



Reno
815 Maestro Drive
Reno, Nevada 89511
Ph: 775.829.2245

Las Vegas
1915 N. Green Valley Parkway
Suite 200
Henderson, Nevada 89074
Ph: 702.260.4961

San Antonio
227 North Loop 1604 East
Suite 150
San Antonio, Texas 78232

www.mcgin.com

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Old White Pine County Landfill 5-Acre Portion Containing Capped Waste Portions of APNs 005-341-17 and 005-341-18 Ely, White Pine County Nevada

- | Site Remediation
- | Soil & Groundwater Investigations
- | Closure Optimization
- | Air Quality Permitting & Modeling
- | Brownfields Redevelopment
- | Permitting & Compliance
- | Phase I Assessments
- | Storm Water & Spill Plans
- | Underground Tank Services
- | Toxic Release Inventory
- | Geographic Information Systems
- | Groundwater Modeling
- | Litigation Support & Expert Witness

Prepared for:

*Nevada Division of Environmental Protection
c/o Dave Friedman
901 South Stewart Strret
Suite 3005
Carson City, NV 89701*

*Task M13-16
Category 54
Organizational Code 5420
Job Number 6681712*

On behalf of:

White Pine County

May 27, 2016

TABLE OF CONTENTS

1.	INTRODUCTION.....	1
1.1	Purpose	1
1.2	Site Location	1
1.3	User Responsibilities	1
1.4	Conditions of Contract	2
1.5	Scope of Work	2
2.	SITE RECONNAISSANCE	3
2.1	Methodology	3
2.2	Observations During Reconnaissance	3
2.3	Site Description and Current Usage	4
2.4	Adjoining Properties.....	5
2.5	PCB Sources	5
3.	ENVIRONMENTAL SETTING	6
3.1	Regional Physiographic Setting	6
3.2	Geologic Conditions.....	6
3.3	Surface Water Conditions	6
3.4	Groundwater Conditions	6
4.	SITE HISTORY AND HISTORICAL LAND USE	7
4.1	Historical Aerial Photographs.....	7
4.2	Historical Topographic Maps.....	7
4.3	Sanborn Fire Insurance Maps	7
4.4	City Directory Listings	7
4.5	White Pine County Assessor's Office	8
4.5.1	005-341-17.....	8
4.5.2	005-341-18.....	8
4.6	Interviews	8
4.6.1	Bill Calderwood	8
4.6.2	Tony Locke.....	8
4.6.3	Elaine Blackham	8
5.	RECORDS REVIEW	9
5.1	EDR Radius Map Report	9
5.2	EDR Vapor Encroachment Screen.....	10
5.2.1	Tier 1 Screening.....	10
5.2.2	Tier 2 Screening.....	10
5.3	Nevada Division of Environmental Protection (NDEP) Brownfields Division	10
5.3.1	Old Ely Landfill, Facility ID: F-000034.....	11
6.	FINDINGS	12
6.1	General Findings	12
6.2	Historical Recognized Environmental Conditions	12
6.3	Controlled Recognized Environmental Conditions	12
6.4	Recognized Environmental Conditions.....	12
6.5	Conclusions	12
7.	LIMITATIONS.....	14

7.1	General.....	14
7.2	Data Gaps	14
8.	SIGNATURES OF ENVIRONMENTAL PROFESSIONALS	15
9.	REFERENCES.....	16

FIGURES

Figure 1 Project Location Map

Figure 2 Site Map

APPENDICES

Appendix A Assessor's Map and Parcel Information

Appendix B User Questionnaire

Appendix C Site Photographs

Appendix D Historical Aerial Photographs and Topographic Maps

Appendix E Sanborn Map Report and City Directory Listings

Appendix F EDR Radius Map Report

Appendix G EDR Vapor Encroachment Screen

Appendix H Resumes

EXECUTIVE SUMMARY

McGinley and Associates, Inc. (MGA) conducted this Phase I Environmental Site Assessment for the purpose of identifying recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), and/or controlled recognized environmental conditions (CRECs) on the property in accordance with the 2013 ASTM International standard practice for the performance of Phase I Environmental Site Assessments (ASTM E 1527-13). The U.S. Environmental Protection Agency (EPA) has indicated that this practice is consistent with the requirements of All Appropriate Inquiry (AAI).

The Subject Property is located on the southeast corner of Madison Avenue and Minnesota Avenue, near the city limits of Ely in White Pine County, Nevada and lies within the SW ¼ of the NW ¼ of Section 23, Township 16 North, Range 63 East, of the Mount Diablo Baseline and Meridian. It is comprised of approximately five acres of a 10-acre portion of land that was previously part of an uncontrolled dump. The five acres associated with the Subject Property exists on portions of two parcels of land known as White Pine County APNs 005-341-17 and 005-341-18.

The Subject Property is comprised of approximately five acres of hilly land surrounded by chain-link fencing. It is covered with desert vegetation and slopes up from the fence-line towards a plateau-like surface. At the time of the site visit, the ground surface contained debris that consisted of broken glass and ash scattered over the Subject Property. Metal debris and partially buried automobiles were observed outside of the fence-line near the eastern portion of the Subject Property. The property is accessed from the east via Madison Avenue from the north.

Findings

General Findings

- *The Subject Property was used as an uncontrolled and unpermitted dump from the early 1900's through the late 1950's.*
- *The landfill was known to have received solid waste from commercial sources including local businesses and the hospital. In addition, household and construction wastes were also dumped at the site during the years it was open.*
- *At the time the landfill was open, the site was unregulated and no records exist which document the volume and type of waste dumped.*
- *In 2004, waste from the adjacent 5.4 acres was placed on top of the waste existing on the Subject Property. It was then compacted and capped with fill.*

Historical Recognized Environmental Conditions (HREC)

No historical recognized environmental conditions were found for the Subject Property.

Controlled Recognized Environmental Conditions (CREC)

No controlled recognized environmental conditions were found for the Subject Property.

Recognized Environmental Conditions (REC)

- *Information reviewed for this report indicate that the site was used as an uncontrolled landfill from the early 1900s to the 1950s and many different types of waste may have been dumped at the site in the past. Some of the items potentially discarded include motor oil, batteries, car parts, dry wall, concrete, lumber, ash, charcoals, paper, household waste, and commercial waste. In addition, chemicals including pesticides and herbicides may also have been dumped. This unknown waste remains on the Subject Property below a capped surface.*

Conclusions

MGA has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the property located near the southeast corner of Madison Avenue and Minnesota Avenue near the city limits of Ely in White Pine County, Nevada. Any exceptions to, or deletions from, this practice are described in Section 7 of this report.

Upon conclusion of our Phase I ESA, and based on the information reviewed, this assessment has revealed no evidence of recognized environmental conditions or controlled recognized environmental conditions in connection with the Subject Property, except for the following:

- Information reviewed for this report indicate that the site was used as an uncontrolled landfill from the early 1900s to the 1950s and many different types of waste may have been dumped at the site in the past. Some of the items potentially discarded include motor oil, batteries, car parts, dry wall, concrete, lumber, ash, charcoals, paper, household waste, and commercial waste. In addition, chemicals including pesticides and herbicides may also have been dumped. This unknown waste remains on the Subject Property below a capped surface.*

Based on the information reviewed for this assessment, MGA is of the opinion that additional investigations at the Subject Property are warranted at this time.

1. INTRODUCTION

1.1 Purpose

This report presents the findings of a Phase I Environmental Site Assessment (ESA) performed on the property located at the southeast corner of Madison Avenue and Minnesota Avenue in the City of Ely, White Pine County, Nevada, and hereafter referred to as the Subject Property. McGinley and Associates, Inc. (MGA) conducted this investigation for the purpose of identifying recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), and/or controlled recognized environmental conditions (CRECs) on the property in accordance with the 2013 ASTM International standard practice for the performance of Phase I Environmental Site Assessments (ASTM E 1527-13). The U.S. Environmental Protection Agency (EPA) has indicated that this practice is consistent with the requirements of All Appropriate Inquiry (AAI).

1.2 Site Location

The Subject Property is located in White Pine County, Nevada and is comprised of portions of two parcels of land. The Subject Property is located in the SW ¼ of the NW ¼ of Section 23, Township 16 North, Range 63 East, of the Mount Diablo Baseline and Meridian. A parcel map from the White Pine County Assessor's Office, which depicts the Subject Property parcels, is provided herein as Appendix A. The location of the site and the property boundary are presented in Figures 1 and 2.

1.3 User Responsibilities

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the User must complete an AAI compliant user questionnaire and provide it to the environmental professional. Failure to complete this user questionnaire could result in a determination that "all appropriate inquiry" is not complete. The questionnaire determines a baseline of User knowledge of the Subject Property regarding the following items:

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25);
2. Activity and land use limitations that are in place on the site or have been filed or recorded in a registry (40 CFR 312.26);
3. Specialized knowledge or experience of the person seeking to qualify for the LLP related to the property or nearby properties (40 CFR 312.28);
4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29);
5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30); and
6. The degree of obviousness of the presence or likely presence of contamination in, on, or at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

In order to obtain this information, an AAI compliant user questionnaire was provided to the User of this Phase I ESA. The completed user questionnaire can be found in Appendix B.

1.4 Conditions of Contract

MGA performed this work for the Nevada Division of Environmental Protection (NDEP) on behalf of White Pine County (user), as part of the State of Nevada Brownfields Program (NBP) pursuant to our Scope of Work approval dated April 5, 2016 and in accordance with Contract DEP14-008, Task Number M13-16.

1.5 Scope of Work

The scope of work performed and procedures utilized included the following tasks:

- **Site reconnaissance** of the Subject Property and observation of adjoining properties and vicinity by a qualified person under the direct supervision of an MGA Certified Environmental Manager;
- **Environmental setting review** to determine potential pathways for the migration of contaminants including solids and liquids at the surface or subsurface, and vapor in the subsurface;
- **Review of site history/land use** through city directory listings, historical aerial photographs, historical topographic maps, local jurisdiction records, and personal interviews/questionnaires;
- **Review of regulatory agency records** to identify and assess any listings of regulatory permits, registrations, or enforcement actions at the subject site, adjoining properties, or proximal sites (if necessary), through both a commercial database search and agency inquiries;
- **Review of previous reports**, and
- **Preparation of this report** that describes all work performed and presents a discussion of the findings and conclusions.

2. SITE RECONNAISSANCE

2.1 Methodology

For the purpose of assessing current site conditions, a visit to the Subject Property and surrounding area was conducted on April 13, 2015 under sunny and mild conditions. During the site visit, observations were made in regards to *recognized environmental conditions (RECs)*. As defined by ASTM E 1527-13, a REC is the presence, or likely presence, of any hazardous substances or petroleum products in, on, or at the property due to any release to the environment, under conditions indicative of a release to the environment, or under conditions that pose a material threat of a future release to the environment. The term REC is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and which generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Photographs taken during the site reconnaissance are provided in Appendix C.

2.2 Observations During Reconnaissance

The entire site was walked and observed for the presence of RECs. The following is a list of some of the items of interest that were looked for during the site inspection. If the item was not observed, it will be noted as "Not Observed". If the item was observed during the site visit, it will be noted as "**Observed**" and a short description of the finding will follow.

- | | |
|---|--------------|
| • Staining or discoloration of soil and/or pavement | Not Observed |
| • Wastewater systems, septic systems, sumps, and/or seeps | Not Observed |
| • Wells | Not Observed |
| • Patched areas of asphalt or concrete | Not Observed |
| • Standing surface water, ponds, farm tanks, etc. | Not Observed |
| • Railroad spurs | Not Observed |
| • Suspect PCB containing equipment | Not Observed |
| • Hydraulic equipment | Not Observed |
| • Underground storage tank (UST) systems/Vent Pipes | Not Observed |
| • Above ground storage tanks (ASTs) | Not Observed |
| • Sand-oil separators or grease interceptors | Not Observed |
| • Paint booths, spray rigs, etc. | Not Observed |

• Unorthodox heating and ventilation systems	Not Observed
• Emergency generators	Not Observed
• Chemical/waste generation and/or storage	Not Observed
• Unusual odors	Not Observed
• Dumping, disturbed soils, direct burial activity <i>Residential debris was scattered over the Subject Property. In addition, partially buried automobiles were also observed.</i>	Observed
• Floor drains	Not Observed
• Air emissions.	Not Observed
• Industrial or manufacturing activities	Not Observed
• Distressed, discolored or stained vegetation	Not Observed
• Oil or gas well exploration or refinery activities	Not Observed
• Surface water contamination	Not Observed
• Farm waste, feed lot spoils, or manure stockpile	Not Observed
• Prolonged use, misapplication or storage of pesticides	Not Observed
• Discharges, or run-off of potential contaminants from off-site sources	Not Observed
• Basements and/or subsurface vaults	Not Observed

2.3 Site Description and Current Usage

The Subject Property is comprised of approximately five acres of land that was previously part of an uncontrolled dump. The five acres associated with the Subject Property exist on portions of two parcels of land known as White Pine County APNs 005-341-17 and 005-341-18.

At the time of the site visit, there were no structures on the Subject Property and the Subject Property was observed to be unoccupied. Specific past uses of the property were not evident based on site reconnaissance. The Subject Property is comprised of hilly land surrounded by chain-link fencing. It is covered with desert vegetation and slopes up from the fence-line towards a plateau-like surface. At the time of the site visit, the ground surface contained debris that consisted of broken glass and ash scattered over the Subject Property. Metal debris and partially buried automobiles were observed outside of the fence-line near the

eastern portion of the Subject Property. The property is accessed from the east via Madison Avenue from the north.

2.4 Adjoining Properties

The Subject Property is bordered by the following:

North:	The other 5.4 acres of the former dump site with Madison Avenue and residential land beyond
South:	Residential land
East:	Residential land
West:	The other 5.4 acres of the former dump site with Minnesota Avenue and undeveloped land beyond

At the time of the site visit, the properties immediately surrounding the Subject Property consisted primarily of residential and undeveloped properties. Reconnaissance of the publicly accessible portions of the properties located immediately adjoining the Subject Property, revealed no visible evidence of environmental concerns that could potentially impact the Subject Property.

The 5.4 acres of land located north and west of the Subject Property appears to be scraped and vegetation is sparse in the scraped areas. This appears to be consistent with information from historical sources, which indicates this adjacent property was also part of an unpermitted dump that existed on site for many years.

2.5 PCB Sources

Polychlorinated biphenyl (PCB) is a man-made chemical known to have potential harmful effects on human health and the environment. Federal law banned U.S. production of PCBs as of July 2, 1979. However, PCB-containing materials may still be present in electrical equipment manufactured prior to 1979. No transformers or other suspect PCB-containing equipment was observed at the Subject Property. It is unknown if PCB-containing equipment was dumped into the uncontrolled landfill in the past.

3. ENVIRONMENTAL SETTING

3.1 Regional Physiographic Setting

The Subject Property is located within the Basin and Range Physiographic Province at an elevation of approximately 6,500 feet above mean sea level. The climate of the region is described as Mid-Latitude Steppe, which is characterized by cold winters, hot summers, and semi-arid precipitation conditions (Houghton et. al., 1975). Historical average minimum and maximum annual temperatures for the area, as recorded at the nearest climate station in Ely, Nevada, are 28.3 and 61.1 degrees Fahrenheit, respectively, while historical annual precipitation averages 9.72 inches (Western Regional Climate Center, 2015).

3.2 Geologic Conditions

Based on the geologic map of the adjacent Ely Quadrangle to the south, the subsurface geology of the subject property is extrapolated to be Quaternary-age Older Alluvium. The Older Alluvium is composed of silt, sand, and gravel with localized, poorly consolidated lake deposits. The surficial soils found at the Subject Property consist mainly of Palino very gravelly loam. The unit is classified as hydrologic soil group D, which is characterized by high runoff potential when thoroughly wet, as water is transmitted restricted or very restricted through the soil (NRCS, 2014).

