	2738308.075	4394.981	SG-ABS			
FINES-AS-BUILT	3388	469784.587	2738308.102	4396.981	2GND	2.000	0.570	2.570
FG-AS-BUILT	2388	469784.747	2738308.102	4397.551	F-GND			
SG-AS-BUILT	10389	469745.232	2738215.825	4395.002	SG-ABS			
FINES-AS-BUILT	3389	469745.144	2738215.851	4397.003	2GND	2.000	0.570	2.570
FG-AS-BUILT	2389	469745.304	2738215.851	4397.573	F-GND			
SG-AS-BUILT	10390	469706.176	2738124.119	4395.254	SG-ABS			
FINES-AS-BUILT	3390	469706.089	2738124.146	4397.254	2GND	2.000	0.570	2.570
FG-AS-BUILT	2390	469706.249	2738124.146	4397.824	F-GND			
SG-AS-BUILT	10391	469666.800	2738032.057	4395.708	SG-ABS			
FINES-AS-BUILT	3391	469666.712	2738032.083	4397.708	2GND	2.000	0.570	2.570
FG-AS-BUILT	2391	469666.872	2738032.083	4398.278	F-GND			
SG-AS-BUILT	10393	469535.301	2737979.282	4394.252	SG-ABS			
FINES-AS-BUILT	3393	469535.213	2737979.308	4396.252	2GND	2.000	0.548	2.548
FG-AS-BUILT	2393	469535.373	2737979.308	4396.800	F-GND			
SG-AS-BUILT	10394	469574.526	2738071.160	4393.850	SG-ABS			
FINES-AS-BUILT	3394	469574.438	2738071.186	4395.850	2GND	2.000	0.570	2.570
FG-AS-BUILT	2394	469574.598	2738071.186	4396.420	F-GND			
SG-AS-BUILT	10395	469653.202	2738255.512	4394.027	SG-ABS			
FINES-AS-BUILT	3395	469653.114	2738255.539	4396.027	2GND	2.000	0.570	2.570
FG-AS-BUILT	2395	469653.274	2738255.539	4396.597	F-GND			
SG-AS-BUILT	10396	469691.740	2738347.608	4393.928	SG-ABS			
FINES-AS-BUILT	3396	469691.653	2738347.635	4395.928	2GND	2.000	0.570	2.570
FG-AS-BUILT	2396	469691.813	2738347.635	4396.498	F-GND			
SG-AS-BUILT	10397	469731.395	2738439.338	4394.040	SG-ABS			
FINES-AS-BUILT	3397	469731.308	2738439.366	4396.040	2GND	2.000	0.570	2.570
FG-AS-BUILT	2397	469731.468	2738439.366	4396.610	F-GND			
SG-AS-BUILT	10398	469770.569	2738531.374	4393.828	SG-ABS			
FINES-AS-BUILT	3398	469770.481	2738531.401	4395.828	2GND	2.000	0.570	2.570
FG-AS-BUILT	2398	469770.641	2738531.401	4396.398	F-GND			
SG-AS-BUILT	10399	469809.501	2738623.492	4394.342	SG-ABS			
FINES-AS-BUILT	3399	469809.414	2738623.520	4396.342	2GND	2.000	0.570	2.570
FG-AS-BUILT	2399	469809.574	2738623.520	4396.912	F-GND			
SG-AS-BUILT	10400	469849.223	2738715.144	4393.924	SG-ABS			
FINES-AS-BUILT	3400	469849.136	2738715.172	4395.925	2GND	2.000	0.570	2.570
FG-AS-BUILT	2400	469849.296	2738715.172	4396.495	F-GND			
SG-AS-BUILT	10401	469888.272	2738807.356	4393.505	SG-ABS			
FINES-AS-BUILT	3401	469888.185	2738807.384	4395.505	2GND	2.000	0.570	2.570
FG-AS-BUILT	2401	469888.345	2738807.384	4396.075	F-GND			
SG-AS-BUILT	10402	469797.388	2738846.424	4392.207	SG-ABS			
FINES-AS-BUILT	3402	469797.301	2738846.452	4394.207	2GND	2.000	0.570	2.570
FG-AS-BUILT	2402	469797.461	2738846.452	4394.777	F-GND			
SG-AS-BUILT	10403	469757.576	2738754.375	4392.797	SG-ABS			
FINES-AS-BUILT	3403	469757.489	2738754.403	4394.798	2GND	2.000	0.570	2.570
FG-AS-BUILT	2403	469757.649	2738754.403	4395.368	F-GND			
SG-AS-BUILT	10404	469718.076	2738662.370	4392.861	SG-ABS			
FINES-AS-BUILT	3404	469717.989	2738662.398	4394.861	2GND	2.000	0.570	2.570
FG-AS-BUILT	2404	469718.149	2738662.398	4395.431	F-GND			
SG-AS-BUILT	10405	469678.977	2738570.354	4392.284	SG-ABS			
FINES-AS-BUILT	3405	469678.889	2738570.381	4394.285	2GND	2.000	0.570	2.570
FG-AS-BUILT	2405	469679.049	2738570.381	4394.855	F-GND			
SG-AS-BUILT	10406	469639.510	2738478.300	4392.274	SG-ABS			
FINES-AS-BUILT	3406	469639.423	2738478.328	4394.274	2GND	2.000	0.570	2.570
FG-AS-BUILT	2406	469639.583	2738478.328	4394.844	F-GND			
SG-AS-BUILT	10408	469561.074	2738294.619	4392.833	SG-ABS			
FINES-AS-BUILT	3408	469560.986	2738294.646	4394.833	2GND	2.000	0.570	2.570
FG-AS-BUILT	2408	469561.146	2738294.646	4395.403	F-GND			
SG-AS-BUILT	10409	469521.072	2738202.213	4392.381	SG-ABS			
FINES-AS-BUILT	3409	469520.984	2738202.240	4394.381	2GND	2.000	0.570	2.570
FG-AS-BUILT	2409	469521.144	2738202.240	4394.951	F-GND			

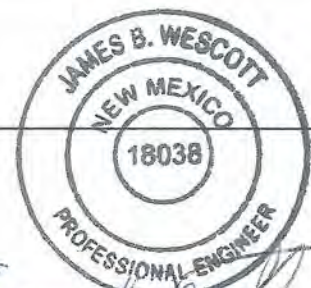
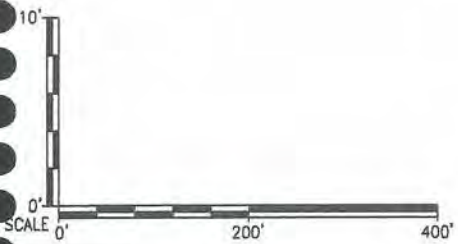
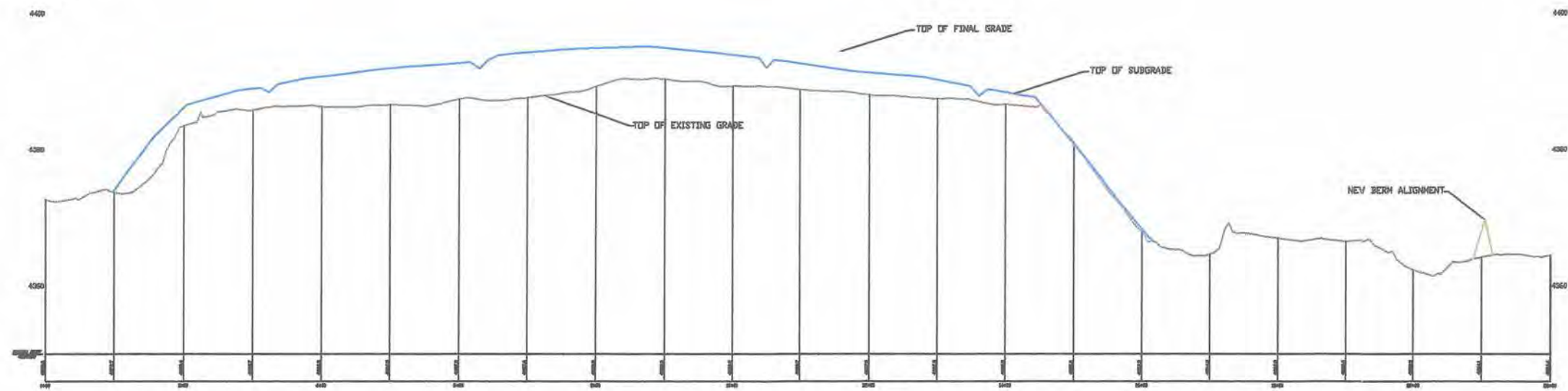
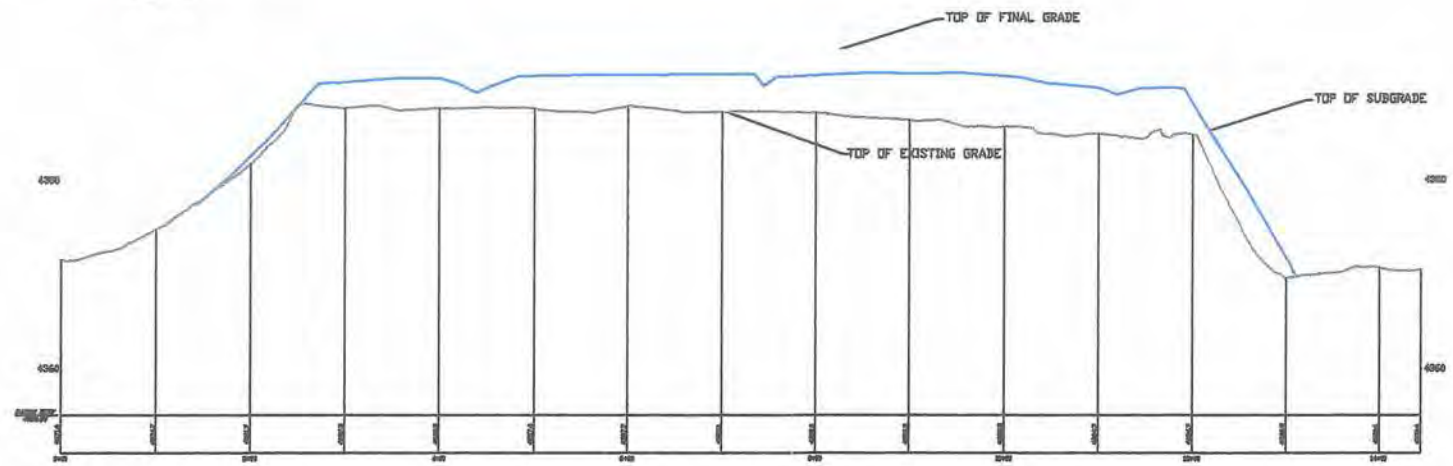
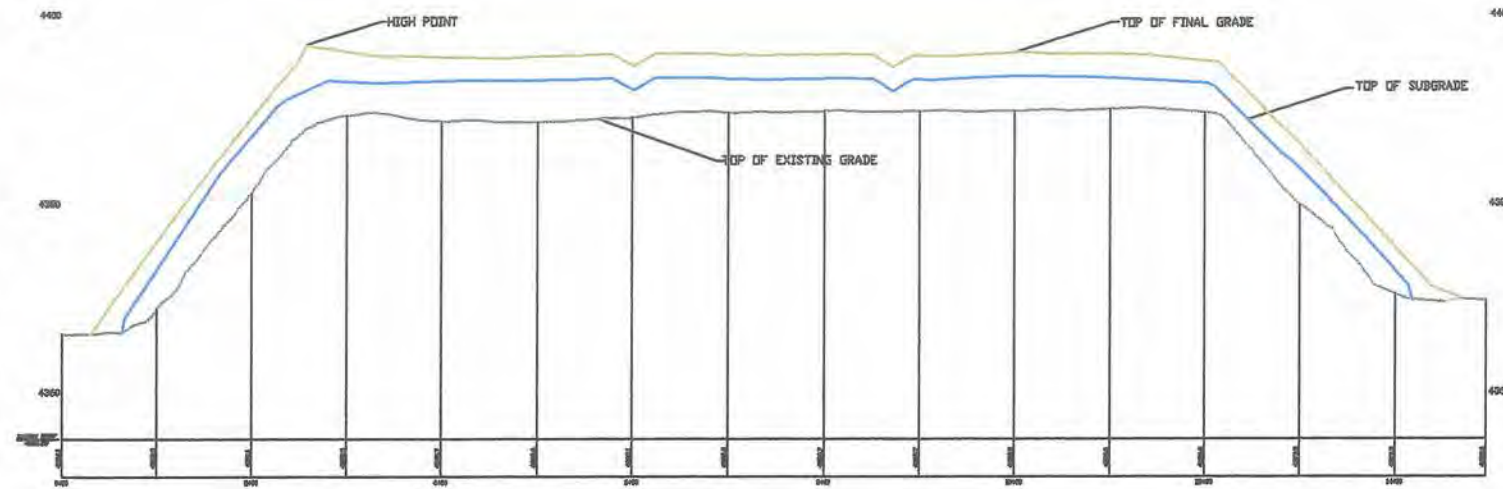


TYPE	POINT #	NORTHING (USFT)	EASTING (USFT)	ELEVATION (MSL FT)	CODE	FINES LAYER THICKNESS (FT)	GRAVEL MIX THICKNESS (FT)	TOTAL COVER THICKNESS (FT)
SG-AS-BUILT	10410	469482.525	2738110.583	4392.505	SG-ABS			
FINES-AS-BUILT	3410	469482.437	2738110.609	4394.506	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2410	469482.597	2738110.609	4395.076	F-GND			
SG-AS-BUILT	10411	469443.521	2738018.443	4392.320	SG-ABS			
FINES-AS-BUILT	3411	469443.433	2738018.469	4394.321	2-GND	2.000	1.089	3.090
FG-AS-BUILT	2411	469443.593	2738018.469	4395.410	F-GND			
SG-AS-BUILT	10412	469351.310	2738057.635	4390.773	SG-ABS			
FINES-AS-BUILT	3412	469351.222	2738057.661	4392.774	2-GND	2.000	0.670	2.670
FG-AS-BUILT	2412	469351.382	2738057.661	4393.444	F-GND			
SG-AS-BUILT	10413	469390.608	2738149.797	4391.270	SG-ABS			
FINES-AS-BUILT	3413	469390.520	2738149.823	4393.270	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2413	469390.680	2738149.823	4393.840	F-GND			
SG-AS-BUILT	10414	469429.823	2738241.952	4391.062	SG-ABS			
FINES-AS-BUILT	3414	469429.735	2738241.979	4393.062	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2414	469429.895	2738241.979	4393.632	F-GND			
SG-AS-BUILT	10415	469468.808	2738333.604	4391.316	SG-ABS			
FINES-AS-BUILT	3415	469468.720	2738333.631	4393.317	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2415	469468.880	2738333.631	4393.887	F-GND			
SG-AS-BUILT	10416	469508.166	2738425.685	4391.510	SG-ABS			
FINES-AS-BUILT	3416	469508.078	2738425.712	4393.510	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2416	469508.238	2738425.712	4394.080	F-GND			
SG-AS-BUILT	10417	469547.400	2738517.547	4391.404	SG-ABS			
FINES-AS-BUILT	3417	469547.312	2738517.575	4393.404	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2417	469547.472	2738517.575	4393.974	F-GND			
SG-AS-BUILT	10418	469586.474	2738609.746	4390.917	SG-ABS			
FINES-AS-BUILT	3418	469586.386	2738609.773	4392.917	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2418	469586.546	2738609.773	4393.487	F-GND			
SG-AS-BUILT	10419	469625.708	2738701.290	4391.084	SG-ABS			
FINES-AS-BUILT	3419	469625.621	2738701.318	4393.085	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2419	469625.781	2738701.318	4393.655	F-GND			
SG-AS-BUILT	10420	469665.151	2738793.590	4390.452	SG-ABS			
FINES-AS-BUILT	3420	469665.064	2738793.617	4392.452	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2420	469665.224	2738793.617	4393.022	F-GND			
SG-AS-BUILT	10421	469702.781	2738886.185	4390.000	SG-ABS			
FINES-AS-BUILT	3421	469702.694	2738886.213	4392.000	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2421	469702.854	2738886.213	4392.570	F-GND			
SG-AS-BUILT	10422	469813.627	2738927.175	4388.727	SG-ABS			
FINES-AS-BUILT	3422	469813.539	2738927.203	4390.727	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2422	469813.699	2738927.203	4391.297	F-GND			
SG-AS-BUILT	10423	469574.571	2738832.855	4389.625	SG-ABS			
FINES-AS-BUILT	3423	469574.483	2738832.883	4391.625	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2423	469574.643	2738832.883	4392.195	F-GND			
SG-AS-BUILT	10424	469533.839	2738741.146	4388.981	SG-ABS			
FINES-AS-BUILT	3424	469533.751	2738741.173	4390.982	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2424	469533.911	2738741.173	4391.552	F-GND			
SG-AS-BUILT	10425	469495.102	2738648.643	4390.147	SG-ABS			
FINES-AS-BUILT	3425	469495.014	2738648.670	4392.147	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2425	469495.174	2738648.670	4392.717	F-GND			
SG-AS-BUILT	10426	469455.853	2738556.689	4390.236	SG-ABS			
FINES-AS-BUILT	3426	469455.765	2738556.716	4392.236	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2426	469455.925	2738556.716	4392.806	F-GND			
SG-AS-BUILT	10427	469416.695	2738464.790	4390.470	SG-ABS			
FINES-AS-BUILT	3427	469416.607	2738464.818	4392.470	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2427	469416.767	2738464.818	4393.040	F-GND			
SG-AS-BUILT	10428	469377.260	2738372.784	4390.508	SG-ABS			
FINES-AS-BUILT	3428	469377.172	2738372.811	4392.509	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2428	469377.332	2738372.811	4393.079	F-GND			
SG-AS-BUILT	10430	469299.175	2738188.604	4389.900	SG-ABS			
FINES-AS-BUILT	3430	469299.087	2738188.631	4391.900	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2430	469299.247	2738188.631	4392.470	F-GND			
SG-AS-BUILT	10431	469259.753	2738097.447	4389.954	SG-ABS			
FINES-AS-BUILT	3431	469259.665	2738097.474	4391.954	2-GND	2.000	0.620	2.620
FG-AS-BUILT	2431	469259.825	2738097.474	4392.574	F-GND			
SG-AS-BUILT	10432	469167.100	2738134.865	4388.820	SG-ABS			
FINES-AS-BUILT	3432	469167.011	2738134.892	4390.820	2-GND	2.000	0.630	2.630
FG-AS-BUILT	2432	469167.171	2738134.892	4391.450	F-GND			
SG-AS-BUILT	10433	469206.456	2738228.270	4388.987	SG-ABS			
FINES-AS-BUILT	3433	469206.367	2738228.297	4390.988	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2433	469206.527	2738228.297	4391.558	F-GND			
SG-AS-BUILT	10434	469245.696	2738320.134	4388.799	SG-ABS			
FINES-AS-BUILT	3434	469245.607	2738320.161	4390.799	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2434	469245.767	2738320.161	4391.369	F-GND			