3.3 Surface Water Conditions

There are no surface water bodies such as streams or wetlands located on the Subject Property. The closest major surface water body to the subject property is a system of creeks located within Steptoe Valley to the east. The creeks are known as Murry Creek and Steptoe Creek and flow from south to north. This system is located approximately 6,300 feet east of the Subject Property.

According to the Federal Emergency Management Agency (FEMA), the site is located outside a 100-year flood zone and is listed as being in Zone X, which is characterized as areas determined to be outside the 0.2% annual chance floodplain.

3.4 Groundwater Conditions

Based on a review of the Nevada Division of Water Resources (NDWR) Well Log Database, water wells are located in the vicinity of the Subject Property, but their exact locations have generally not been field-verified. Based on well logs from the surrounding area and a construction report for the Old White Pine County Landfill, the depth to groundwater at the Subject Property is estimated to be approximately 106 to 150 feet below ground surface. Based on localized topography, the groundwater flow direction is estimated to be primarily towards the northeast.

4. SITE HISTORY AND HISTORICAL LAND USE

A historical assessment of the Subject Property was performed through a search and review of historical aerial photographs, historical topographic maps, available Sanborn fire insurance maps, available city directory records, and county records. The purpose of the historical assessment was to identify potential conditions that may have impacted the Subject Property in the past. A summary of our historical assessment is presented below.

4.1 Historical Aerial Photographs

Environmental Data Resources, Inc. (EDR) provided aerial photographs covering the area of the Subject Property for the years: 1990, 1976, 1982, 1999, 2006 and 2010. Aerial photographs for years other than these were not reviewed. A review of the aerial photos indicates that the Subject Property appears to have remained undeveloped since 1954. The aerial photograph in 1954 shows unimproved roads in the vicinity of the Subject Property. In the 1976 aerial photograph, the Subject Property appears to be disturbed. In 2006, the Subject Property appears to have been graded. In 2010, the bermed slopes appear to be more defined due to vegetation and the site appears to be similar to that observed at the time of the site visit. A copy of the historical aerial photograph report that was reviewed is provided in Appendix D.

4.2 Historical Topographic Maps

Historical topographic maps were provided by EDR covering the area of the Subject Property for the years: 1952, 1958, 1978, 1979, and 2017. Topographic maps for years other than these were not reviewed. The review of these maps did reveal roads on and near the Subject Property. However there is no indication of a landfill in any of the topographic maps reviewed for this report. A copy of the historical topographic map report that was reviewed is provided in Appendix D.

4.3 Sanborn Fire Insurance Maps

A Sanborn Map Report for the Subject Property was provided by EDR. However, Sanborn fire insurance maps, which can often provide detailed historical information about a site, have not been published for the area of the Subject Property. A copy of the EDR Sanborn Map Report that was reviewed is provided in Appendix E.

4.4 City Directory Listings

At the request of MGA, EDR searched City Directory listings for East Madison Avenue and Minnesota Avenue. City directory listings as published by Polk's City Directory listings were searched for the years: 1964, 1969, 1974, and 1979. City directory listings as published by Cole Information Services were searched for the years: 1992, 1995, 1999, 2003, 2008, and 2013. The Subject Property was not listed in the City Directory listings reviewed. The City Directory listings indicated that only residential properties are listed since 1992. No listings prior to 1992 were available. A summary of findings from the available city directory listings for the Subject Property and surrounding properties is provided in the table below. A copy of the EDR city directory report that was reviewed is provided in Appendix E.

4.5 White Pine County Assessor's Office

According to the White Pine County Assessor's Office, the Subject Property is listed to be a portion of APN 005-341-17 and APN 005-341-18.

4.5.1 005-341-17

The land use code of this parcel is listed as *Vacant – Single Family Residential*. This parcel is 5.4 acres in size. The current property owner is listed to be "Treasurer as Trustee" with a legal owner name listed to be White Pine County. This entity has owned the property since 1912. Prior to 1912, the property appears to have been owned by the State of Nevada.

4.5.2 005-341-18

The land use code of this parcel is listed as *Single Family Residential with Minor Improvements - No livable structures*. The Subject Property is 5.0 acres in size. The current property owner is listed to be "Treasurer as Trustee" with a legal owner name listed to be White Pine County. This entity has owned the property since 1912. Prior to 1912, the property appears to have been owned by the State of Nevada.

4.6 Interviews

4.6.1 Bill Calderwood

During the site reconnaissance, MGA staff was accompanied by Bill Calderwood, Maintenance Supervisor with White Pine County. He explained that the Subject Property and the adjacent property to the west were both previously used as a landfill. In the mid 2000's, waste was removed from the western adjacent property and compacted on the Subject Property. The waste was then capped and vegetation was provided as a final cover.

4.6.2 Tony Locke

On April 13, 2016, Tony Locke, the former Public Works Director for White Pine County, was interviewed over the phone regarding his knowledge of the landfill. He stated that up until the 1960's the site functioned as a non-structural landfill, and anything and everything was dumped at the landfill. The landfill was rehabilitated via the Brownfields program in the 2000's. During rehabilitation the contractor consolidated half of the landfill to the Subject Property and removed any significant pieces of metal from the surface.

4.6.3 Elaine Blackham

Elaine Blackham, Senior Management Assistant of White Pine County, was contacted on April 5, 2016 regarding her knowledge of the Subject Property. She stated that White Pine County has owned the property since 1912, but had been a landfill since the early 1900's. She said that she remembered going with her parents to the landfill when she was younger to dispose of household wastes. Ms. Blackham explained that after scrapping the adjacent property and consolidating the waste on the Subject Property, some pieces of metal and glass were left in place.

5. RECORDS REVIEW

As defined in ASTM E 1527-13, a *historical recognized environmental condition* is a past release of any hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (to current regulatory standards) or meets unrestricted residential use criteria established by a regulatory authority, without subjecting the property to institutional controls or engineering controls. A HREC will not be considered a REC per ASTM E 1527-13. To the contrary, a *controlled recognized environmental condition* is a REC 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 (i.e., property use restrictions, activity use limitations, institutional/engineering controls, etc.).

A regulatory agency review was conducted through both a commercial database search and local agency inquiries. The purpose of this regulatory agency review was to ascertain if regulatory actions have ever been imposed on the Subject Property, adjoining properties, or on properties within the search radius guidelines established by the 2013 ASTM Standard Practice for Environmental Site Assessments.

5.1 EDR Radius Map Report

At the request of MGA, EDR provided records from federal, state, and local environmental databases for regulatory sites located within the *Approximate Minimum Search Distances* as specified in ASTM E 1527-13. A copy of the EDR report is included herein as Appendix G. Included within the report are summaries of the regulatory databases reviewed, a listing of sites identified within the search radius, detailed data on the identified sites, and maps showing the locations of facilities reported to have had regulatory action. MGA reviewed and evaluated all of the sites in the EDR report.

The Subject Property was identified as a record in the following databases searched by EDR: US Brownfields, Environmental Protection Agency's Facility Index Database System, and Enforcement and Compliance History Online.

In addition, the following regulatory listings were identified within the *Approximate Minimum Search Distances* in the databases searched by EDR: three Nevada State Hazardous Waste sites.

In order to evaluate potential impacts to the Subject Property, a review of pertinent regulatory agency files was conducted. Additional information obtained for each of these sites is provided in Section 5.5 of this report.

The J.B. Hunt Transport Services Mobile Source site that was identified in the EDR Radius Map Report was not researched further because it is considered unlikely to have caused environmental impacts to the Subject Property in the past.

The Pan Southwest Powerline Route site that was identified in the EDR Radius Map Report was not researched further because it is considered unlikely to have caused environmental impacts to the Subject Property in the past.

The O'Flaherty Plumbing and Heating site that was identified in the EDR Radius Map Report was not researched further because it is considered unlikely to have caused environmental impacts to the Subject Property in the past.

The EDR database search also identified a number of sites that could not be mapped due to insufficient address information. MGA reviewed all of these sites and has determined that

one is located far from the Subject Property, For this reason, the unmapped sites are considered unlikely to cause, or to have caused in the past, environmental impact to the Subject Property. The other three sites appear to have been previously located at the Subject Property, and is further discussed in section 5.3.1 of the report. A copy of the EDR Radius Map report that was reviewed is provided in Appendix F.

5.2 EDR Vapor Encroachment Screen

MGA conducted a Vapor Encroachment Screen (VES) investigation in accordance with the 2010 ASTM Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (ASTM E 2600-10). The VES investigation used available information and professional judgment to derive our conclusions. The goal of the VES is to identify the potential for vapors from hazardous substances and petroleum releases to reach the Subject Property. ASTM E2600-10 defines the term, vapor encroachment condition (VEC) as the presence or likely presence of chemical of concern (COC) vapors in the subsurface of the Subject Property caused by the release of vapors from contaminated soil or groundwater or both, either on or near the Subject Property. MGA performed a VES for the area encompassing the Subject Property by reviewing each of the regulatory sites that were provided by EDR within a 1/3 mile primary search radius from the boundary of the Subject Property.

5.2.1 Tier 1 Screening

Initially, two sites were identified within the 1/3 mile primary search radius surrounding the Subject Property. MGA reviewed each of the two sites to evaluate their potential to create a vapor encroachment condition. Of the initial two sites, one site had limited potential for the presence of contaminants of concern for vapor migration to the Subject Property. For the remaining site, a Tier 2 Screening was performed.

5.2.2 Tier 2 Screening

According to the State of Nevada Brownfields Funding Application reviewed for this report, the Subject Property was used as a landfill from the early 1900's through the early 1950's. It appears that waste dumped at the Subject Property included commercial, hospital, household, and construction waste. Based on the available files, the site was unregulated and no records exist which document what types and how much waste was dumped at the site. Some of the items potentially discarded include motor oil, batteries, car parts, dry wall, concrete, lumber, ash, charcoals, paper, household waste, and commercial waste. In addition, chemicals including pesticides and herbicides may also have been dumped. In 2005, it appears that all of the waste from the adjacent five acres was placed on top of the waste that existed at that time on the Subject Property. It was then compacted for final grade and capped. Due to the unknown nature of the actual contents of waste materials dumped at the site, a VEC could not be ruled out for the Subject Property. A copy of the VES report is included herein as Appendix H.

5.3 Nevada Division of Environmental Protection (NDEP) Brownfields Division

The regulatory agency review identified the Subject Property as a regulatory site administered by the NDEP that could potentially impact the Subject Property. Below are the agency files from the NDEP were requested for review.

5.3.1 Old Ely Landfill, Facility ID: F-000034

Based on the files available for review, the Subject Property was used as an uncontrolled town dump from the early 1900's until the 1950's. The landfill was thought to have received solid waste from commercial sources including local businesses and the hospital. In addition, household and construction wastes were also thought to be dumped at the site during the years it was open.

At the time the landfill was open, the site was unregulated and no records exist which documents the type and amount of waste accepted. Some of the items potentially discarded include motor oil, batteries, car parts, dry wall, concrete, lumber, ash, charcoals, paper, household waste, and commercial waste. In addition, chemicals including pesticides and herbicides may also have been dumped.

In 2004, the site was approved for assessment and cleanup through the Nevada Brownfields Program. The waste on the Subject Property was addressed via excavation and removal to the visual extent of all solid waste located on the surface of the Subject Property. The adjacent property to the west was scraped and the waste was consolidated on the Subject Property. The waste was then compacted and capped with compacted soil fill. On July 27, 2007, a No Further Action (NFA) Determination was provided by the Nevada Division of Environmental Protection for the adjacent property. The NFA determination was provided based on the elimination of on-site waste sources.

6. FINDINGS

6.1 General Findings

- The Subject Property was used as an uncontrolled and unpermitted dump from the early 1900's through the late 1950's.
- The landfill was known to have received solid waste from commercial sources including local businesses and the hospital. In addition, household and construction wastes were also dumped at the site during the years it was open.
- At the time the landfill was open, the site was unregulated and no records exist which document the volume and type of waste dumped.
- In 2004, waste from the adjacent 5.4 acres was placed on top of the waste existing on the Subject Property. It was then compacted and capped with fill.

6.2 Historical Recognized Environmental Conditions

No *historical recognized environmental conditions* were found for the Subject Property.

6.3 Controlled Recognized Environmental Conditions

No *controlled recognized environmental conditions* were found for the Subject Property.

6.4 Recognized Environmental Conditions

No *recognized environmental conditions* were found for the Subject Property except as follows:

- Information reviewed for this report indicate that the site was used as an uncontrolled landfill from the early 1900s to the 1950s and many different types of waste may have been dumped at the site in the past. Some of the items potentially discarded include motor oil, batteries, car parts, dry wall, concrete, lumber, ash, charcoals, paper, household waste, and commercial waste. In addition, chemicals including pesticides and herbicides may also have been dumped. This unknown waste remains on the Subject Property below a capped surface.

6.5 Conclusions

MGA has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the property located at the southeast corner of Madison Avenue and Minnesota Avenue near the city limits of Ely in White Pine County, Nevada. Any exceptions to, or deletions from, this practice are described in Section 7 of this report.

Upon conclusion of our Phase I ESA, and based on the information reviewed, this assessment has revealed no evidence of recognized environmental conditions or controlled recognized environmental conditions in connection with the Subject Property, except for the following:

- Information reviewed for this report indicate that the site was used as an uncontrolled landfill from the early 1900s to the 1950s and many different types of waste may have been dumped at the site in the past. Some of the items potentially discarded include motor oil, batteries, car parts, dry wall, concrete, lumber, ash, charcoals, paper, household waste, and commercial waste. In addition, chemicals including pesticides and herbicides may also have been dumped. This unknown waste remains on the Subject Property below a capped surface.

Based on the information reviewed for this assessment, MGA is of the opinion that additional investigations at the Subject Property are warranted at this time.

7. LIMITATIONS

7.1 General

The conclusions and recommendations presented above are based upon the agreed scope of work outlined in the above report. McGinley and Associates, Inc. makes no warranties or guarantees as to the accuracy or completeness of information obtained from others. It is possible that information exists beyond the scope of this investigation. Additional information, which is not available to McGinley and Associates, Inc. at the time of writing the report, may result in a modification of the conclusions and recommendations presented. The services performed by McGinley and Associates, Inc. have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. This report is not a legal opinion, but may under certain circumstances be prepared at the direction of counsel, may be in anticipation of litigation, and may be classified as an attorney-client communication or as an attorney work product.

This report has been prepared for the sole use of the addressee of this report, and cannot be released without consent from McGinley & Associates Inc. If a third party relies on the information provided in this report, McGinley and Associates, Inc. accepts no responsibility for damages suffered by the third party as a result of reliance of information contained in this report, and that nothing contained in this report shall create a contractual relationship or cause the third party to bring suit against McGinley & Associates, Inc.

7.2 Data Gaps

The following data gaps were identified during the course of performance of this Phase I ESA:

- Historical aerial photographs were not available prior to 1954. However, this data gap is not considered significant since it is likely all information obtained would be duplicative of information obtained from other sources.
- Historical information found for the Subject Property may have exceeded five-year intervals. This data gap is not considered significant as specific use of the property and adjoining properties appears unchanged during the period of time that exceeded five years.

8. SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We certify that, to the best of our knowledge and belief, we meet the definition of Environmental Professionals, as defined in 40 CFR §312.10(b). We have specific qualifications based on education, training, and experience to assess a property of this nature, history, and setting. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes of the environmental professionals utilized in performance of this Phase I ESA are attached in Appendix I.

Respectfully Submitted:

McGinley and Associates, Inc.

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession, and to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances.