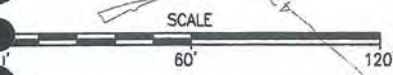
TABLE 1
Former Deming Mill Imoundment Closure Cover Soil Placement
Deming, New Mexico
Revised 12-15-08 (after O&M Repairs)

TYPE	POINT #	NORTHING (USFT)	EASTING (USFT)	ELEVATION (MSL FT)	CODE	FINES LAYER THICKNESS (FT)	GRAVEL MIX THICKNESS (FT)	TOTAL COVER THICKNESS (FT)
SG-AS-BUILT	10435	469285.111	2738411.884	4388.728	SG-ABS			
FINES-AS-BUILT	3435	469285.023	2738411.911	4390.728	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2435	469285.183	2738411.911	4391.298	F-GND			
SG-AS-BUILT	10436	469324.129	2738504.203	4388.661	SG-ABS			
FINES-AS-BUILT	3436	469324.041	2738504.230	4390.661	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2436	469324.201	2738504.230	4391.231	F-GND			
SG-AS-BUILT	10437	469363.233	2738595.915	4388.884	SG-ABS			
FINES-AS-BUILT	3437	469363.145	2738595.942	4390.884	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2437	469363.305	2738595.942	4391.454	F-GND			
SG-AS-BUILT	10438	469402.642	2738688.147	4388.474	SG-ABS			
FINES-AS-BUILT	3438	469402.554	2738688.175	4390.475	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2438	469402.714	2738688.175	4391.045	F-GND			
SG-AS-BUILT	10439	469441.764	2738780.092	4388.610	SG-ABS			
FINES-AS-BUILT	3439	469441.676	2738780.120	4390.611	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2439	469441.836	2738780.120	4391.181	F-GND			
SG-AS-BUILT	10440	469481.281	2738872.633	4388.240	SG-ABS			
FINES-AS-BUILT	3440	469481.193	2738872.661	4390.240	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2440	469481.353	2738872.661	4390.810	F-GND			
SG-AS-BUILT	10441	469520.403	2738964.070	4387.452	SG-ABS			
FINES-AS-BUILT	3441	469520.315	2738964.098	4389.452	2-GND	2.000	0.570	2.570
FG-AS-BUILT	2441	469520.475	2738964.098	4390.022	F-GND			
SG-AS-BUILT	10445	469608.266	2738142.499	4394.234	TOS			
FINES-AS-BUILT	3445	469608.178	2738142.526	4396.234	TOS	2.000	0.570	2.570
FG-AS-BUILT	2445	469608.338	2738142.526	4396.804	TOS			
SG-AS-BUILT	10453	469575.870	2738349.798	4392.620	TOS			
FINES-AS-BUILT	3453	469575.782	2738349.825	4394.620	TOS	2.000	0.570	2.570
FG-AS-BUILT	2453	469575.942	2738349.825	4395.190	TOS			
SG-AS-BUILT	10500	469314.845	2738288.965	4389.579	TOS			
FINES-AS-BUILT	3500	469314.757	2738288.992	4391.579	TOS	2.000	0.570	2.570
FG-AS-BUILT	2500	469314.917	2738288.992	4392.149	TOS			



ENTACT & ASSOCIATES, LLC 1010 EXECUTIVE COURT, SUITE 200 WESTMONT, ILLINOIS 60559 P: 630-330-0237 F: 630-988-0853				DEMING MILL DEMING, NEW MEXICO			
ENTACT				FINAL IMPOUNDMENT AS-BUILT CROSS SECTIONS			
DESIGNED BY	JW	5/17/07	CHECKED BY	JW	6/9/08	PROJECT NO.	---
DRAWN BY	MMC	6/9/08	APPROVED BY	JW	6/9/08	DRAWING NO.	4
DATE	12/15/08	BY	MMC	DATE	12/15/08	REVISION NO.	1
UPDATED CONTOURS TO REFLECT POST-O&M REPAIR TOPOGRAPHY				REVISIONS			
NO				NO			

1. THE INFORMATION PRESENTED HEREIN IS CONFIDENTIAL IN NATURE AND IS NOT TO BE REPRODUCED OR RE-USED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF ENTACT.
2. AS-BUILT TOPOGRAPHIC SURVEY DATA PROVIDED BY QUARRELL SURVEYING, DEMING, NM.
3. EXISTING GRADE CONTOUR INFORMATION PROVIDED BY ASARCO.



LEGEND

- EXISTING GRADE MAJOR AND MINOR CONTOURS (1' AND 5')
- FINAL GRADE (TOP OF COVER SOIL) AS-BUILT CONTOURS (1' AND 5')
- COVER SOIL THICKNESS VERIFICATION LOCATION (SEE TABLE FOR AS-BUILT DATA)
- 6-9" DIA. RIP RAP PLACEMENT AREAS
- EXISTING FENCE

- D58 GROUTED RIP RAP PLACEMENT AREAS
- HIGH POINT

1. THE INFORMATION PRESENTED HEREIN IS CONFIDENTIAL IN NATURE AND IS NOT TO BE REPRODUCED OR RE-USED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF ENTACT.
2. AS-BUILT TOPOGRAPHIC SURVEY DATA PROVIDED BY QUARRELL SURVEYING, DEMING, NM.
3. EXISTING GRADE CONTOUR INFORMATION PROVIDED BY ASARCO.



ENTACT & ASSOCIATES, LLC 1010 EXPLORING COURT, SUITE 200 WESTMONT, ALABAMA 35090 P: 830-330-8137 F: 830-888-0883			
12/18/08	MMC	JW	JW
DATE	BY	CHK'D	APR'D
UPDATED CONTOURS TO REFLECT POST-O&M REPAIR TOPOGRAPHY			
REVISIONS			

		DEMING MILL DEMING, NEW MEXICO	
DESIGNED BY		CHECKED BY	
JW		JW	
5/17/07		6/8/08	
DRAWN BY		APPROVED BY	
MMC		JW	
6/8/08		6/8/08	
SCALE		DRAWING NO.	
H2=1"=80'		5	
PROJECT NO.		REVISION NO.	
---		1	

ENTACT

ENVIRONMENTAL EASEMENT SURVEY

A SURVEY TO SET THE EASEMENT CORNERS FOR CERTAIN ENVIRONMENTAL SITES IN PARTS OF SECTIONS 20 AND 21, T235 R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO.

DESCRIPTION SITE 1

A TRACT OF LAND SITUATE IN THE EAST HALF (E½) SECTION 20 AND THE WEST HALF (W½) OF SECTION 21, T235, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT CORNER NO. 1, WHICH POINT BEARS N09°34'02"E, 2172.01 FEET FROM THE SW CORNER OF SAID SECTION 21; THENCE N52°20'33"W, 461.01 FEET TO CORNER NO.2; THENCE N25°06'42"W, 189.14 FEET TO CORNER NO.3; THENCE N85°23'43"W, 226.95 FEET TO CORNER NO.4; THENCE N34°53'47"W, 395.41 FEET TO CORNER NO.5; THENCE N69°37'48"W, 108.84 FEET TO CORNER NO.6; THENCE N18°59'43"W, 382.21 FEET TO CORNER NO.7; THENCE N64°30'38"E, 1210.96 FEET TO CORNER NO.8; THENCE S72°44'52"E, 90.67 FEET TO CORNER NO.9; THENCE S25°35'53"E, 547.54 FEET TO CORNER NO.10; THENCE N72°32'19"E, 314.96 FEET TO CORNER NO.11; THENCE S73°26'21"E, 170.77 FEET TO CORNER NO.12; THENCE S27°08'40"E, 727.74 FEET TO CORNER NO.13; THENCE S50°44'47"W, 777.45 FEET TO CORNER NO.14; THENCE S78°12'42"W, 496.74 FEET TO THE POINT OF BEGINNING. THIS SITE CONTAINS 50.33 ACRES MORE OR LESS.

DESCRIPTION SITE 2

A TRACT OF LAND SITUATE IN THE WEST HALF (W½) OF SECTION 21, T235, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT CORNER NO. 1, WHICH POINT BEARS N38°16'53"W, 2490.98 FEET FROM THE SW CORNER OF SAID SECTION 21; THENCE S79°19'31"W, 87.39 FEET TO CORNER NO.2; THENCE N81°45'42"W, 112.97 FEET TO CORNER NO.3; THENCE N59°26'43"W, 82.79 FEET TO CORNER NO.4; THENCE N18°27'06"W, 133.11 FEET TO CORNER NO.5; THENCE N17°45'37"E, 84.99 FEET TO CORNER NO.6; THENCE N87°25'30"E, 71.78 FEET TO CORNER NO.7; THENCE N48°44'39"E, 902.48 FEET TO CORNER NO.8; THENCE N12°09'16"W, 266.55 FEET TO CORNER NO.9; THENCE N23°45'41"W, 451.28 FEET TO CORNER NO.10; THENCE N72°20'30"W, 597.08 FEET TO CORNER NO.11; THENCE N73°26'21"W, 276.00 FEET TO CORNER NO.12; THENCE N39°10'53"E, 158.51 FEET TO CORNER NO.13; THENCE N53°16'45"E, 153.56 FEET TO CORNER NO.14; THENCE G3°00'16"E, 138.78 FEET TO CORNER NO.15; THENCE N83°55'27"E, 648.03 FEET TO CORNER NO.16; THENCE S81°15'34"E, 115.20 FEET TO CORNER NO.17; THENCE S47°39'00"E, 533.89 FEET TO CORNER NO.18; THENCE N65°17'08"E, 97.50 FEET TO CORNER NO.19; THENCE S27°17'44"E, 817.00 FEET TO CORNER NO.20; THENCE S21°32'44"E, 465.71 FEET TO CORNER NO.21; THENCE S01°34'53"W, 122.94 FEET TO CORNER NO.22; THENCE S76°05'16"W, 388.49 FEET TO CORNER NO.23; THENCE S83°15'50"W, 669.53 FEET TO CORNER NO.24; THENCE S50°38'50"W, 774.53 FEET TO THE POINT OF BEGINNING. THIS SITE CONTAINS 54.43 ACRES MORE OR LESS.

DESCRIPTION SITE 3

A TRACT OF LAND SITUATE IN THE EAST HALF (E½) SECTION 20 AND THE WEST HALF (W½) OF SECTION 21, T235, R9W OF THE N.M.P.M. IN LUNA COUNTY, NEW MEXICO AND BEING DESCRIBED AS FOLLOWS:
BEGINNING AT CORNER NO. 1, WHICH POINT BEARS N30°01'25"W, 934.23 FEET FROM THE SW CORNER OF SAID SECTION 21; THENCE N22°04'06"W, 298.02 FEET TO CORNER NO.2; THENCE N30°36'40"E, 298.36 FEET TO CORNER NO.3; THENCE N05°23'57"E, 99.56 FEET TO CORNER NO.4; THENCE N87°11'24"E, 203.11 FEET TO CORNER NO.5; THENCE S21°13'24"E, 104.42 FEET TO CORNER NO.6; THENCE N82°15'22"E, 249.86 FEET TO CORNER NO.7; THENCE S50°36'25"E, 246.91 FEET TO CORNER NO.8; THENCE S17°51'32"E, 297.47 FEET TO CORNER NO.9; THENCE S18°04'26"W, 96.34 FEET TO CORNER NO.10; THENCE N84°55'41"W, 267.72 FEET TO CORNER NO.11; THENCE S70°54'56"W, 30.97 FEET TO CORNER NO.12; THENCE N15°22'16"W, 98.38 FEET TO CORNER NO.13; THENCE S71°37'30"W, 492.83 FEET TO THE POINT OF BEGINNING. THIS SITE CONTAINS 9.27 ACRES MORE OR LESS.