Lauren Bruno
Staff Scientist

Reviewed by:



Brett Bottenberg, C.E.M. #1690, Exp. Date 10/7/2017
Project Manager

9. REFERENCES

ASTM, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM E 1527-13.

ASTM Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions, ASTM E 2600-13.

Brokaw, A.L., 1967. *Geologic Map and Sections of the Ely Quadrangle, White Pine County, Nevada*, U.S. Geological Survey, Geologic Quadrangle Map GQ-697.

Ecology & Environment, Inc. 2001. *Brownfields targeted site assessment phase II investigation sampling and analysis plan, Shoshone Tribal Lands, White Pine County, Ely, Nevada*.

Environmental Data Resources (EDR), April 8, 2016. Certified Sanborn Map Report. Inquiry Number: 4587118.3.

EDR, April 8, 2016. The EDR Radius Map Report with GeoCheck. Inquiry Number: 4587118.2s.

EDR, April 8, 2016. EDR Historical Topographic Map Report. Inquiry Number: 4587118.4.

EDR, April 8, 2016. The EDR Aerial Photo Decade Package. Inquiry Number: 4587118.9.

EDR, April 11, 2016. The EDR-City Directory Image Report. Inquiry Number: 4587118.5.

EDR, April 8, 2016. EDR Vapor Encroachment Screen. Inquiry Number: 4587118.6s.

Federal Emergency Management Agency (FEMA), FIRM Map of White Pine County, Nevada, Panel 3050 of 4450, Map Number 32033C3050G, Map Revised November 16, 2011.

Houghton, John. G., Clarence M. Sakamoto, and Richard O. Gifford, 1975. Nevada's Weather and Climate. Special Publication 2. Nevada Bureau of Mines and Geology, Mackay School of Mines, University of Nevada, Reno.

MACTEC, 2005, *Geophysical Investigation Report*. Old White Pine County Landfill, Brownfields Project, 10-acre parcel at southeast corner of Madison and Michigan, Ely, Nevada.

Natural Resources Conservation Service, 2014. Web Soil Survey: White Pine County, Nevada, South Part. Version 8, August 12, 2014. United States Department of Agriculture. (<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>).

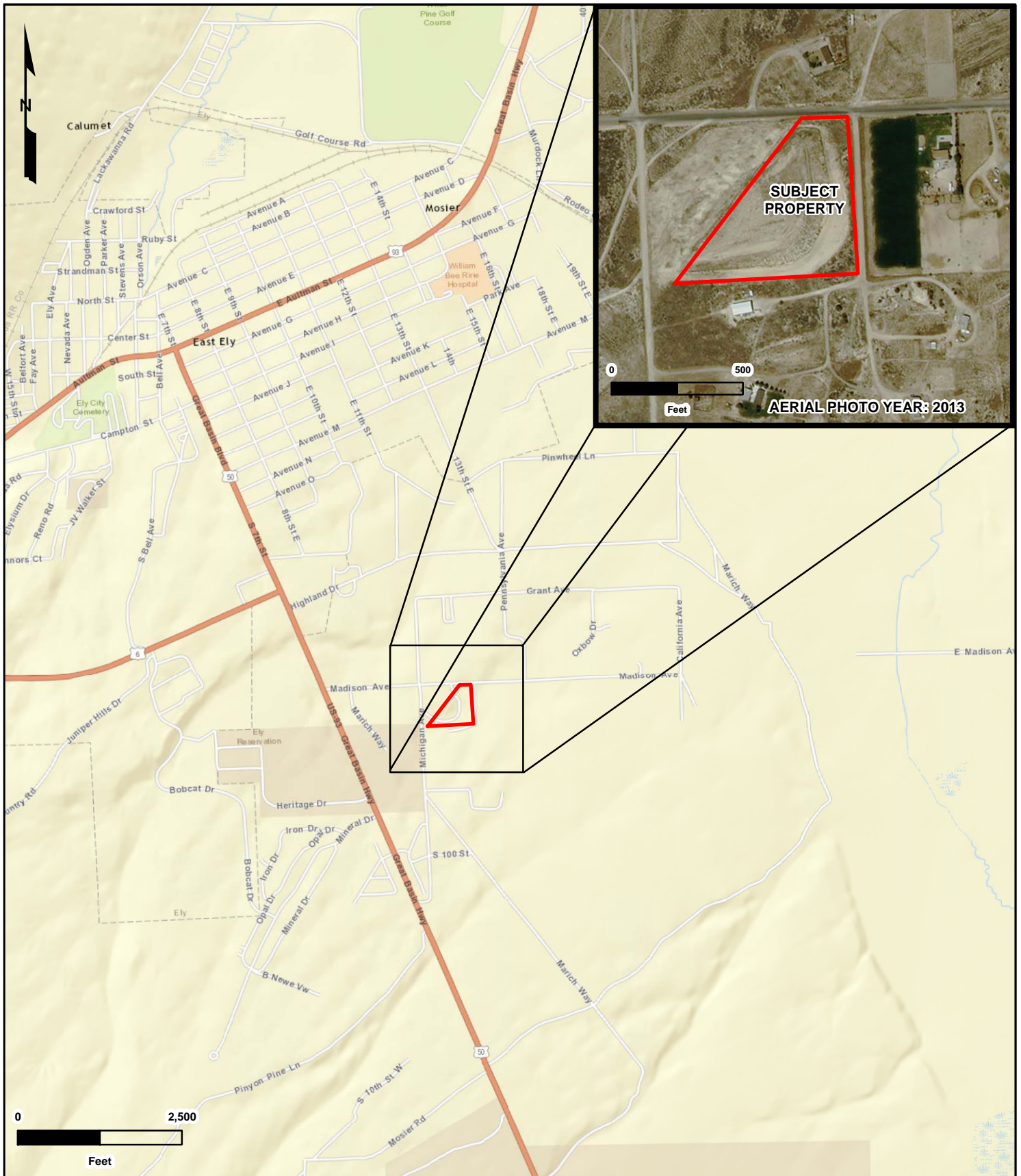
Nevada Division of Water Resources Well Log Database (online), (<http://water.nv.gov>).

Rigby, James G., Et al. 1994. Radon in Nevada. Bulletin 108. Nevada Bureau of Mines and Geology, University of Nevada Reno.

United States Department of Agriculture, Natural Resources Conservation Service. 1997. National Engineering Handbook - Part 630 Hydrology. H_210_NEH_630 - Part 630 – Hydrology.

White Pine County Assessor's Office (online), (<http://www.whitepinecounty.us/assessor/index.htm>).

Western Regional Climate Center (WRCC), 2015. Desert Research Institute Website (<http://www.wrcc.dri.edu/climatedata/climsum/>).



NO.	BY	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

FIGURE 1

PROJECT LOCATION MAP

-SHOWING-

APN 005-341-17 AND 18

MADISON AVE

ELY, NEVADA



McGinley & Associates

Environmental Engineering and Science

RENO | LAS VEGAS | www.mcgin.com

COORDINATE SYSTEM:

NAD 1983 UTM Zone 11N



NO.	BY	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

FIGURE 2

SITE MAP
-SHOWING-
APN 005-341-17 AND 18
MADISON AVE
ELY, NEVADA



McGinley & Associates
Environmental Engineering and Science
RENO | LAS VEGAS | www.mgin.com

COORDINATE SYSTEM:
NAD 1983 UTM Zone 11N

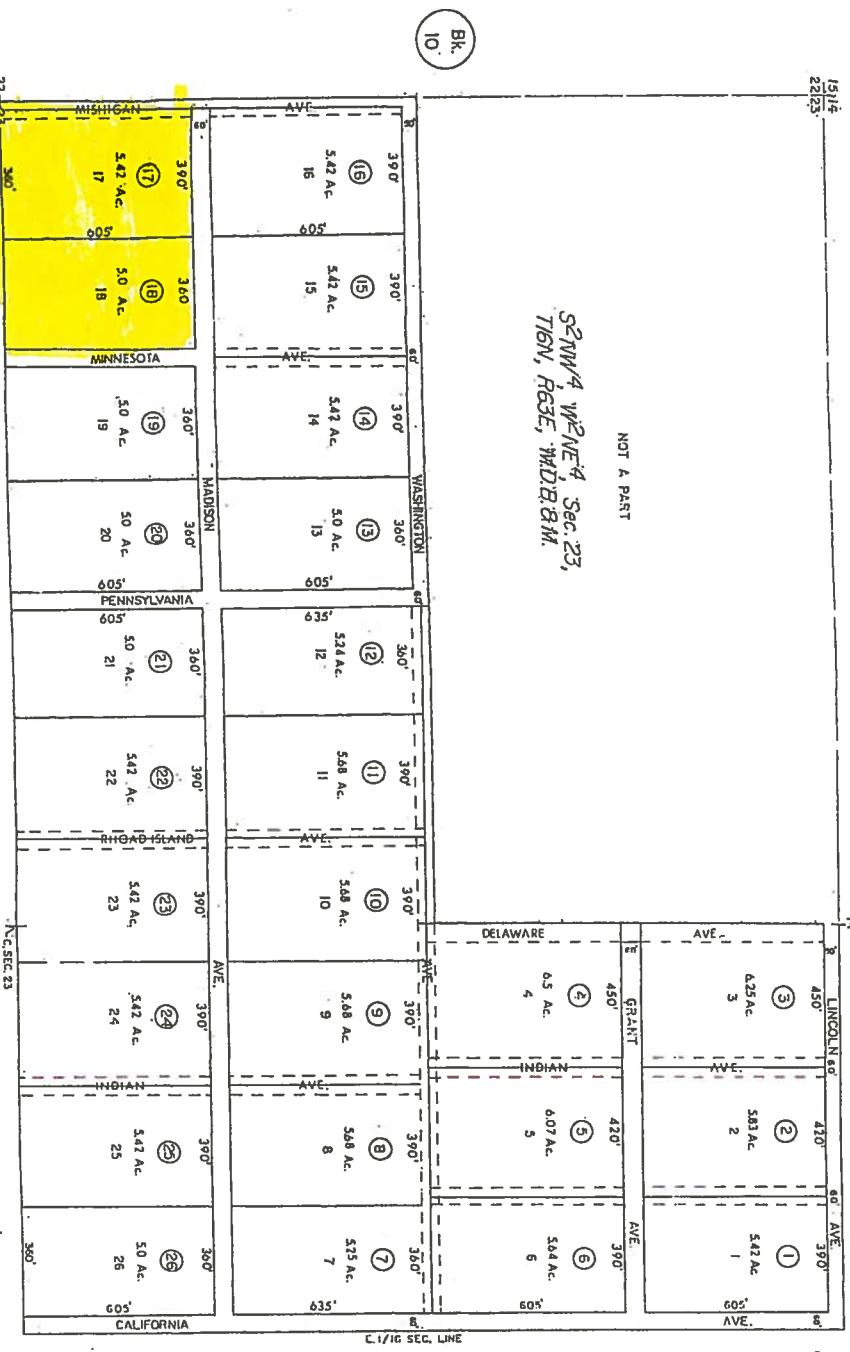
APPENDIX A

Assessor's Map and Parcel Information

Note: This plat is for assessment use only and does not represent a survey. No liability is assumed as to the accuracy of the data delineated hereon. Use of this plat for other than assessment purposes are forbidden unless approved by the Dept. of Taxation or White Pine County Assessor's Office.

Book 05
INDEX MAP
Pg. 34

This page 05-341's



Bk. 10

Bk. 10

Pearce's 5 Ac. Sub.

0000000134

WHITE PINE COUNTY *Nevada*

[Assessor Home](#)
[Personal Property](#)
[Sales Data](#)
[Secured Tax Inquiry](#)
[Recorder Search](#)
[GIS Map](#)

Parcel Detail for Parcel # 005-341-17

Location

Property Location

Town

[Add'l Addresses](#)

District 5.2 - PEARCE ADDITION

Subdivision PEARCE SUBDIVISION Lot 17 Block [Legal Description](#)

Property Name

Ownership

Assessed Owner Name TREASURER AS TRUSTEE

Mailing Address 801 CLARK STREET SUITE #2 ELY, NV 89301

[Ownership History](#)

[Document History](#)

Legal Owner Name WHITE PINE COUNTY

Vesting Doc #, Date 00/00/00 Book / Page /

Map Document #s

Description

Total Acres 5.420

Square Feet 0

Ag Acres .000

W/R Acres .000

Improvements

Single-family Detached 0 Non-dwelling Units 0 Bedrooms / Baths 0 / .00

Single-family Attached 0 Mobile Home Hookups 0 Stories .0

Multiple-family Units 0 Wells 0 Garage Square Ft... 0

Mobile Homes 0 Septic Tanks 0 Attached / Detached

Total Dwelling Units 0

Buildings Sq Ft 0

Residence Sq Ft 0

Basement Sq Ft 0

Basement

[Improvement List](#)

Finished Basement SF 0 Bedrooms / Baths 0 / .00

Appraisal Classifications

Current Land Use Code 120 [Code Table](#)

Zoning Code(s)

Re-appraisal Group 5

Re-appraisal Year 2015

Original Construction Year

Weighted Year

Assessed Valuation

Assessed Values	2016-17	2015-16	2014-15
Land	10,995	10,994	10,994
Improvements	0	0	0
Personal Property	0	0	0
Ag Land	0	0	0
Exemptions	0	0	0
Net Assessed Value	10,995	10,994	10,994

Increased (New) Values

Land	0	0	0
Improvements	0	0	0
Personal Property	0	0	0

Taxable Valuation

Taxable Values	2016-17	2015-16	2014-15
Land	31,414	31,411	31,411
Improvements	0	0	0
Personal Property	0	0	0
Ag Land	0	0	0
Exemptions	0	0	0
Net Taxable Value	31,414	31,411	31,411

Increased (New) Values

Land	0	0	0
Improvements	0	0	0
Personal Property	0	0	0

[Back to Search List](#)

Ownership History for Parcel # 005-341-17

Current Owners

<u>Name</u>	<u>From</u>
TREASURER AS TRUSTEE BOX 510 ELY, NV 89301-0000	1912

Prior Owners

<u>Name</u>	<u>From</u>	<u>To</u>
STATE OF NEVADA 37-436	0	1912

NOTE: This is not a complete history and should not be used in place of a title search.

[Go Back](#)

WHITE PINE COUNTY Nevada

[Assessor Home](#)
[Personal Property](#)
[Sales Data](#)
[Secured Tax Inquiry](#)
[Recorder Search](#)
[GIS Map](#)

Parcel Detail for Parcel # 005-341-18

Location

Property Location

Town

[Add'l Addresses](#)

District 5.2 - PEARCE ADDITION

Subdivision PEARCE SUBDIVISION Lot 18 Block [Legal Description](#)

Property Name

Ownership

Assessed Owner Name TREASURER AS TRUSTEE

Mailing Address 801 CLARK STREET SUITE #2 ELY, NV 89301

[Ownership History](#)

[Document History](#)

Legal Owner Name WHITE PINE COUNTY

Vesting Doc #, Date 00/00/00 Book / Page /

Map Document #s

Description

Total Acres 5.000

Square Feet 0

Ag Acres .000

W/R Acres .000

Improvements

Single-family Detached 0 Non-dwelling Units 0 Bedrooms / Baths 0 / .00

Single-family Attached 0 Mobile Home Hookups 0 Stories .0

Multiple-family Units 0 Wells 0 Garage Square Ft... 0

Mobile Homes 0 Septic Tanks 0 Attached / Detached

Total Dwelling Units 0

Buildings Sq Ft 0

Residence Sq Ft 0

Basement Sq Ft 0

Basement

[Improvement List](#)

Finished Basement SF 0 Bedrooms / Baths 0 / .00

Appraisal Classifications

Current Land Use Code 282 [Code Table](#)

Zoning Code(s)

Re-appraisal Group 5

Re-appraisal Year 2015

Original Construction Year

Weighted Year

Assessed Valuation

Assessed Values	2016-17	2015-16	2014-15
Land	10,143	10,142	10,142
Improvements	6,081	0	0
Personal Property	0	0	0
Ag Land	0	0	0
Exemptions	0	0	0
Net Assessed Value	16,224	10,142	10,142

Increased (New) Values

Land	0	0	0
Improvements	6,081	0	0
Personal Property	0	0	0

Taxable Valuation

Taxable Values	2016-17	2015-16	2014-15
Land	28,980	28,977	28,977
Improvements	17,374	0	0
Personal Property	0	0	0
Ag Land	0	0	0
Exemptions	0	0	0
Net Taxable Value	46,354	28,977	28,977

Increased (New) Values

Land	0	0	0
Improvements	17,374	0	0
Personal Property	0	0	0

[Back to Search List](#)

Ownership History for Parcel # 005-341-18

Current Owners

<u>Name</u>	<u>From</u>
TREASURER AS TRUSTEE BOX 510 ELY, NV 89301-0000	1912

Prior Owners

<u>Name</u>	<u>From</u>	<u>To</u>
STATE OF NEVADA 37-436	0	1912

NOTE: This is not a complete history and should not be used in place of a title search.