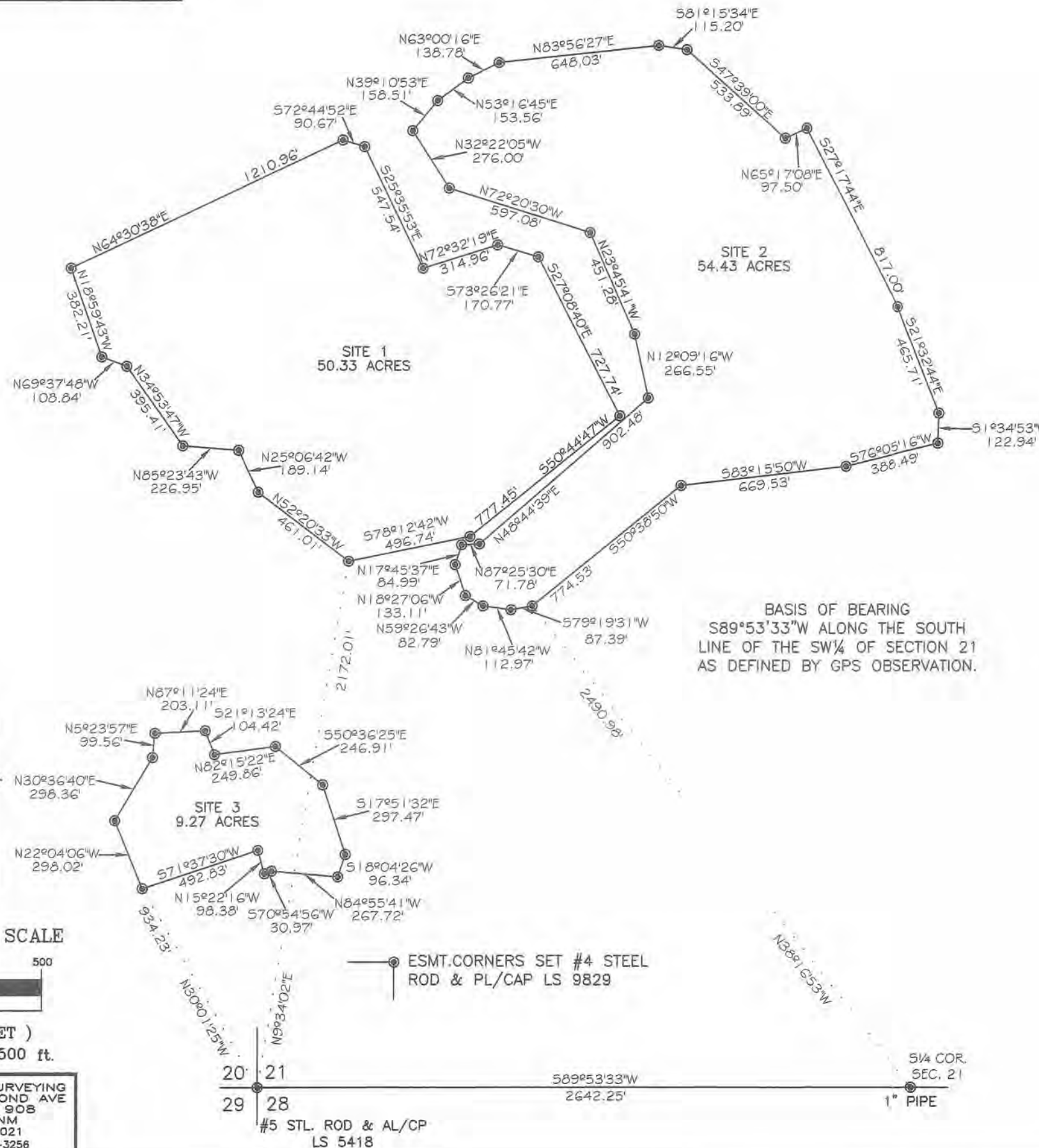
CERTIFICATION

Deming, Luna County, New Mexico. October 23rd, 2008
I, Frank L. Quarrell, New Mexico Professional Surveyor No. 9829 do hereby certify that this Boundary Survey Plat and the actual survey upon the ground upon which it is based were performed by me or under my direct supervision, that this survey meets the Minimum Standards for Surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief.

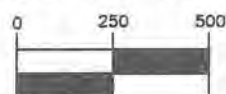


Professional Land Surveyor

9829



GRAPHIC SCALE



(IN FEET)

1 inch = 500 ft.

QUARRELL SURVEYING
913 S. DIAMOND AVE
P.O. BOX 908
DEMING, NM
(505)546-8021
FAX (505)546-3256

#5 STL. ROD & AL/CP
LS 5418

ESMT.CORNERS SET #4 STEEL
ROD & PL/CAP LS 9829

1\"/>

ATTACHMENT 5
SOUTH OF MIMBRES RIVER, EAST OF PLANT AREA
INVESTIGATION SUMMARY REPORT



South of Mimbres River, East of Plant Area Investigation Deming, NM

Project: South of Mimbres River, Deming, NM

To: ASARCO Incorporated

Date: 10/25/07

Re: Investigation Results

From: Liz Scaggs

PO# / Contract #: D7006

Contract For: Deming Tailings Impoundment Closure

Description of Investigation:

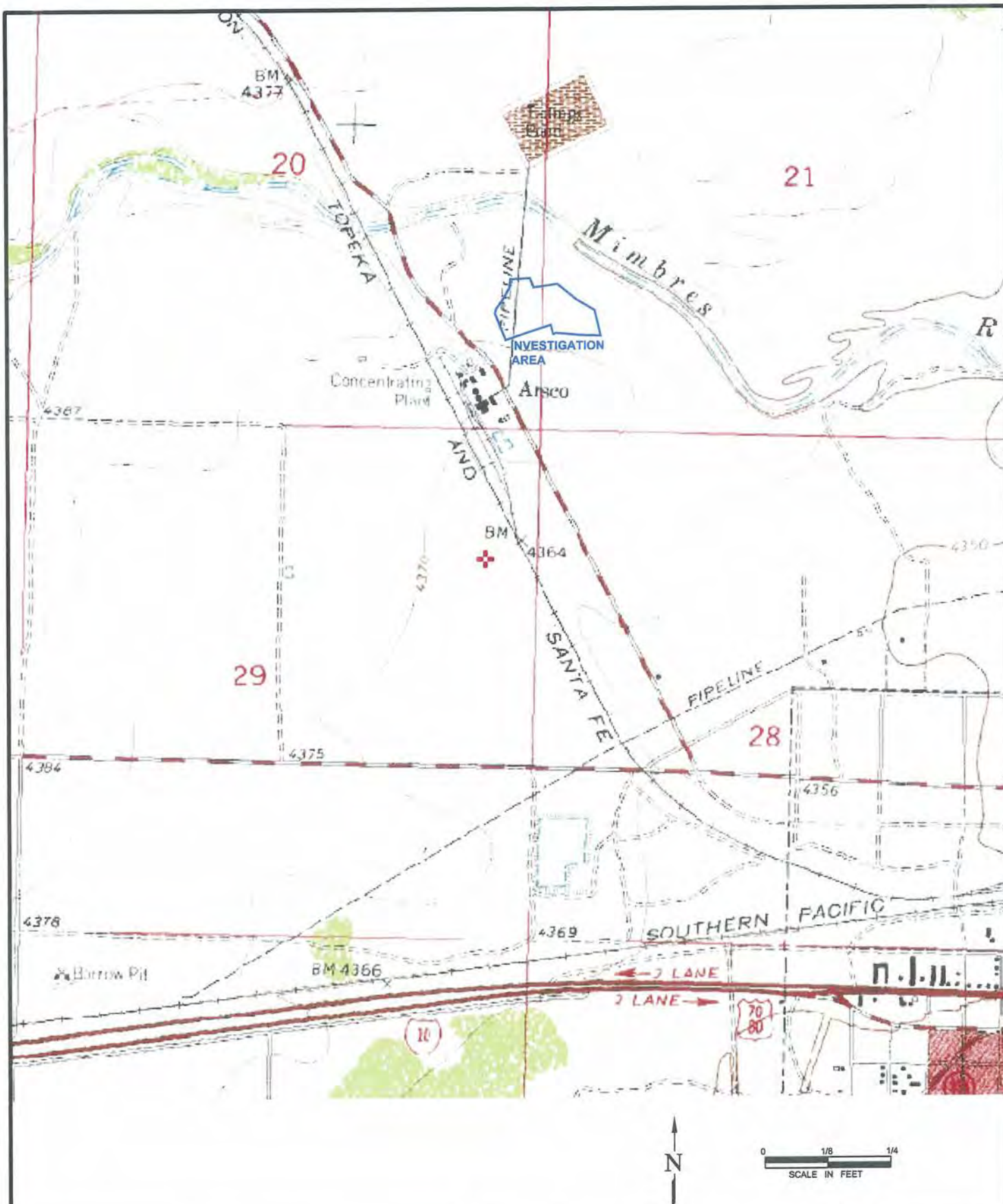
On September 19 and 20, 2007 Entact performed a limited investigation of the former ASARCO Deming Plant. This area of investigation was located just south of the Mimbres River, East of the existing plant area and north of the existing and recently completed Phelps Dodge landfill (Figure 1). This sampling effort encompassed an area approximately 800 ft. by 800 ft. and included a berm along the northernmost edge. The area of concern was visually delineated and the outer perimeter staked. Thirty surface sample locations were marked and a sample was obtained from the 0-6" interval of each location (Figure 2). These samples were field screened with a portable XRF. A backhoe was then used to dig test pits in various locations within the investigation area. Samples were collected as the test pit was dug to vertically delineate the depth of contamination. These samples were also field screened with the XRF. The XRF sample results are included on Table 1. Four of the samples were sent to TestAmerica in Buffalo Grove, Illinois for further confirmation of XRF results. The results are presented in Table 1 and the laboratory report is included as an attachment.

The volume/quantity estimate resulting from the sampling effort completed at the Deming, NM site is below. A digital planimeter was used to generate the following volumes. These are neat line numbers (bank cubic yards, BCY) and no contingency has been added to these volumes. Entact believes from past experience that a minimum of 15% should be added to these numbers for potential volume growth.

Quantities

Berm -1,150 LF	= 319 BCY
6" cut area 140,000 SF	= 2,590 BCY
1' cut in 6" area 2,890 SF	= 107 BCY
1' cut area 32,500 SF	= 1,204 BCY
2' cut area 62,000 SF	= 4,660 BCY
3' cut area 8,100 SF	= 900 BCY
4' cut area 16,300 SF	= 2,450 BCY
Total	12,170 BCY

Attached supporting information: ☒ Laboratory Results ☒ Tabulated XRF/Lab Results ☒ Figures 1 & 2



SITE LOCATION MAP

ASARCO
DEMING, NEW MEXICO

FIGURE 1

NO.	DATE	REVISION	APP.



3129 Bass Pro Drive • Grapevine, TX 76051
(972) 580-1323 • Fax (972) 580-7464



**SOUTH OF MIMBRES RIVER
ASSESSMENT AREA AND SAMPLING
LOCATIONS**

ASARCO
DEMING, NEW MEXICO

FIGURE 2

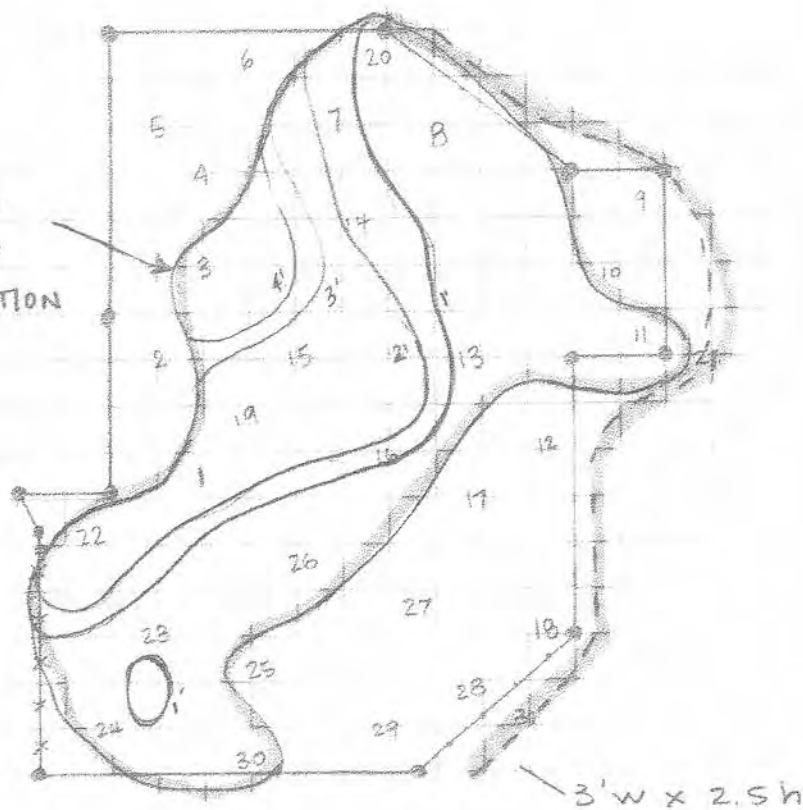
NO.	DATE	REVISION	APP.



3129 Bass Pro Drive • Grapevine, TX 76051
(972) 580-1323 • Fax (972) 550-7484

Scale: 1"=150' Drawn By: DM Checked By: LS Date: 10/2/2007

ESTIMATED
EXTENT OF
CONTAMINATION



1" = 200'

- *** - fence line
- - berm (height varies from 2 ft at east end to 3.5 at west end)
- - orange survey stakes
- 24 - sampling locations (pin flag)

TABLE 1: Investigation Results
ASARCO Deming, NM Area South of Mimbres River, East of Plant Area

Sample ID No.	Sample Depth (ft)	Sample Date	Laboratory Report No.	XRF Data (ppm)		Lab Data (mg/kg)		Notes
				Total Arsenic	Total Lead	Total Arsenic	Total Lead	
New Mexico Cleanup Criteria						70	1000	
XRF Sample Correlation				50	675			
1	0-0.5	09/19/07		<23.0	220			Estimated Depth of visual contamination - approximately 3.0' bgs
	1-1.5		280	898				
	3-3.5		<46.0	<45.0				
2	0-0.5	09/19/07		<23.0	42.4			
3	0-0.5	09/19/07		<100	1400			Estimated Depth of visual contamination - approximately 5.5' bgs
	3-3.5		BQI0214-02	<91	1160	49	1710	
	4.5-5			<160	1020			
	6			<110	138			
4	0-0.5	09/19/07		<43.0	263			
5	0-0.5	09/19/07		<35.0	78.6			
6	0-0.5	09/19/07		<28.0	42.7			
7	0-0.5	09/19/07		<60.0	821			
8	0-0.5	09/19/07		<83.0	981			
9	0-0.5	09/19/07		<56.0	568			
10	0-0.5	09/19/07		<48.0	381			
11	0-0.5	09/19/07		<79.0	1420			Estimated Depth of visual contamination - approximately 0.5' bgs
	0.5-1.0			<58.0	<55.0			
12	0-0.5	09/19/07		<42.0	394			
13	0-0.5	09/19/07		<87.0	846			
14	0-0.5	09/19/07		<57.0	799			Estimated Depth of visual contamination - approximately 1.5' bgs
	1.5-2.0			<56.0	<48.0			
15	0-0.5	09/19/07		<99.0	1620			Estimated Depth of visual contamination - approximately 3.5' bgs
	2'			<240	1110			
	4.5'			<42	76			
16	0-0.5	09/19/07		<65.0	761			
17	0-0.5	09/19/07		<37.0	247			Test pit dug to verify
18	0-0.5	09/19/07		<35.0	144			
19	0-0.5	09/20/07		<25.0	22.9			
20	0-0.5	09/20/07		<110	2680			Estimated Depth of visual contamination - approximately 0.5' bgs
	0.5-1.0			<49	<48			
21	0-0.5	09/20/07	BQI0214-03	110	1500	96.6	1550	Depth of cont. est. 3.5"
22	0-0.5	09/20/07		<110	1440			Estimated Depth of visual contamination - approximately 3.5' bgs
	1			<270	1800			
	4			<52	<57			
23	0-0.5	09/20/07		<97	1310			
24	0-0.5	09/20/07		<140	4170			Depth of cont. est. 0.5', covered with wind blown dust
25	0-0.5	09/20/07	BQI0214-04	33	269	34.2	623	
26	0-0.5	09/20/07		<74	992			Estimated Depth of visual contamination - approximately 2.5' bgs
	0.5-1.0			<370	1680			
	1-1.5		BQI0214-01	<100	1440	65.6	1860	
	3			<43.0	<43.0			
27	0-0.5	09/20/07		<27	286			
28	0-0.5	09/20/07		<17.0	36.0			
29	0-0.5	09/20/07		<25	188			
30	0-0.5	09/20/07		92.5	1170			
31	0.5-1.0	09/20/07		<180	1140			berm outside grid area, est. height 2'

Red indicates concentration exceeds NM cleanup criteria.

Table 1-1

01 October 2007

Lab ID: BQI0214

Aaron McCorvey
Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

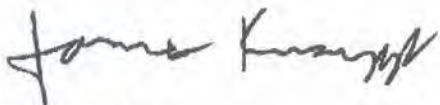
RE: Asarco- Deming

Enclosed are the results of analyses for samples received by the laboratory on 09/26/07. The sample results relate only to the tested analytes of interest and to the sample as received by the laboratory. At the time of analysis, the laboratory was in compliance with current NELAP standards and held accreditation for all analyses performed unless noted by a qualifier. The laboratory's Illinois NELAP accreditation number is 100261.

This report can not be reproduced, except in full, without written approval from the laboratory. If you have any questions concerning this report, please feel free to contact Jim Knapp or Margaret Kniest.

Sincerely,

TestAmerica Analytical Testing Corporation



James Knapp
Laboratory Director



Myra Kunas
Quality Assurance Manager

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0214
Reported: 10/01/07 14:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
26-1-1.5'	BQI0214-01	Soil	09/20/07 16:30	09/26/07 09:15
3-3-3.5'	BQI0214-02	Soil	09/20/07 16:15	09/26/07 09:15
21- 0-6'	BQI0214-03	Soil	09/20/07 09:00	09/26/07 09:15
25 0-6'	BQI0214-04	Soil	09/20/07 09:15	09/26/07 09:15

Sample Receipt Notes

Please note that the chain of custody (COC) included with this report is considered part of the report. The data user should review any comments or notes made on the COC. Any receipt issues found by the laboratory that are not noted on the COC will be stated below.