[Go Back](#)

APPENDIX B

User Questionnaire

APPENDIX C

Site Photographs



Photograph 1:
View of the Subject Property, looking west.



Photograph 2:
Overview of the Subject Property, looking south.



Photograph 3:
Northern edge of the Subject Property, looking east.



Photograph 4:
Southern edge of the Subject Property, looking east.



Photograph 5:
Eastern edge of the Subject Property looking north.



Photograph 6:
Western edge of the Subject Property looking south



Photograph 7:
Adjacent Madison Avenue to the north of the Subject Property with residential
land beyond



Photograph 8:
Adjacent property to the south



Photograph 9:
Adjacent property to the east of the Subject Property



Photograph 10:
Adjacent property to the west of the Subject Property



Photograph 11:
View of vegetation on top of the covered landfill looking south



Photograph 12:
View of Subject Property looking northeast



Photograph 13:
View of rock berm on top of the covered landfill



Photograph 14:
View of covered landfill sloping east



Photograph 15:
View of typical residential debris



Photograph 16:
View of automobile debris

APPENDIX D

Historical Aerial Photographs and Topographic Maps



Old White Pine County Landfill Excavated & Waste

Madison Avenue/ Minnesota Avenue

Ely, NV 89301

Inquiry Number: 4587118.9

April 08, 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

04/08/16

Site Name:

Old White Pine County Landfill
Madison Avenue/ Minnesota Ave
Ely, NV 89301
EDR Inquiry # 4587118.9

Client Name:

McGinley Associates
815 Maestro Drive
Reno, NV 89511
Contact: Lauren Bruno



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>
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1999	1"=500'	Acquisition Date: September, 07 1999	USGS/DOQQ
1990	1"=750'	Flight Date: July, 05 1990	USGS
1982	1"=1000'	Flight Date: August, 04 1982	USGS
1976	1"=750'	Flight Date: October, 09 1976	USGS
1954	1"=750'	Flight Date: April, 21 1954	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



Subject Property

INQUIRY #: 4587118.9

YEAR: 2010

1" = 500'



Subject Property

INQUIRY #: 4587118.9

YEAR: 2006

— = 500'





Subject Property

INQUIRY #: 4587118.9

YEAR: 1999

— = 500'



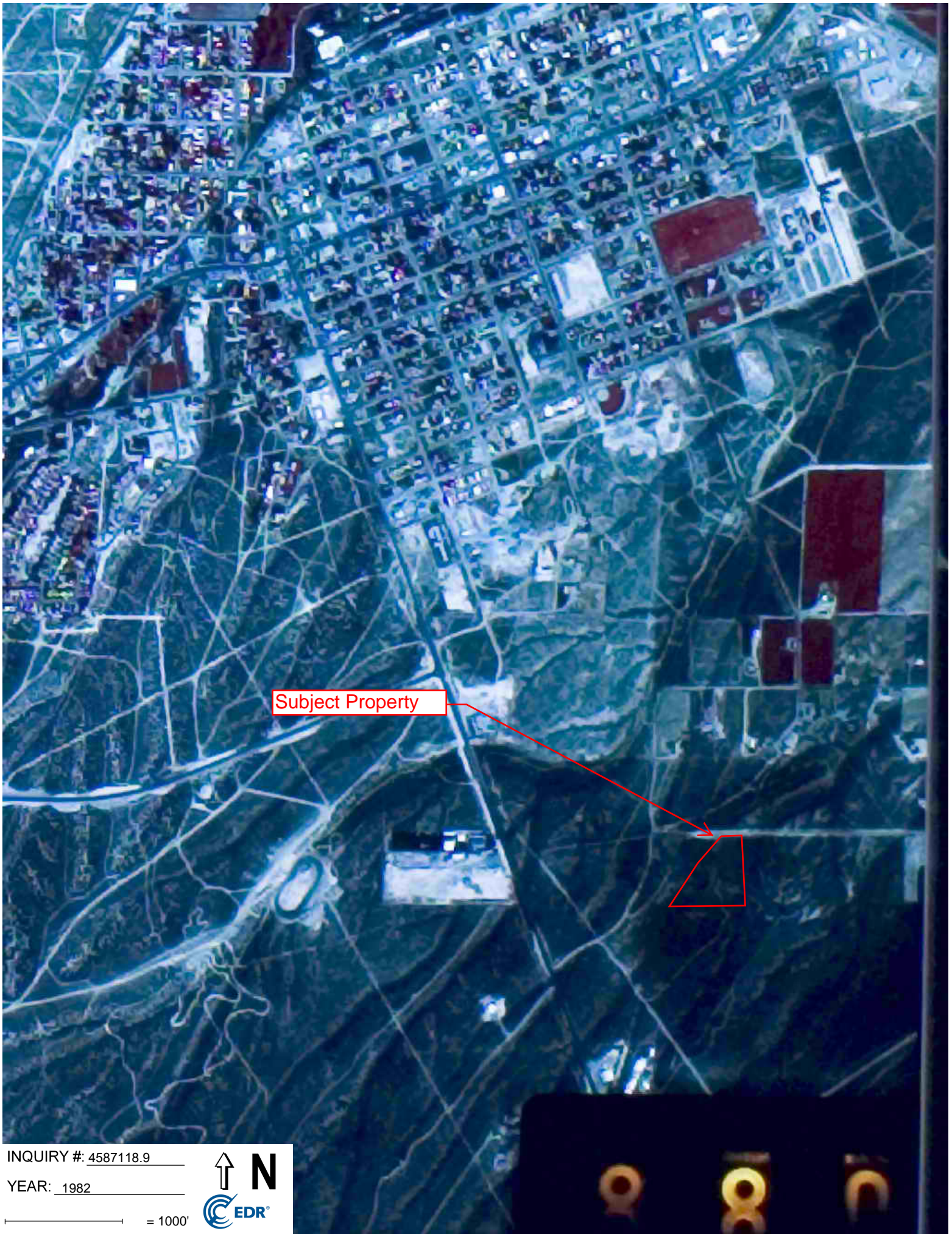
Subject Property

INQUIRY #: 4587118.9

YEAR: 1990



= 750'



Subject Property

INQUIRY #: 4587118.9

YEAR: 1982

1" = 1000'





Subject Property

INQUIRY #: 4587118.9

YEAR: 1976

— = 750'






Subject Property

INQUIRY #: 4587118.9

YEAR: 1954

— = 750'





Old White Pine County Landfill Excavated & Waste
Madison Avenue/ Minnesota Avenue
Ely, NV 89301

Inquiry Number: 4587118.4

April 08, 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

04/08/16

Site Name:

Old White Pine County Landfill
Madison Avenue/ Minnesota Ave
Ely, NV 89301
EDR Inquiry # 4587118.4

Client Name:

McGinley Associates
815 Maestro Drive
Reno, NV 89511
Contact: Lauren Bruno



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by McGinley Associates 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:	39.238297 39° 14' 18" North
Project:	BRN032 & BRN033	Longitude:	-114.860002 -114° 51' 36" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	684691.68
		UTM Y Meters:	4345403.49
		Elevation:	0.00' above sea level

Maps Provided:

2014
1978, 1979
1958
1952

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

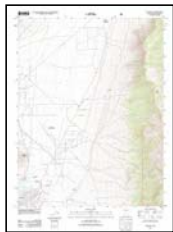
Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

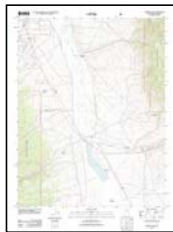
Topo Sheet Key

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

2014 Source Sheets



East Ely
2014
7.5-minute, 24000



Comins Lake
2014
7.5-minute, 24000

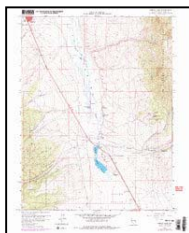


Ruth
2014
7.5-minute, 24000

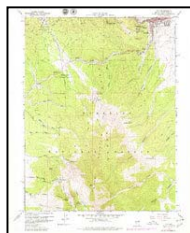


Ely
2014
7.5-minute, 24000

1978, 1979 Source Sheets



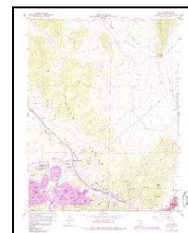
Comins Lake
1978
7.5-minute, 24000
Photo Revised 1978
Aerial Photo Revised 1976



Ely
1978
7.5-minute, 24000
Photo Revised 1978
Aerial Photo Revised 1976

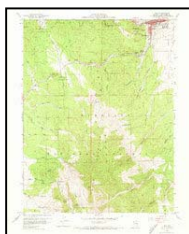


East Ely
1979
7.5-minute, 24000
Photo Revised 1979
Aerial Photo Revised 1976

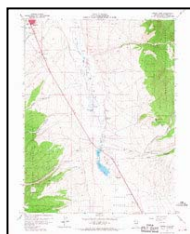


Ruth
1979
7.5-minute, 24000
Photo Revised 1979
Aerial Photo Revised 1976

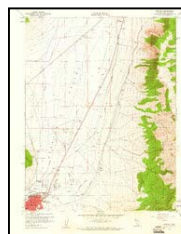
1958 Source Sheets



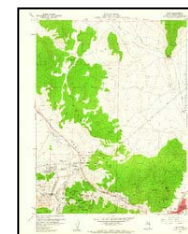
Ely
1958
7.5-minute, 24000
Aerial Photo Revised 1956



Comins Lake
1958
7.5-minute, 24000
Aerial Photo Revised 1956



East Ely
1958
7.5-minute, 24000
Aerial Photo Revised 1956



Ruth
1958
7.5-minute, 24000
Aerial Photo Revised 1956

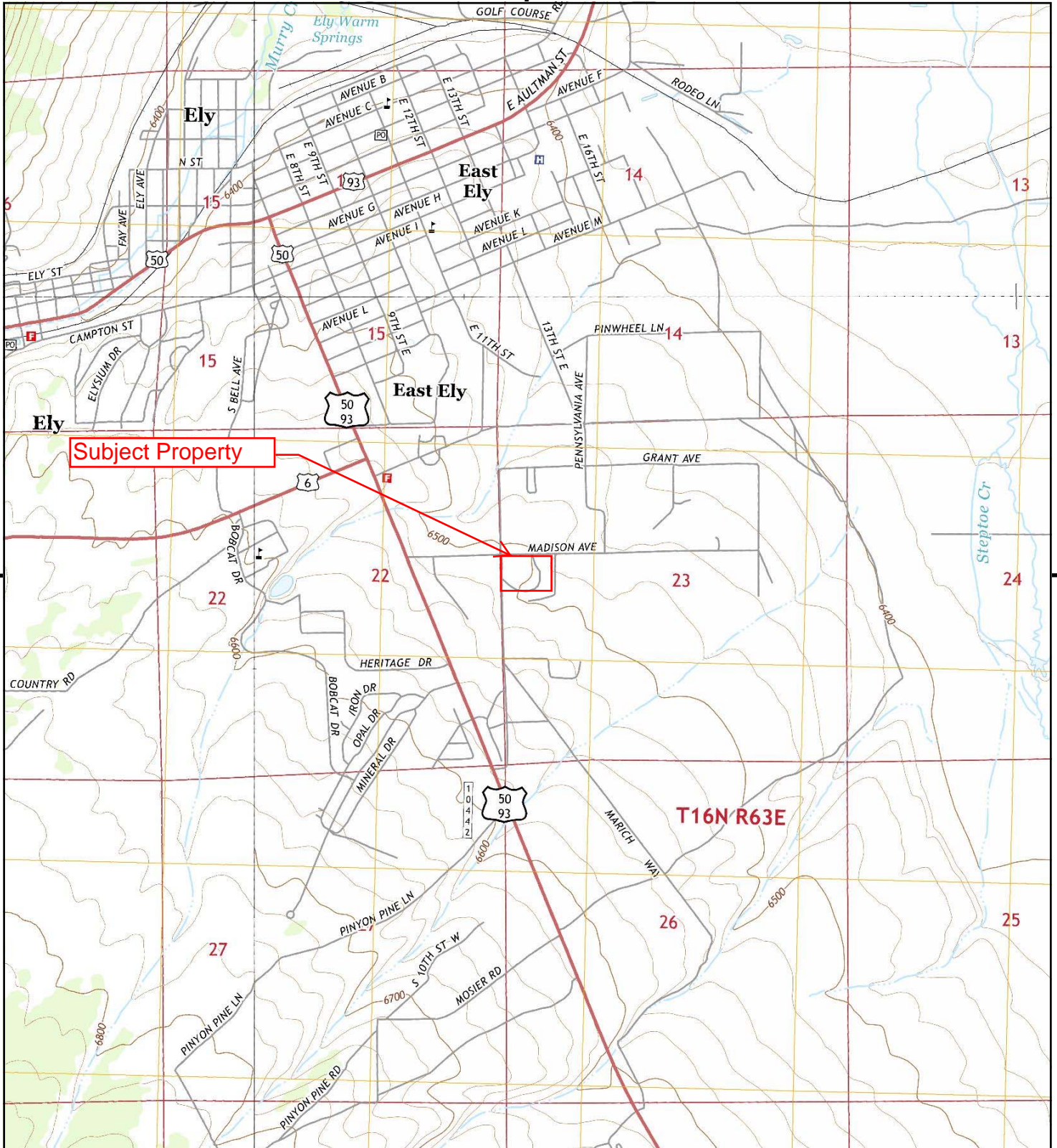
1952 Source Sheets



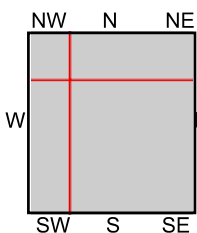
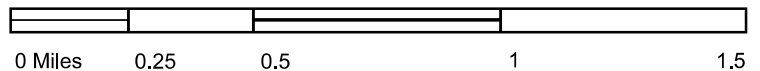
Ely
1952
30-minute, 125000
Aerial Photo Revised 1949

Historical Topo Map

2014



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



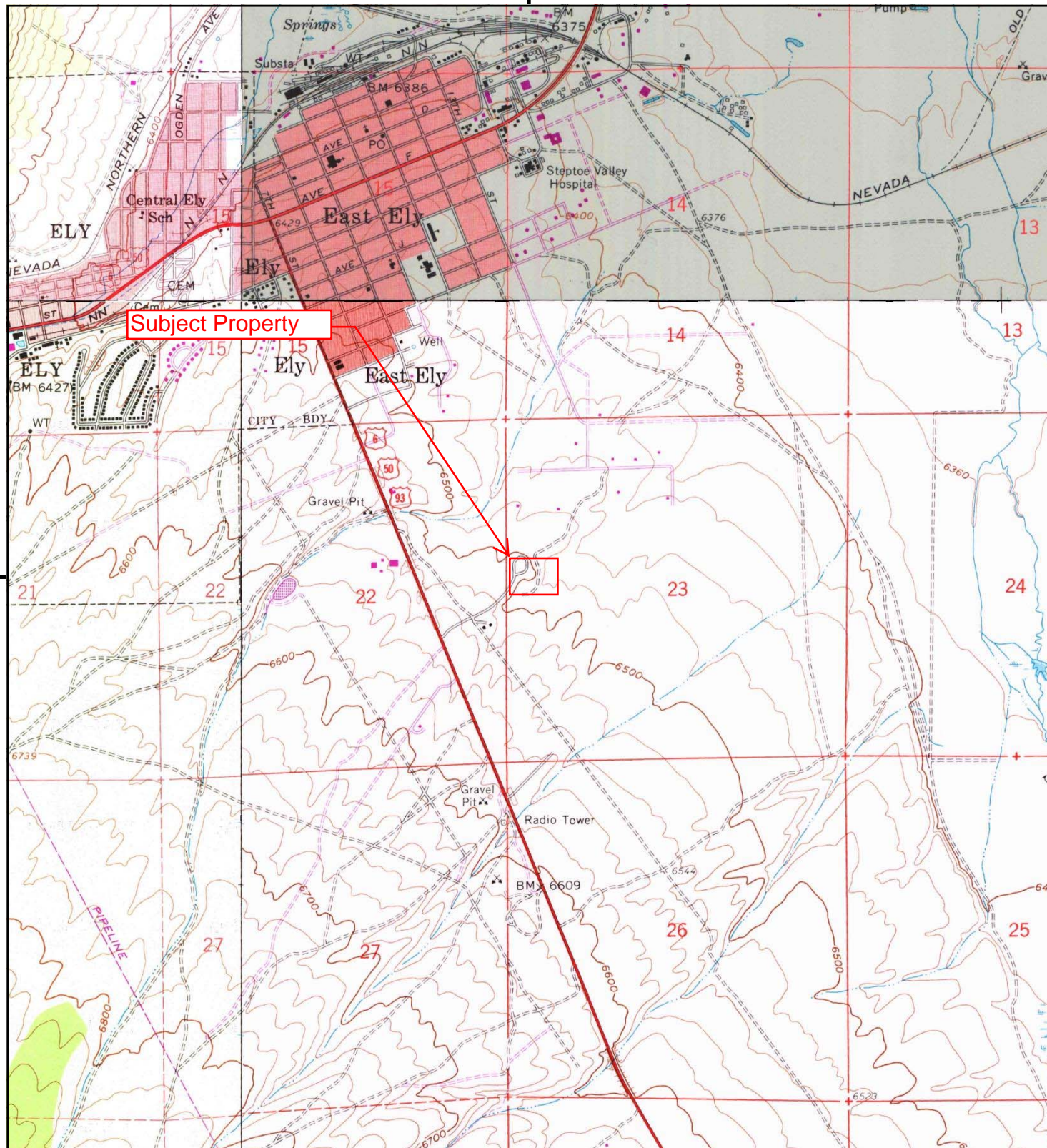
TP, Comins Lake, 2014, 7.5-minute
NE, East Ely, 2014, 7.5-minute
SW, Ely, 2014, 7.5-minute
NW, Ruth, 2014, 7.5-minute

SITE NAME: Old White Pine County Landfill Excavatec
ADDRESS: Madison Avenue/ Minnesota Avenue
Ely, NV 89301
CLIENT: McGinley Associates

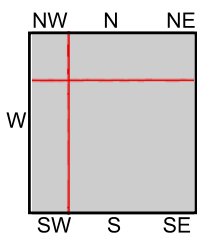
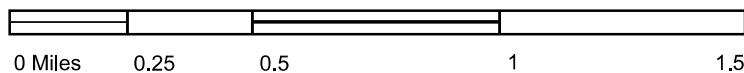


Historical Topo Map

1978, 1979



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



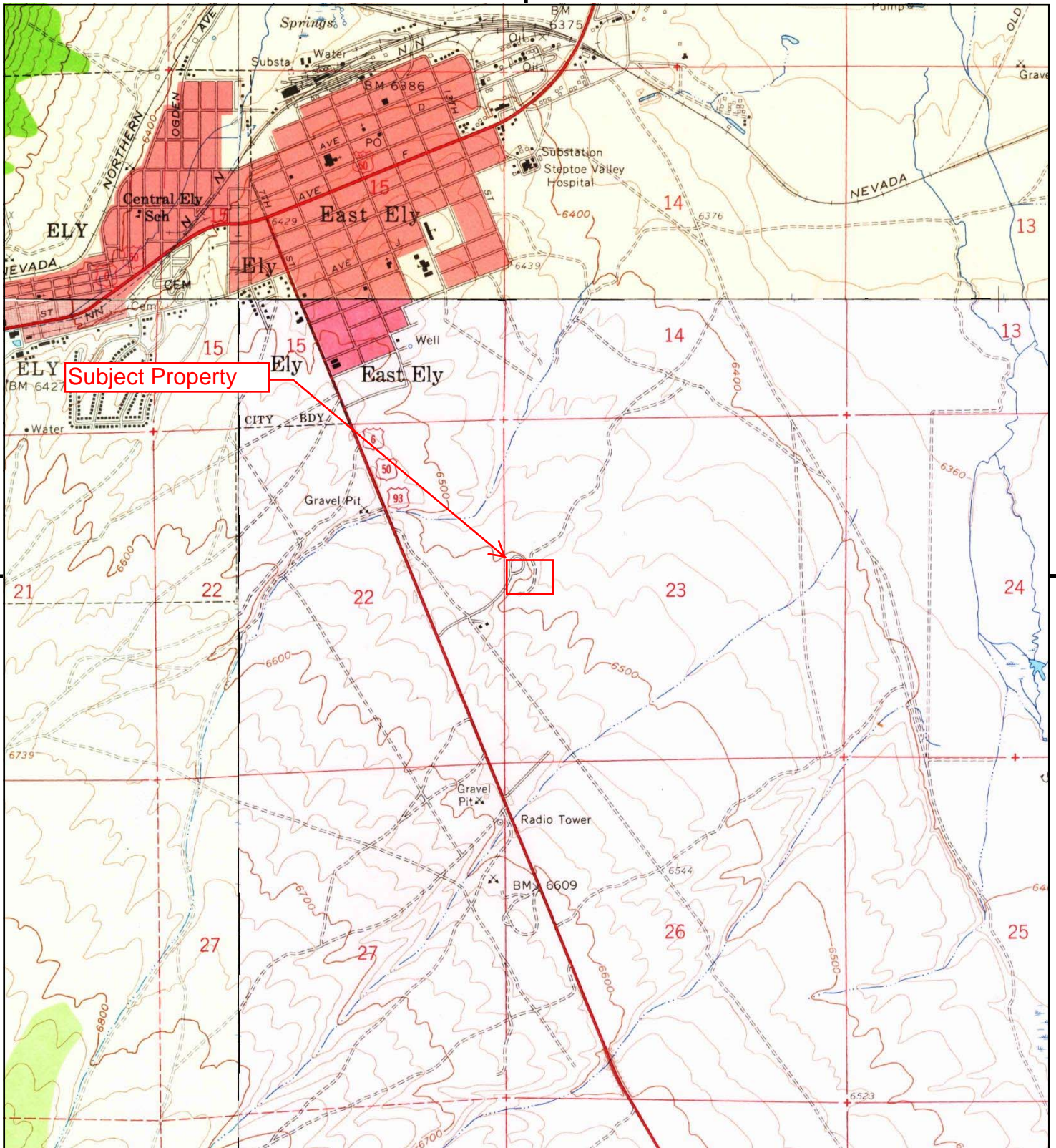
TP, Comins Lake, 1978, 7.5-minute
NE, East Ely, 1979, 7.5-minute
SW, Ely, 1978, 7.5-minute
NW, Ruth, 1979, 7.5-minute

SITE NAME: Old White Pine County Landfill Excavatec
ADDRESS: Madison Avenue/ Minnesota Avenue
Ely, NV 89301
CLIENT: McGinley Associates

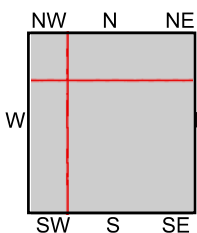


Historical Topo Map

1958



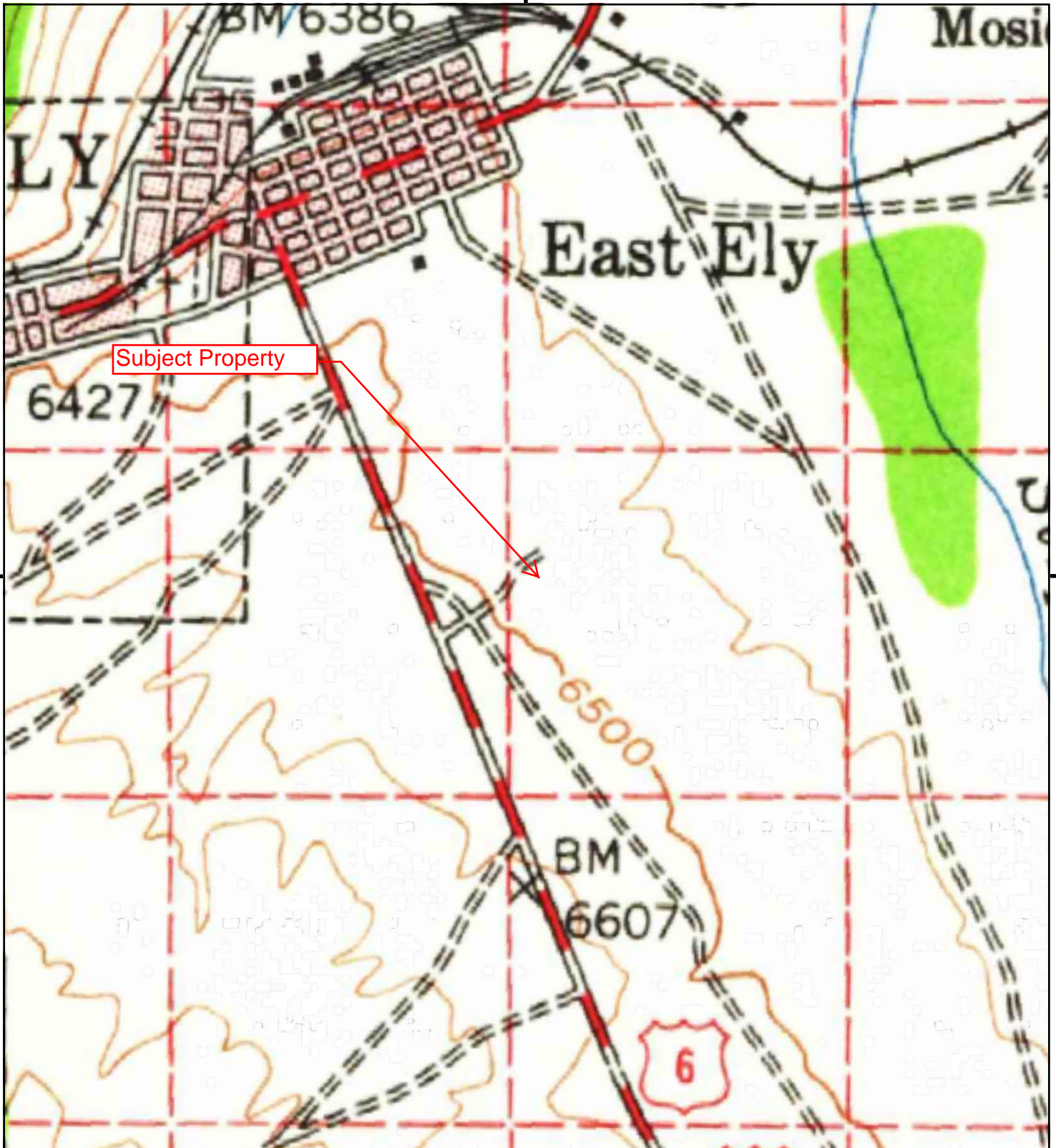
This report includes information from the following map sheet(s).



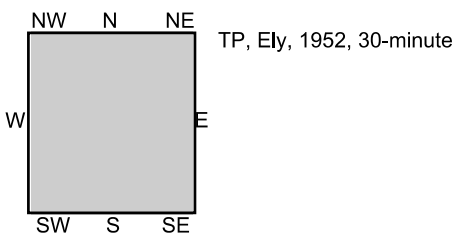
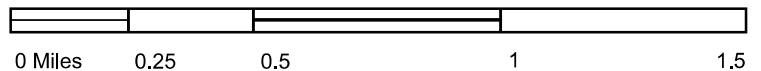
TP, Comins Lake, 1958, 7.5-minute
NE, East Ely, 1958, 7.5-minute
SW, Ely, 1958, 7.5-minute
NW, Ruth, 1958, 7.5-minute

SITE NAME: Old White Pine County Landfill Excavatec
ADDRESS: Madison Avenue/ Minnesota Avenue
Ely, NV 89301
CLIENT: McGinley Associates





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



SITE NAME: Old White Pine County Landfill Excavatec
 ADDRESS: Madison Avenue/ Minnesota Avenue
 Ely, NV 89301
 CLIENT: McGinley Associates



APPENDIX E

Sanborn Map Report and City Directory Listings



Old White Pine County Landfill Excavated & Waste

Madison Avenue/ Minnesota Avenue

Ely, NV 89301

Inquiry Number: 4587118.3

April 08, 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

04/08/16

Site Name:

Old White Pine County Landfill
Madison Avenue/ Minnesota A
Ely, NV 89301
EDR Inquiry # 4587118.3

Client Name:

McGinley Associates
815 Maestro Drive
Reno, NV 89511
Contact: Lauren Bruno



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by McGinley Associates 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 # 989E-4C4C-9749
PO # NA
Project BRN032 & BRN033

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 #: 989E-4C4C-9749

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™

Limited Permission To Make Copies

McGinley Associates (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Old White Pine County Landfill Excavated & Waste

Madison Avenue/ Minnesota Avenue
Ely, NV 89301

Inquiry Number: 4587118.5
April 11, 2016

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1979	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1974	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1969	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1964	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

FINDINGS

TARGET PROPERTY STREET

Madison Avenue/ Minnesota Avenue
Ely, NV 89301

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

E MADISON AVE

2013	pg A1	Cole Information Services	
2008	pg A3	Cole Information Services	
2003	pg A5	Cole Information Services	
1999	pg A7	Cole Information Services	
1995	-	Cole Information Services	Target and Adjoining not listed in Source
1992	-	Cole Information Services	Target and Adjoining not listed in Source
1979	-	Polk's City Directory	Street not listed in Source
1974	-	Polk's City Directory	Street not listed in Source
1969	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source

MADISON AV

1999	pg A8	Cole Information Services
------	-------	---------------------------

MADISON AVE

1995	pg A9	Cole Information Services	
1992	pg A10	Cole Information Services	
1979	-	Polk's City Directory	Street not listed in Source
1974	-	Polk's City Directory	Street not listed in Source
1969	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source

MINNESOTA AVE

2013	pg A2	Cole Information Services	
2008	pg A4	Cole Information Services	
2003	pg A6	Cole Information Services	
1999	-	Cole Information Services	Target and Adjoining not listed in Source

FINDINGS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
1995	-	Cole Information Services	Target and Adjoining not listed in Source
1992	-	Cole Information Services	Target and Adjoining not listed in Source
1979	-	Polk's City Directory	Street not listed in Source
1974	-	Polk's City Directory	Street not listed in Source
1969	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