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQ10214
Reported: 10/01/07 14:50

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
26-1-1.5' (BQ10214-01) Soil Sampled: 09/20/07 16:30 Received: 09/26/07 09:15									
Silver	6.97	1.04	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	65.6	2.60	"	"	"	"	"	"	
Barium	13.6	5.20	"	"	"	"	"	"	
Cadmium	29.5	0.520	"	"	"	"	"	"	
Cobalt	37.4	2.60	"	"	"	"	"	"	
Chromium	5.55	1.04	"	"	"	"	"	"	
Copper	1020	2.60	"	"	"	"	"	"	
Iron	132000	2630	"	101	"	"	10/01/07	"	QC
Mercury	0.0346	0.0166	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	10100	133	"	51	7090421	09/27/07	09/28/07	EPA 6010B	QC
Lead	1860	2.60	"	1	"	"	09/28/07	"	
Zinc	9430	265	"	51	"	"	09/28/07	"	QC

3-3-3.5' (BQ10214-02) Soil Sampled: 09/20/07 16:15 Received: 09/26/07 09:15

Silver	8.67	1.20	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	49.0	3.01	"	"	"	"	"	"	
Barium	34.0	6.02	"	"	"	"	"	"	
Cadmium	24.0	0.602	"	"	"	"	"	"	
Cobalt	21.7	3.01	"	"	"	"	"	"	
Chromium	7.39	1.20	"	"	"	"	"	"	
Copper	912	3.01	"	"	"	"	"	"	
Iron	129000	3040	"	101	"	"	10/01/07	"	QC
Mercury	0.0220	0.0193	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	6120	153	"	51	7090421	09/27/07	10/01/07	EPA 6010B	QC
Lead	1710	3.01	"	1	"	"	09/28/07	"	
Zinc	7540	307	"	51	"	"	10/01/07	"	QC

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0214
Reported: 10/01/07 14:50

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
21- 0-6' (BQI0214-03) Soil Sampled: 09/20/07 09:00 Received: 09/26/07 09:15									
Silver	9.47	1.11	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	96.6	2.77	"	"	"	"	"	"	
Barium	25.7	5.54	"	"	"	"	"	"	
Cadmium	12.9	0.554	"	"	"	"	"	"	
Cobalt	38.0	2.77	"	"	"	"	"	"	
Chromium	2.90	1.11	"	"	"	"	"	"	
Copper	186	2.77	"	"	"	"	"	"	
Iron	161000	2800	"	101	"	"	10/01/07	"	QC
Mercury	ND	0.0177	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	2200	141	"	51	7090421	09/27/07	10/01/07	EPA 6010B	QC
Lead	1550	2.77	"	1	"	"	09/28/07	"	
Zinc	611	5.54	"	"	"	"	"	"	QC

25 0-6' (BQI0214-04) Soil Sampled: 09/20/07 09:15 Received: 09/26/07 09:15

Silver	2.46	1.10	mg/kg dry	1	7090421	09/27/07	09/28/07	EPA 6010B	
Arsenic	34.2	2.76	"	"	"	"	"	"	
Barium	67.4	5.52	"	"	"	"	"	"	
Cadmium	4.55	0.552	"	"	"	"	"	"	
Cobalt	9.35	2.76	"	"	"	"	"	"	
Chromium	6.34	1.10	"	"	"	"	"	"	
Copper	222	2.76	"	"	"	"	"	"	
Iron	47100	1410	"	51	"	"	10/01/07	"	QC
Mercury	0.0215	0.0177	"	1	7090430	09/27/07	09/27/07	EPA 7471A	
Manganese	1470	141	"	51	7090421	09/27/07	10/01/07	EPA 6010B	QC
Lead	623	2.76	"	1	"	"	09/28/07	"	
Zinc	1180	5.52	"	"	"	"	"	"	QC

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQI0214
Reported: 10/01/07 14:50

Percent Solids TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
26-1-1.5' (BQI0214-01) Soil Sampled: 09/20/07 16:30 Received: 09/26/07 09:15									
% Solids	96.1	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
3-3-3.5' (BQI0214-02) Soil Sampled: 09/20/07 16:15 Received: 09/26/07 09:15									
% Solids	83.1	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
21- 0-6' (BQI0214-03) Soil Sampled: 09/20/07 09:00 Received: 09/26/07 09:15									
% Solids	90.2	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	
25 0-6' (BQI0214-04) Soil Sampled: 09/20/07 09:15 Received: 09/26/07 09:15									
% Solids	90.6	1.00	%	1	7090441	09/28/07	09/28/07	SW846 5035	

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promise

Robin Promise For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Denning
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQ10214
Reported: 10/01/07 14:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

Blank (7090421-BLK1)

Prepared: 09/27/07 Analyzed: 09/28/07

Copper	ND	2.50	mg/kg wet
Cadmium	ND	0.500	"
Iron	ND	25.0	"
Cobalt	ND	2.50	"
Chromium	ND	1.00	"
Lead	ND	2.50	"
Manganese	ND	2.50	"
Arsenic	ND	2.50	"
Zinc	ND	5.00	"
Silver	ND	1.00	"
Barium	ND	5.00	"

Blank (7090421-BLK2)

Prepared: 09/27/07 Analyzed: 09/28/07

Copper	ND	2.50	mg/kg wet
Manganese	ND	2.50	"
Chromium	ND	1.00	"
Zinc	ND	5.00	"
Iron	ND	25.0	"
Lead	ND	2.50	"
Cobalt	ND	2.50	"
Barium	ND	5.00	"
Silver	ND	1.00	"
Cadmium	ND	0.500	"
Arsenic	ND	2.50	"

LCS (7090421-BS1)

Prepared: 09/27/07 Analyzed: 09/28/07

Zinc	50.2	5.00	mg/kg wet	50.0	100	85-110
Silver	18.0	1.00	"	20.0	90.0	80-110
Manganese	21.1	2.50	"	20.0	106	90-110
Copper	20.1	2.50	"	20.0	101	85-110
Arsenic	19.7	2.50	"	20.0	98.5	80-110
Lead	39.0	2.50	"	40.0	97.4	85-110
Cobalt	20.0	2.50	"	20.0	100	85-110
Chromium	20.2	1.00	"	20.0	101	85-110
Barium	50.1	5.00	"	50.0	100	85-110
Iron	261	25.0	"	250	104	90-120

TestAmerica - Buffalo Grove, IL

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQ10214
Reported: 10/01/07 14:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

LCS (7090421-BS1) Prepared: 09/27/07 Analyzed: 09/28/07

Cadmium	20.1	0.500	mg/kg wet	20.0	100	85-110
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LCS (7090421-BS2) Prepared: 09/27/07 Analyzed: 09/28/07

Copper	20.0	2.50	mg/kg wet	20.0	99.8	85-110
Cadmium	19.8	0.500	"	20.0	99.1	85-110
Barium	49.6	5.00	"	50.0	99.2	85-110
Cobalt	19.6	2.50	"	20.0	98.2	85-110
Arsenic	19.0	2.50	"	20.0	94.8	80-110
Iron	254	25.0	"	250	102	90-120
Chromium	19.8	1.00	"	20.0	99.0	85-110
Lead	39.5	2.50	"	40.0	98.6	85-110
Zinc	48.5	5.00	"	50.0	97.0	85-110
Manganese	20.5	2.50	"	20.0	103	90-110
Silver	18.4	1.00	"	20.0	92.0	80-110

Matrix Spike (7090421-MS1) Source: BQ10213-01 Prepared: 09/27/07 Analyzed: 09/28/07

Cadmium	19.4	0.535	mg/kg dry	21.6	0.217	89.0	55-110	
Silver	17.6	1.07	"	21.6	0.0847	81.1	65-110	
Arsenic	20.0	2.67	"	21.6	1.06	87.9	45-120	
Cobalt	28.1	2.67	"	21.6	8.44	90.8	55-110	
Barium	146	5.35	"	54.0	93.4	97.5	40-145	
Zinc	273	5.35	"	54.0	224	89.7	40-120	
Copper	73.5	2.67	"	21.6	50.3	108	40-145	
Iron	11100	561	"	270	10300	277	75-125	H
Manganese	687	2.67	"	21.6	649	178	75-125	H
Chromium	26.6	1.07	"	21.6	6.64	92.5	40-135	
Lead	44.5	2.67	"	43.2	6.33	88.4	45-125	

TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQ10214
Reported: 10/01/07 14:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

Matrix Spike (7090421-MS2)

Source: BQ10213-04

Prepared: 09/27/07 Analyzed: 09/28/07

Cobalt	25.7	2.68	mg/kg dry	22.1	6.30	87.7	55-110			
Cadmium	18.5	0.536	"	22.1	0.366	81.9	55-110			
Barium	134	5.36	"	55.3	77.1	104	40-145			
Iron	10900	563	"	276	11300	NR	75-125			L
Arsenic	18.7	2.68	"	22.1	1.12	79.4	45-120			
Chromium	25.2	1.07	"	22.1	5.99	86.6	40-135			
Manganese	885	2.68	"	22.1	749	612	75-125			H
Lead	41.9	2.68	"	44.2	4.78	84.0	45-125			
Copper	38.6	2.68	"	22.1	14.7	108	40-145			
Silver	17.2	1.07	"	22.1	0.101	77.3	65-110			
Zinc	364	5.36	"	55.3	276	159	40-120			H