E MADISON AVE**2013**

95	WENDY ANDERSON
131	JASON JABLONSKY
133	SAM LEYBA
210	MEGAN NORCROSS
250	ROSEMARY STEPHENSON
251	OCCUPANT UNKNOWN
290	SAM LEYBA
291	OCCUPANT UNKNOWN
330	WILLIAM WAGERS
331	OCCUPANT UNKNOWN
370	ROBERT MILLER
371	HAL BYBEE

MINNESOTA AVE 2013

859	OCCUPANT UNKNOWN
889	JC POPLIN

E MADISON AVE**2008**

95	WENDY ANDERSON
131	SAM LEYBA
330	WILLIAM WAGERS
370	ROBERT MILLER
371	JACOB R BYBEE

MINNESOTA AVE 2008

860 CHESTER WESTLING
889 JC POPLIN

E MADISON AVE**2003**

131	SAM LEYBA
251	OCCUPANT UNKNOWN
290	OCCUPANT UNKNOWN
291	OCCUPANT UNKNOWN
370	ROBERT MILLER
371	HAL BYBEE

MINNESOTA AVE 2003

859 KAY WEISS

E MADISON AVE

1999

131 SAM LEYBA
290 LOLA BETTRIDGE
330 DIANNE WAGERS
371 HAL BYBEE

MADISON AV 1999

0 BRUCE BETTRIDGE
JACK NORCROSS
KEITH ANDERSON
MEGAN NORCROSS

MADISON AVE 1995

0	ANDERSON, KEITH
	BETTRIDGE, BRUCE
	NORCROSS, JACK
	NORCROSS, MEGAN
	ROSE, CLAUDE J
10	STEPHENSON, R

MADISON AVE 1992

0	ANDERSON, KEITH
	BETTRIDGE, BRUCE
	MEDINA, DAVID
	MEDINA, JAMIE
	NORCROSS, DARREN
	NORCROSS, JACK
	SALISBURY, DOUGLAS
10	STEPHENSON, R

APPENDIX F

EDR Radius Map Report

Old White Pine County Landfill Excavated & Waste

Madison Avenue/ Minnesota Avenue

Ely, NV 89301

Inquiry Number: 4587118.2s

April 08, 2016

EDR Summary Radius Map Report

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	17
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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

MADISON AVENUE/ MINNESOTA AVENUE
ELY, NV 89301

COORDINATES

Latitude (North): 39.2382970 - 39° 14' 17.86"
Longitude (West): 114.8600020 - 114° 51' 36.00"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 684696.4
UTM Y (Meters): 4345195.0
Elevation: 6505 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey
Target Property:	NE
Source:	U.S. Geological Survey
Target Property:	SW
Source:	U.S. Geological Survey
Target Property:	NW
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20100610, 20100705, 20100620
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
MADISON AVENUE/ MINNESOTA AVENUE
ELY, NV 89301

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	OLD ELY LANDFILL	INTERSECTION OF MADI	US BROWNFIELDS, FINDS, ECHO	Lower	33, 0.006, WNW
A2	J.B. HUNT TRANSPORT	1690 SOUTH GREAT BAS	SHWS	Higher	2795, 0.529, NW
A3	PAN SOUTHWEST POWERL	1600 GREAT BASIN BLV	SHWS, NPDES	Higher	3024, 0.573, NW
4	OFLAHERTY PLUMBING &	705 AVENUE K	SHWS, UST	Lower	4889, 0.926, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

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

State- and tribal - equivalent CERCLIS

SHWS: A review of the SHWS list, as provided by EDR, and dated 10/28/2015 has revealed that there are 3 SHWS sites 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>
J.B. HUNT TRANSPORT Facility Id: F-000036 Date Closed: 9/13/2005	1690 SOUTH GREAT BAS	NW 1/2 - 1 (0.529 mi.)	A2	7
<i>PAN SOUTHWEST POWERL</i> Facility Id: 6-000227 Date Closed: 2/8/1999	<i>1600 GREAT BASIN BLV</i>	<i>NW 1/2 - 1 (0.573 mi.)</i>	<i>A3</i>	<i>7</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>OFLAHERTY PLUMBING &</i> Facility Id: 6-000299 Date Closed: 12/7/1994	<i>705 AVENUE K</i>	<i>NW 1/2 - 1 (0.926 mi.)</i>	<i>4</i>	<i>7</i>

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/22/2015 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target

EXECUTIVE SUMMARY

property.

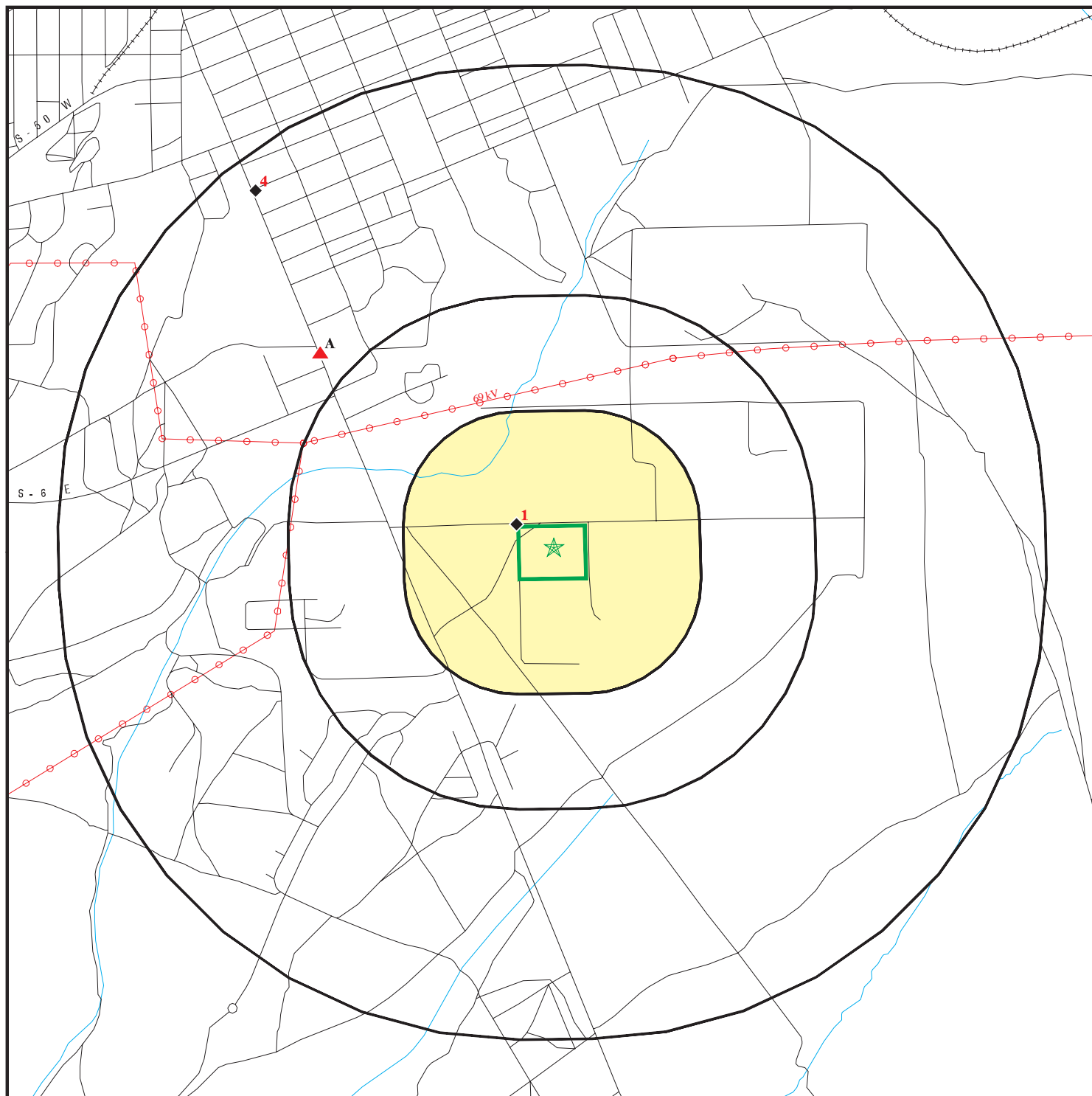
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>OLD ELY LANDFILL</i>	<i>INTERSECTION OF MADI</i>	<i>WNW 0 - 1/8 (0.006 mi.)</i>	<i>1</i>	<i>7</i>







Count: 4 records.



ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ELY	1003879177	ELY CRUDE OIL CO	BETW GRANT & HORSE MT SW OF	89301	SEMS-ARCHIVE, FINDS
ELY	1003879359	OLD WHITE PINE COUNTY DUMP	1/4 MI E OF PIOCHE HWY AND HER	89301	SEMS-ARCHIVE
ELY	S116150676	OLD WHITE PINE COUNTY LANDFILL	U.S. HIGHWAY 50 @ MADISON AVEN		RGA HWS
ELY	S106870859	OLD WHITE PINE COUNTY LANDFILL	U.S. HIGHWAY 50 @ MADISON AVEN		BROWNFIELDS

OVERVIEW MAP - 4587118.2S



-  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

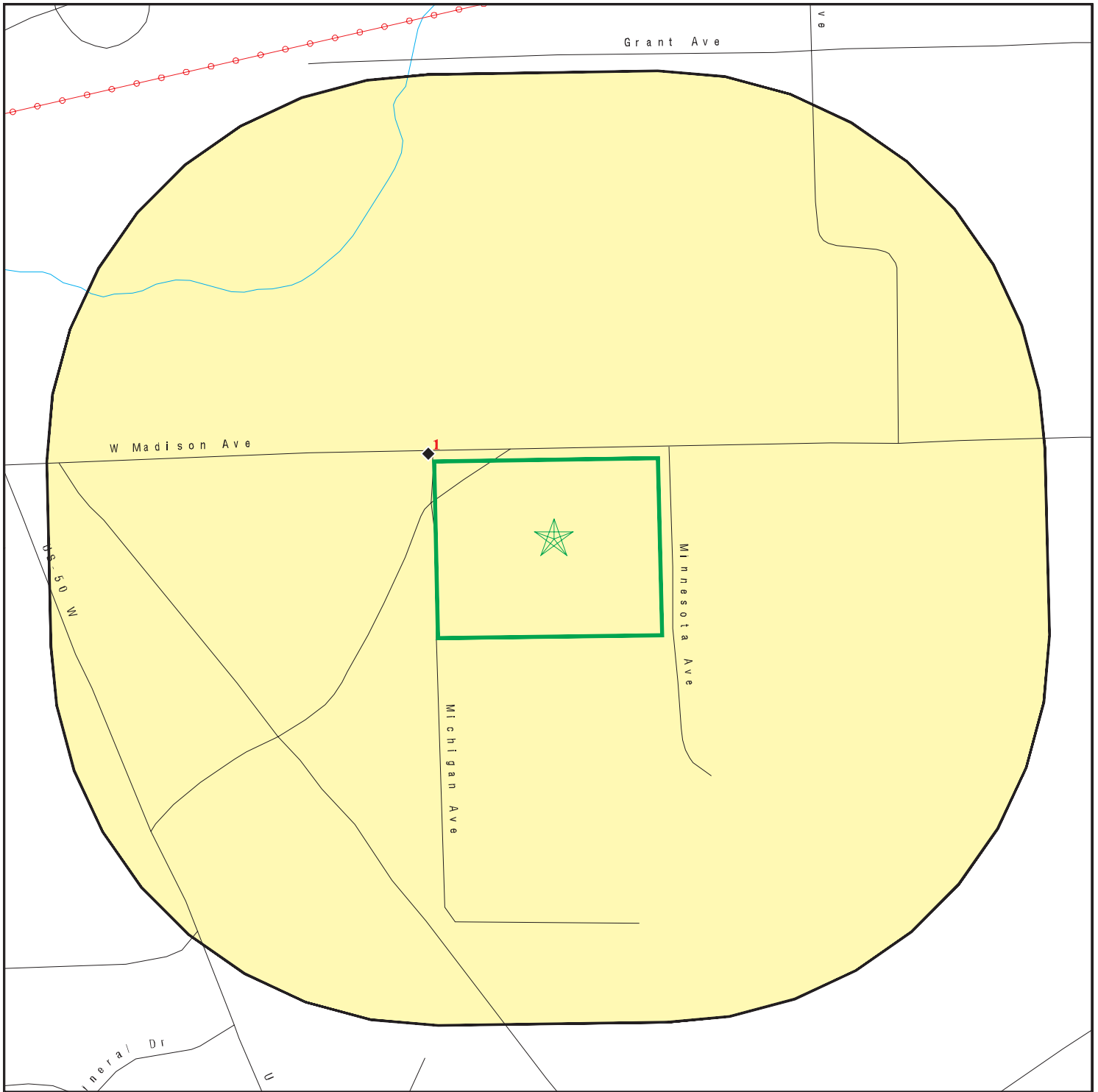
-  Indian Reservations BIA
-  Power transmission lines








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: Old White Pine County Landfill Excavated & Waste
 ADDRESS: Madison Avenue/ Minnesota Avenue
 Ely NV 89301
 LAT/LONG: 39.238297 / 114.860002

CLIENT: McGinley Associates
 CONTACT: Lauren Bruno
 INQUIRY #: 4587118.2s
 DATE: April 08, 2016 2:07 pm

DETAIL MAP - 4587118.2S



-  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
-  Power transmission lines

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: Old White Pine County Landfill Excavated & Waste
 ADDRESS: Madison Avenue/ Minnesota Avenue
 Ely NV 89301
 LAT/LONG: 39.238297 / 114.860002

CLIENT: McGinley Associates
 CONTACT: Lauren Bruno
 INQUIRY #: 4587118.2s
 DATE: April 08, 2016 2:09 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	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	3	NR	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	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
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		1	0	0	NR	NR	1
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	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
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HMRI	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	1	0	0	3	0	4
-------------	--	---	---	---	---	---	---	---

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

1
WNW
< 1/8
0.006 mi.
33 ft.

Relative:
Lower

OLD ELY LANDFILL
INTERSECTION OF MADISON AND MICHIGAN STREETS
ELY, NV 89301

[Click here for full text details](#)

US BROWNFIELDS
ACRES property ID: 12788

FINDS
Registry ID:: 110038748503

US BROWNFIELDS
FINDS
ECHO

1016348746
N/A

A2
NW
1/2-1
0.529 mi.
2795 ft.

Relative:
Higher

J.B. HUNT TRANSPORT SERVICES MOBILE SOURCE
1690 SOUTH GREAT BASIN BOULEVARD
ELY, NV

[Click here for full text details](#)

SHWS
Date Closed: 9/13/2005
Facility Id: F-000036

SHWS S106870860
N/A

A3
NW
1/2-1
0.573 mi.
3024 ft.

Relative:
Higher

PAN SOUTHWEST POWERLINE ROUTE
1600 GREAT BASIN BLVD
ELY, NV 89301

[Click here for full text details](#)

SHWS
Date Closed: 2/8/1999
Facility Id: 6-000227

SHWS S116678792
NPDES N/A

NPDES
Permit Number: CSW-40368
Facility Status: Terminated

4
NW
1/2-1
0.926 mi.
4889 ft.

Relative:
Lower

OFLAHERTY PLUMBING & HEATING-CLOSED
705 AVENUE K
ELY, NV 89301

[Click here for full text details](#)

SHWS
Date Closed: 12/7/1994
Facility Id: 6-000299

SHWS U001110885
UST N/A

UST
Tank Status: PERMANENTLY OUT OF USE
Tank Status: CURRENTLY IN USE
Facility Id: 6-000299

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Avrl. Date	Active Date
NV	AIRS	Permitted Airs Facility Listing	Division of Environmental Protection	07/06/2015	09/23/2015	10/08/2015
NV	AST	Aboveground Storage Tank List	Department of Conservation and Natural Resour	10/28/2015	12/22/2015	01/22/2016
NV	BROWNFIELDS	Project Tracking Database	Division of Environmental Protection	10/28/2015	12/22/2015	01/22/2016
NV	COAL ASH	Coal Ash Disposal Sites	Division of Environmental Protection	10/02/2013	10/03/2013	11/01/2013
NV	Financial Assurance 1	Financial Assurance Information Listing	Department of Environmental Protection	12/21/2015	01/05/2016	03/04/2016
NV	Financial Assurance 2	Financial Assurance Information	Division of Environmental Protection	12/01/2015	12/04/2016	01/22/2016
NV	HMRI	Hazardous Materials Repository Information Data	State Emergency Response Commission	08/05/2008	08/05/2008	08/13/2008
NV	LUST	Sites Database	Department of Conservation and Natural Resour	10/28/2015	12/22/2015	01/22/2016
NV	NPDES	Permitted Facility Listing	Department of Environmental Protection	12/23/2015	12/29/2015	01/22/2016
NV	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Conservation and Natural Resour	07/01/2013	07/01/2013	12/26/2013
NV	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Conservation and Natural Resour	07/01/2013	07/01/2013	12/26/2013
NV	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Conservation and Natural Resour	10/28/2015	12/22/2015	01/22/2016
NV	SHWS	Sites Database	Department of Conservation and Natural Resour	10/28/2015	12/22/2015	01/22/2016
NV	SWF/LF	Landfill List	Department of Conservation and Natural Resour	12/01/2015	12/04/2015	01/22/2016
NV	SWRCY	Recycling Information Listing	Department of Environmental Protection	11/19/2015	11/23/2015	01/22/2016
NV	UST	Underground Storage Tank List	Department of Environmental Protection	10/28/2015	12/22/2015	01/22/2016
NV	VCP	Voluntary Cleanup Program Sites	Department of Conservation & Natural Resource	08/16/2011	09/27/2011	10/12/2011
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	04/22/2013	03/03/2015	03/08/2015
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2013	02/24/2015	09/30/2015
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2014	04/17/2015	06/02/2015
US	CORRACTS	Corrective Action Report	EPA	12/09/2015	03/02/2016	04/05/2016
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeil	07/31/2012	08/07/2012	09/18/2012
US	Delisted NPL	National Priority List Deletions	EPA	10/30/2015	11/07/2015	01/04/2016
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	09/20/2015	09/23/2015	01/04/2016
US	EDR Hist Auto	EDR Exclusive Historic Gas Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historic Dry Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/22/2015	06/26/2015	09/16/2015
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	03/26/2015	04/08/2015	06/11/2015
US	FEDALAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	01/01/2010	02/16/2010	04/12/2010
US	FINDS	Facility Index System/Facility Registry System	EPA	07/20/2015	09/09/2015	11/03/2015
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	02/18/2016
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/23/2015	11/24/2015	02/18/2016
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	11/23/2015	11/24/2015	02/18/2016
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	06/24/2015	06/26/2015	09/02/2015
US	IGIS	Integrated Compliance Information System	Environmental Protection Agency	01/23/2015	02/06/2015	03/09/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/27/2015	10/29/2015	01/04/2016

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Avrl. Date	Active Date
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	01/07/2016	01/08/2016	02/18/2016
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	11/24/2015	12/01/2015	01/04/2016
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	11/04/2015	11/13/2015	01/04/2016
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	08/20/2015	10/30/2015	01/18/2016
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	03/30/2015	04/28/2015	06/22/2015
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/13/2015	10/23/2015	02/18/2016
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	01/08/2015	01/08/2015	02/09/2015
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2005	12/08/2006	01/11/2007
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/20/2015	10/29/2015	01/04/2016
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	01/07/2016	01/08/2016	02/18/2016
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/24/2015	12/01/2015	01/04/2016
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	11/05/2015	11/13/2015	01/04/2016
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	08/20/2015	10/30/2015	02/18/2016
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	09/23/2014	11/25/2014	01/29/2015
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/13/2015	10/23/2015	02/18/2016
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	12/14/2014	02/13/2015	03/13/2015
US	INDIAN VCP R1	Underground Storage Tanks on Indian Land	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Listing	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	11/25/2014	11/26/2014	01/29/2015
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/18/2014	03/18/2014	04/24/2014
US	LUCIS	Land Use Control Information System	Environmental Protection Agency	05/28/2015	05/29/2015	06/11/2015
US	MLTS	Material Licensing Tracking System	Department of the Navy	06/26/2015	07/10/2015	10/13/2015
US	NPL	National Priority List	Nuclear Regulatory Commission	10/30/2015	11/07/2015	01/04/2016
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	07/01/2014	10/15/2014	11/17/2014
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	02/01/2014	10/19/2011	01/10/2012
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	Proposed NPL	Proposed National Priority List Sites	EPA	10/30/2015	11/07/2015	01/04/2016
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/07/2015	07/09/2015	09/16/2015
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RCRA-LOG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/09/2015	03/02/2016	04/05/2016
US	RMP	Risk Management Plans	Environmental Protection Agency	08/01/2015	08/26/2015	11/03/2015
US	ROD	Records Of Decision	EPA	11/25/2013	12/12/2013	02/24/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	03/07/2011	03/09/2011	05/02/2011
US	SEMS	Superfund Enterprise Management System	EPA	01/11/2016	01/22/2016	03/18/2016
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/11/2016	01/22/2016	03/18/2016
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2014	11/24/2015	04/05/2016
US	TSCA	Toxic Substances Control Act	EPA	12/31/2012	01/15/2015	01/29/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	09/14/2010	10/07/2011	03/01/2012

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	10/20/2015	10/27/2015	01/04/2016
US	US AIRS MINOR	Air Facility System Data	EPA	10/20/2015	10/27/2015	01/04/2016
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	12/22/2015	12/23/2015	02/18/2016
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	09/17/2015	12/04/2015	02/18/2016
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	09/10/2015	09/11/2015	11/03/2015
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	09/01/2015	09/03/2015	11/03/2015
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	09/17/2015	12/04/2015	02/18/2016
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	09/10/2015	09/11/2015	11/03/2015
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/18/2015	09/01/2015	01/04/2016
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	07/30/2013	08/19/2013	10/03/2013
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	02/01/2016	02/03/2016	03/22/2016
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						
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.						
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
NV	Daycare Centers	Sensitive Receptor: Child Care Facility List	Department of Human Resources			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
NV	State Wetlands	Wetland Inventory	Natural Heritage Program			
US	Topographic Map		U.S. Geological Survey			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St. Acronym Full Name Government Agency Gov. Date Arvl. Date Active Date

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

OLD WHITE PINE COUNTY LANDFILL EXCAVATED & WASTE
MADISON AVENUE/ MINNESOTA AVENUE
ELY, NV 89301

TARGET PROPERTY COORDINATES

Latitude (North):	39.238297 - 39° 14' 17.87"
Longitude (West):	114.860002 - 114° 51' 36.01"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	684696.4
UTM Y (Meters):	4345195.0
Elevation:	6505 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6726129 COMINS LAKE, NV
Version Date:	2014
Northeast Map:	6726135 EAST ELY, NV
Version Date:	2014
Southwest Map:	6726139 ELY, NV
Version Date:	2014
Northwest Map:	6726171 RUTH, NV
Version Date:	2014

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).

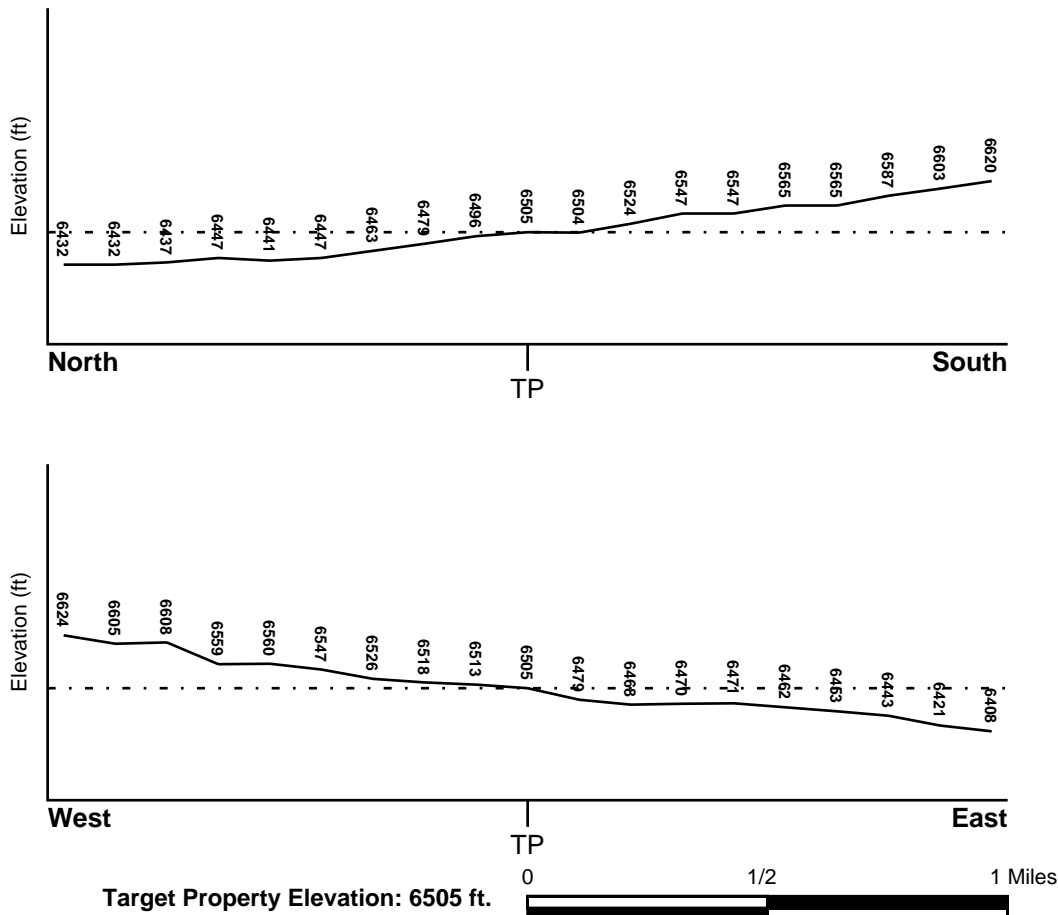
TOPOGRAPHIC INFORMATION

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 NE

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

<u>Target Property County</u>	<u>FEMA Flood</u>
WHITE PINE, NV	<u>Electronic Data</u>
	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

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

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

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

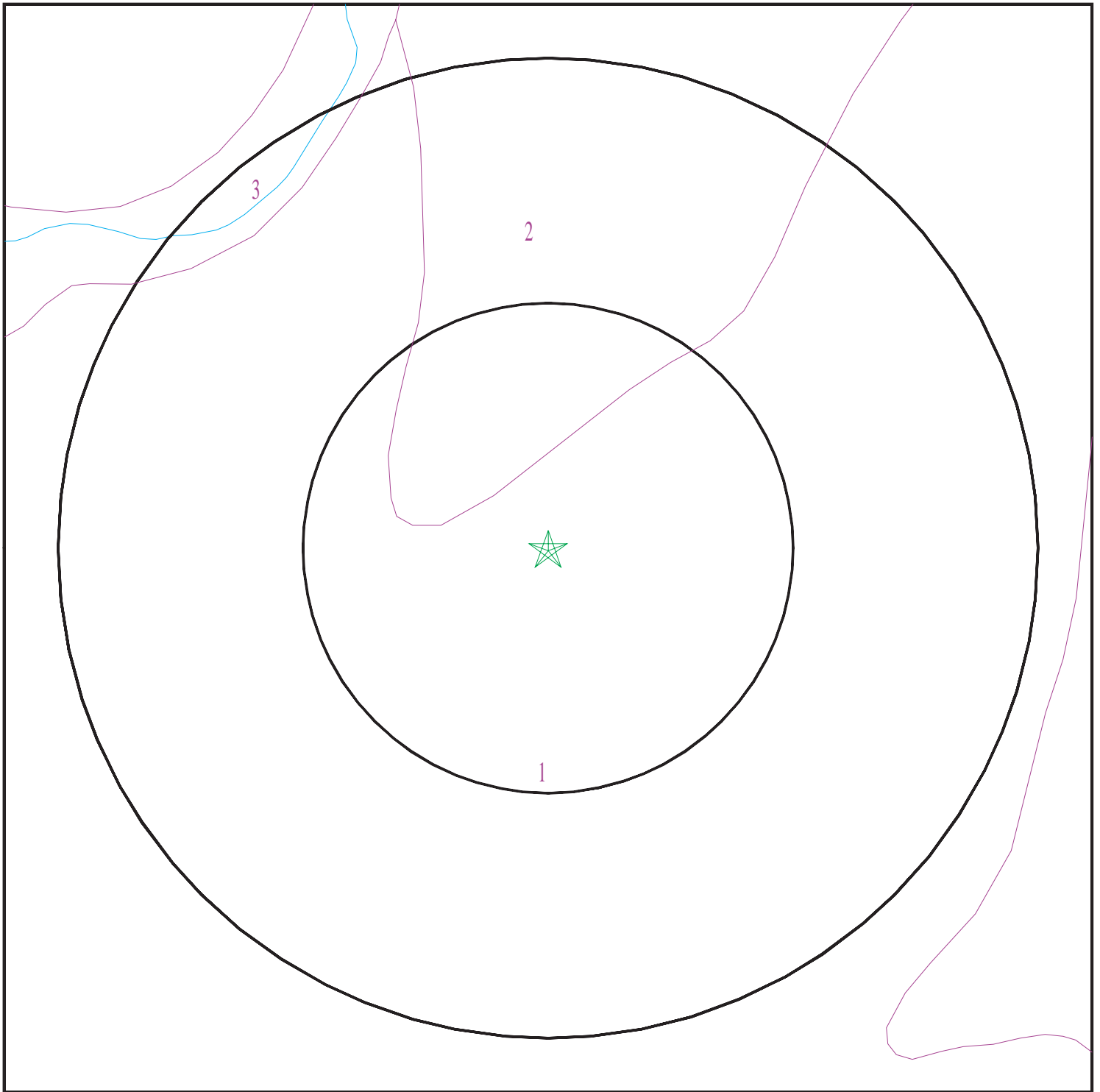
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

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 - 4587118.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Old White Pine County Landfill Excavated & Waste
ADDRESS: Madison Avenue/ Minnesota Avenue
Ely NV 89301
LAT/LONG: 39.238297 / 114.860002

CLIENT: McGinley Associates
CONTACT: Lauren Bruno
INQUIRY #: 4587118.2s
DATE: April 08, 2016 2:10 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: Palinor

Soil Surface Texture: very gravelly loam

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

Soil Drainage Class: 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	9 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 9 Min: 7.9
2	9 inches	18 inches	extremely gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 9 Min: 7.9
3	18 inches	29 inches	indurated	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:
4	29 inches	59 inches	sr to gravelly sandy loam to extremely gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141 Min: 42	Max: 9 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Shabliss

Soil Surface Texture: gravelly loam

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

Soil Drainage Class: 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	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	3 inches	12 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	12 inches	55 inches	cemented	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: Min:

Soil Map ID: 3

Soil Component Name: Heist

Soil Surface Texture: silt 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

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	3 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	3 inches	35 inches	fine 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 Min: 14	Max: 9 Min: 7.9
3	35 inches	59 inches	gravelly fine sandy loam	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 Min: 14	Max: 9 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 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
16	USGS40000763013	1/4 - 1/2 Mile NNE
F23	USGS40000762997	1/4 - 1/2 Mile West
41	USGS40000763032	1/2 - 1 Mile NNW
51	USGS40000763044	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