Matrix Spike Dup (7090421-MSD1)

Source: BQ10213-01

Prepared: 09/27/07 Analyzed: 09/28/07

Arsenic	18.5	2.67	mg/kg dry	21.2	1.06	82.5	45-120	7.82	25	
Iron	10300	561	"	265	10300	NR	75-125	7.09	40	L
Lead	41.5	2.67	"	42.3	6.33	83.0	45-125	7.14	30	
Barium	141	5.35	"	52.9	93.4	89.6	40-145	3.64	30	
Silver	16.9	1.07	"	21.2	0.0847	79.6	65-110	3.83	25	
Chromium	25.4	1.07	"	21.2	6.64	88.6	40-135	4.67	20	
Manganese	678	2.67	"	21.2	649	138	75-125	1.37	40	H
Cobalt	27.0	2.67	"	21.2	8.44	87.9	55-110	3.67	20	
Cadmium	18.6	0.535	"	21.2	0.217	86.7	55-110	4.56	25	
Copper	71.0	2.67	"	21.2	50.3	97.9	40-145	3.48	20	
Zinc	271	5.35	"	52.9	224	88.2	40-120	0.644	15	

Matrix Spike Dup (7090421-MSD2)

Source: BQ10213-04

Prepared: 09/27/07 Analyzed: 09/28/07

Cobalt	25.3	2.68	mg/kg dry	22.6	6.30	84.2	55-110	1.55	20	
Silver	17.2	1.07	"	22.6	0.101	75.9	65-110	0.299	25	
Lead	42.2	2.68	"	45.2	4.78	82.8	45-125	0.582	30	
Barium	133	5.36	"	56.5	77.1	99.1	40-145	1.01	30	
Manganese	844	2.68	"	22.6	749	420	75-125	4.70	40	H
Cadmium	18.9	0.536	"	22.6	0.366	81.9	55-110	1.99	25	
Iron	10900	563	"	282	11300	NR	75-125	0.674	40	L
Copper	37.2	2.68	"	22.6	14.7	99.9	40-145	3.60	20	
Zinc	356	5.36	"	56.5	276	141	40-120	2.22	15	H
Chromium	25.0	1.07	"	22.6	5.99	84.2	40-135	0.613	20	

TestAmerica - Buffalo Grove, IL

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Reviewed &
Approved by:

Robin S. Promisel

Robin Promisel For Margaret Kniest

Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQ10214
Reported: 10/01/07 14:50

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090421 - EPA 3050B

Matrix Spike Dup (7090421-MSD2)

Source: BQ10213-04

Prepared: 09/27/07 Analyzed: 09/28/07

Arsenic	19.0	2.68	mg/kg dry	22.6	1.12	79.4	45-120	1.94	25	
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Batch 7090430 - EPA 7471A

Blank (7090430-BLK1)

Prepared & Analyzed: 09/27/07

Mercury	ND	0.0160	mg/kg wet							
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LCS (7090430-BS1)

Prepared & Analyzed: 09/27/07

Mercury	0.244	0.0160	mg/kg wet	0.240		102	80-130			
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Matrix Spike (7090430-MS1)

Source: BQ10213-04

Prepared & Analyzed: 09/27/07

Mercury	0.256	0.0172	mg/kg dry	0.257	0.00704	96.6	50-150			
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Matrix Spike Dup (7090430-MSD1)

Source: BQ10213-04

Prepared & Analyzed: 09/27/07

Mercury	0.254	0.0172	mg/kg dry	0.257	0.00704	95.9	50-150	0.673	20	
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Entact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQ10214
Reported: 10/01/07 14:50

Percent Solids - Quality Control TestAmerica - Buffalo Grove, IL

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7090441 - General Prep

Blank (7090441-BLK1) Prepared & Analyzed: 09/28/07

% Solids	ND	1.00	%
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Blank (7090441-BLK2) Prepared & Analyzed: 09/28/07

% Solids	ND	1.00	%
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Blank (7090441-BLK3) Prepared & Analyzed: 09/28/07

% Solids	ND	1.00	%
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Duplicate (7090441-DUP1) Source: BQ10213-01 Prepared & Analyzed: 09/28/07

% Solids	93.6	1.00	%	93.5	0.0422	20
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Duplicate (7090441-DUP2) Source: BQ10213-02 Prepared & Analyzed: 09/28/07

% Solids	93.1	1.00	%	93.3	0.162	20
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Duplicate (7090441-DUP3) Source: BQ10213-03 Prepared & Analyzed: 09/28/07

% Solids	93.4	1.00	%	93.2	0.205	20
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Contact Services
3129 Bass Pro Drive
Grapevine, TX 76051

Project: Asarco- Deming
Project Number: D7006
Project Manager: Aaron McCorvey

Lab ID: BQ10214
Reported: 10/01/07 14:50

Notes and Definitions

- QC The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- L This quality control measurement is below the laboratory established limit.
- H This quality control measurement is above the laboratory established limit.
- ^ The laboratory is not NELAP accredited for this analyte by the indicated matrix and method.
- ^^ The State of Illinois Accrediting Authority does not offer NELAP accreditation for this analyte by the indicated matrix and method.

Note: All analytes, by matrix and method, are accredited following current NELAP standards unless specifically noted by way of a qualifier listed above.

Note: All samples are reported on a wet weight basis unless otherwise noted.

TestAmerica--Buffalo Grove, IL Wisconsin DNR Certification Lab ID: 999917160
TestAmerica--Buffalo Grove, IL NELAP Primary Accreditation: Illinois #100261
TestAmerica--Buffalo Grove, IL NELAP Secondary Accreditation: New Jersey #IL001
TestAmerica--Nashville, TN NELAP Secondary Accreditation: Illinois #200010
TestAmerica--Dayton, OH NELAP Secondary Accreditation: Illinois #200008
TestAmerica--Watertown, WI NELAP Primary Accreditation: Illinois #100453
TestAmerica--Watertown, WI Wisconsin DNR Certification Lab ID: 128053530



TestAmerica - Buffalo Grove, IL

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Approved by:

Robin Promisel For Margaret Kniest

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, Illinois 60089-4505
(847) 808-7766
FAX (847) 808-7772

Client: ASDRU/ENTACT		Project Name: Asarta Denix		TAT (in days): 5(5-7) 4 3 2 1	
Address: 8222 S. 48th Street		Project Number: D7006		For RUSH requests: DATE RESULTS NEEDED:	
Suite 220 Phoenix, AZ 85044		PO#: State & Program: NM		Quote ID: Invoice will be sent to the Client Address unless other arrangements have been made.	
Phone #: (602) 935-4456		Received at laboratory: <input type="checkbox"/> ambient <input checked="" type="checkbox"/> ice		Lab temp. 30	
Fax #:		Deliverable Package: <input type="checkbox"/> STD <input type="checkbox"/> Other		Delivery Method: TAD <input type="checkbox"/> Fedex <input type="checkbox"/> Client <input type="checkbox"/>	
PM/Report to: D. M. Lacey / Brian Munson		THIS SECTION FOR LAB USE ONLY			
Email: amccosuey@entact.com		LABORATORY ID NUMBER			
Sampler: A. M. Lacey					

FIELD ID, LOCATION	PID Readings	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used							TOTAL # OF BOTTLES	Total As, Pb	Total Ag, Ba	Cd, Co, Cr	Cu, Fe, Hg	Mn, Ni, P, Se	LABORATORY ID NUMBER	
					MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE								
1 26-1-1.5'		9-20-07	1630	Soil									1	X	X	X	X		BQIC0214-01
2 3-3-3.5'		9-20-07	1615	Soil									1	X	X	X	X		02
3 21-0-6"		9-20-07	0900	Soil									1	X	X	X	X		03
4 25-0-6"		9-20-07	0915	Soil									1	X	X	X	X		04
5																			
6																			
7																			
8																			
9																			
10																			

RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME	RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME
RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME	RELINQUISHED	DATE	TIME	RECEIVED	DATE	TIME

COMMENTS: 8499 4369 7043

1555 & 1565 West Picacho Avenue



Above: Public notice sign at 1565 West Picaacho Avenue

Below Public notice sign at 1555 West Picaacho Avenue