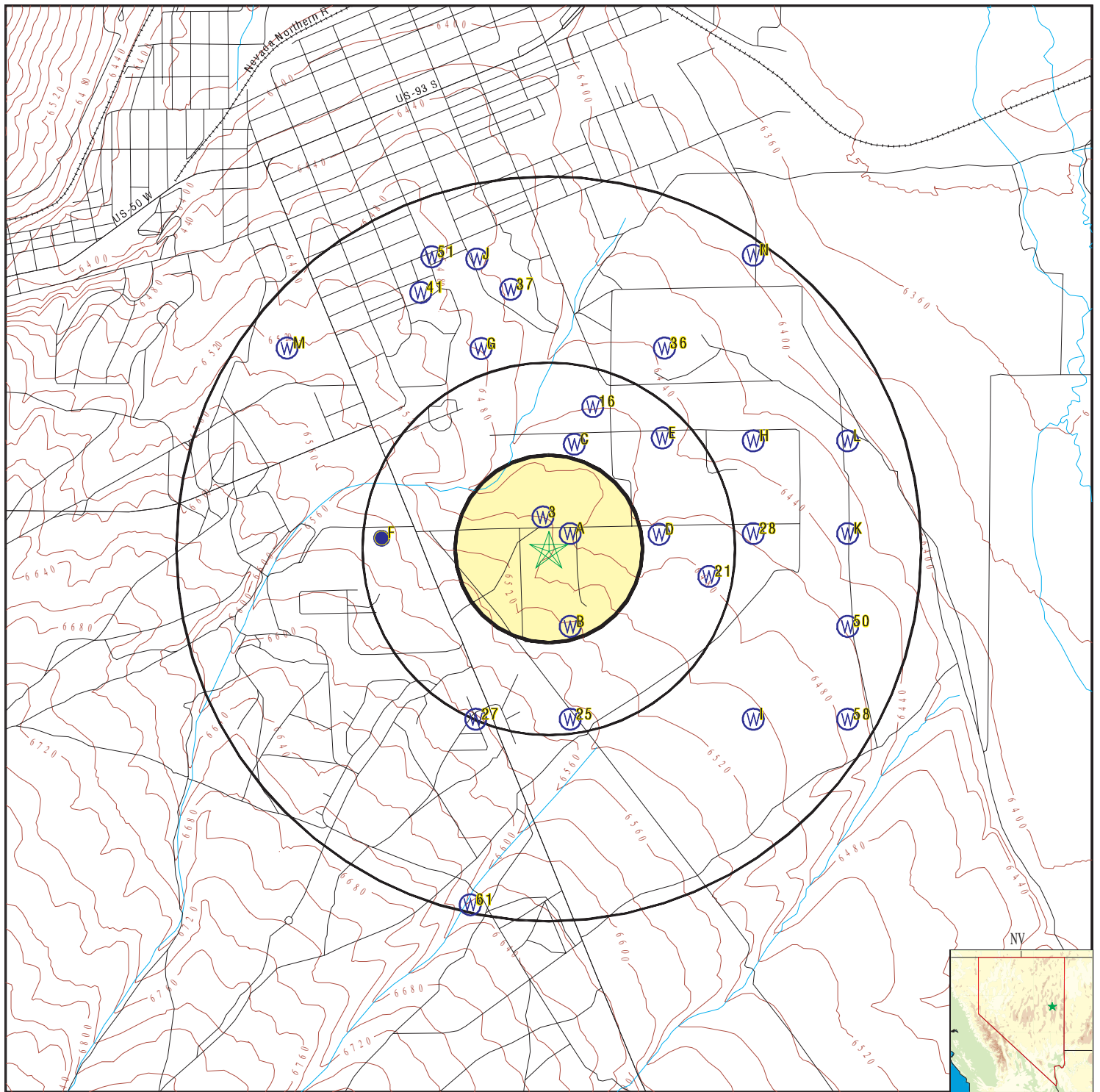
MAP ID	WELL ID	LOCATION FROM TP
A1	NV5000000016409	0 - 1/8 Mile NE
A2	NV5000000044149	0 - 1/8 Mile NE
3	NV5000000102270	0 - 1/8 Mile North
B4	NV5000000048628	1/8 - 1/4 Mile SSE
B5	NV5000000036736	1/8 - 1/4 Mile SSE
B6	NV5000000071657	1/8 - 1/4 Mile SSE
B7	NV5000000060765	1/8 - 1/4 Mile SSE
C8	NV5000000102395	1/4 - 1/2 Mile NNE
C9	NV5000000013460	1/4 - 1/2 Mile North
C10	NV5000000016410	1/4 - 1/2 Mile North
C11	NV5000000044147	1/4 - 1/2 Mile North
D12	NV5000000015397	1/4 - 1/2 Mile East
D13	NV5000000016078	1/4 - 1/2 Mile East
D14	NV5000000069957	1/4 - 1/2 Mile East
D15	NV5000000101139	1/4 - 1/2 Mile East
E17	NV5000000011703	1/4 - 1/2 Mile NE
E18	NV5000000014351	1/4 - 1/2 Mile NE
E19	NV5000000011364	1/4 - 1/2 Mile NE
E20	NV5000000010903	1/4 - 1/2 Mile NE
21	NV5000000019384	1/4 - 1/2 Mile East
E22	NV5000000105969	1/4 - 1/2 Mile NE
F24	NV5000000008147	1/4 - 1/2 Mile West
25	NV5000000025885	1/4 - 1/2 Mile South
E26	NV5000000108070	1/4 - 1/2 Mile NE
27	NV5000000013425	1/4 - 1/2 Mile SSW
28	NV5000000020334	1/2 - 1 Mile East
G29	NV5000000101813	1/2 - 1 Mile NNW
G30	NV5000000013080	1/2 - 1 Mile NNW
G31	NV5000000093972	1/2 - 1 Mile NNW
G32	NV5000000096033	1/2 - 1 Mile NNW
H33	NV5000000010868	1/2 - 1 Mile ENE
H34	NV5000000030233	1/2 - 1 Mile ENE
H35	NV5000000097701	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
36	NV5000000012027	1/2 - 1 Mile NNE
37	NV5000000105833	1/2 - 1 Mile North
I38	NV5000000018109	1/2 - 1 Mile SE
I39	NV5000000050331	1/2 - 1 Mile SE
J40	NV5000000104131	1/2 - 1 Mile NNW
K42	NV5000000027469	1/2 - 1 Mile East
K43	NV5000000050334	1/2 - 1 Mile East
J44	NV5000000037779	1/2 - 1 Mile NNW
J45	NV5000000037778	1/2 - 1 Mile NNW
J46	NV5000000008159	1/2 - 1 Mile NNW
J47	NV5000000039031	1/2 - 1 Mile NNW
J48	NV5000000039030	1/2 - 1 Mile NNW
J49	NV5000000037780	1/2 - 1 Mile NNW
50	NV5000000046423	1/2 - 1 Mile ESE
L52	NV5000000013825	1/2 - 1 Mile ENE
L53	NV5000000019315	1/2 - 1 Mile ENE
M54	NV5000000043497	1/2 - 1 Mile NW
M55	NV5000000043496	1/2 - 1 Mile NW
M56	NV5000000043499	1/2 - 1 Mile NW
M57	NV5000000043498	1/2 - 1 Mile NW
58	NV5000000021950	1/2 - 1 Mile ESE
N59	NV5000000010558	1/2 - 1 Mile NE
N60	NV5000000013459	1/2 - 1 Mile NE
61	NV5000000082105	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 4587118.2s



- 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

SITE NAME: Old White Pine County Landfill Excavated & Waste
 ADDRESS: Madison Avenue/ Minnesota Avenue
 Ely NV 89301
 LAT/LONG: 39.238297 / 114.860002

CLIENT: McGinley Associates
 CONTACT: Lauren Bruno
 INQUIRY #: 4587118.2s
 DATE: April 08, 2016 2:10 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: NV Radon

Radon Test Results

# Tests	# < 4 pCi/L	# > 4 pCi/L	% > 4 pCi/L	Average	Max
60	47	13	21.67	3.04	32.8

Federal EPA Radon Zone for WHITE PINE County: 1

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

Federal Area Radon Information for Zip Code: 89301

Number of sites tested: 48

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.733 pCi/L	81%	19%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.509 pCi/L	43%	57%	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.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

State Wetlands Data: Wetland Inventory

Source: Natural Heritage Program

Telephone: 775-684-2900

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

Nevada Well Log Database

Source: Dept of Conservation and Natural Resources, Division of Water Resources

Telephone: 775-687-4380

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Nevada Bureau of Mines and Geology

Telephone: 775-784-6691

Oil and gas well location in the state of Nevada.

RADON

State Database: NV Radon

Source: State Health Division

Telephone: 775-687-7531

Radon Test Results By Zip Code

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX G

Vapor Encroachment Screen

Old White Pine County Landfill Excavated & Waste

Madison Avenue/ Minnesota Avenue

Ely, NV 89301

Inquiry Number: 4587118.6s

April 8, 2016

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Primary Map	2
Secondary Map	3
Aerial Photography	4
Map Findings	5
Record Sources and Currency	GR-1

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

Disclaimer - Copyright and Trademark Notice

The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

This report contains information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.**

Purchaser accepts this report "AS IS". Any analyses, estimates, ratings, or risk codes provided in this report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can produce information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 2600-10).

		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	not searched	-	-	-
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	1	1

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

OLD WHITE PINE COUNTY LANDFILL EXCAVATED & WASTE
MADISON AVENUE/ MINNESOTA AVENUE
ELY, NV 89301

COORDINATES

Latitude (North):	39.238297 - 39° 14' 17.867432"
Longitude (West):	114.860002 - 114° 51' 36.002197"
Elevation:	6505 ft. above sea level

EXECUTIVE SUMMARY

PHYSICAL SETTING INFORMATION

Flood Zone: Not 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: Palinor

Soil Surface Texture: very gravelly loam

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

Soil Drainage Class: 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	9 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 9 Min: 7.9

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	9 inches	18 inches	extremely gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 9 Min: 7.9
3	18 inches	29 inches	indurated	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:
4	29 inches	59 inches	sr to gravelly sandy loam to extremely gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141 Min: 42	Max: 9 Min: 7.9

Soil Map ID: 2

Soil Component Name: Shabliss

Soil Surface Texture: gravelly loam

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

Soil Drainage Class: 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	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	3 inches	12 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	12 inches	55 inches	cemented	Not reported	Not reported	Max: 0.42 Min: 0.01	Max: Min:

Soil Map ID: 3

Soil Component Name: Heist

Soil Surface Texture: silt 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	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

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	3 inches	35 inches	fine 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 Min: 14	Max: 9 Min: 7.9
3	35 inches	59 inches	gravelly fine sandy loam	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 Min: 14	Max: 9 Min: 7.9

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>
OLD ELY LANDFILL US BROWNFIELDS: Other Standard Environmental Records FINDS: Other Standard Environmental Records ECHO: Other Standard Environmental Records	INTERSECTION OF MADISON AND MICHIGAN STREETS	<1/10 WNW	▼ 1	12
USTPO 09 ELY SHOSHONE SILVER SAGE TRAVEL PLAZA ECHO: Other Standard Environmental Records FINDS: Other Standard Environmental Records	HIGHWAY 93	1/10 - 1/3 SW	▲ 2	21

HISTORICAL USE RECORDS

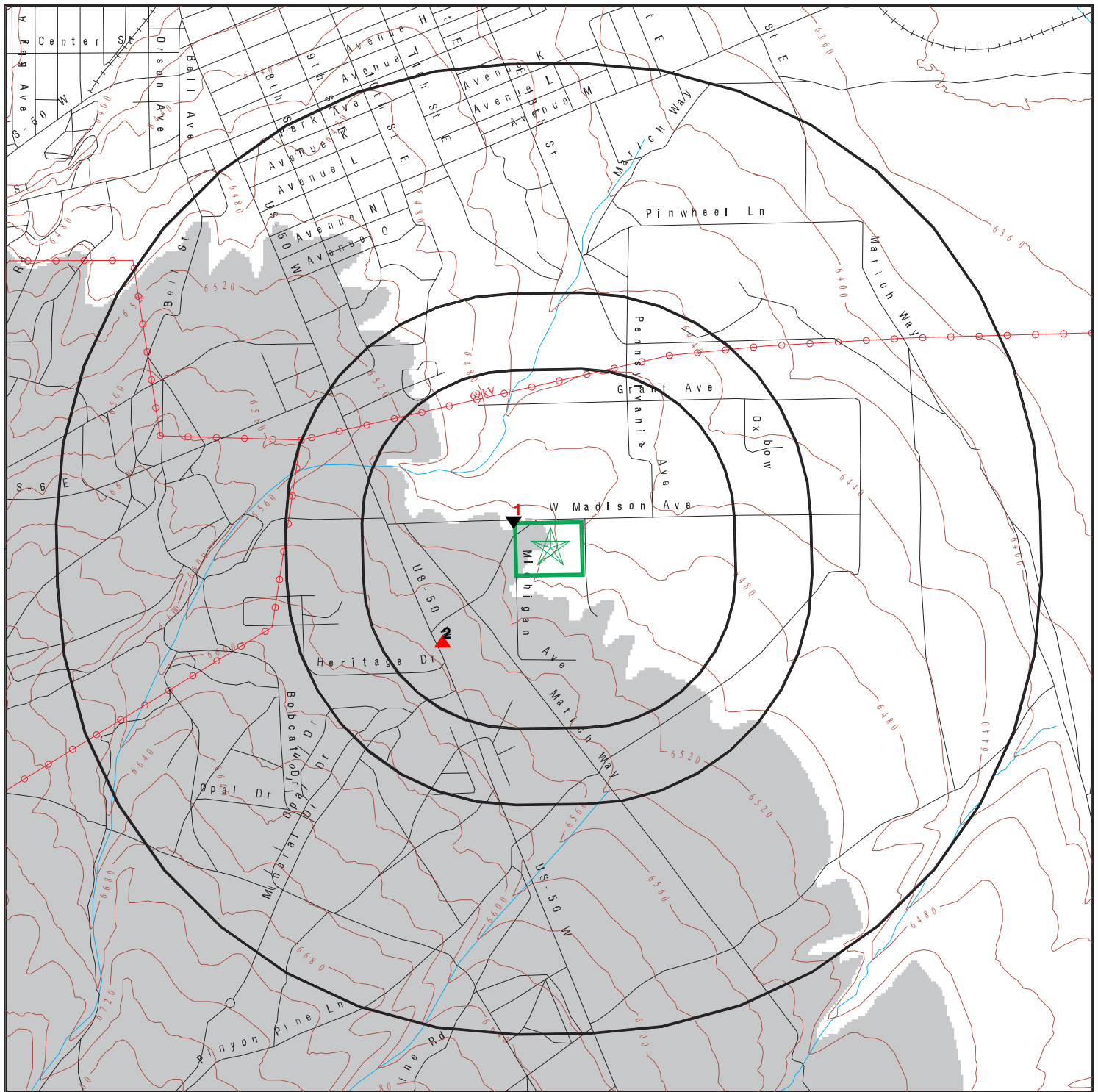
<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

The map shows the University of Minnesota campus, a yellow circular area with a black border. A green square with a green star inside represents the Minnesota State Capitol building. A red arrow labeled '1' points to the Capitol building. A red arrow labeled '2' points to the intersection of W Madison Ave and US-50 W. The map includes labels for various streets: W Highland Dr, Grant Ave, W Madison Ave, US-50 W, Minnesota Ave, Michigan Ave, Heritage Dr, Mineral Dr, and Oxbow. There are also labels for '2' and '3' in different areas of the map.

A

Copyright © 2016 EDR, Inc. © 2015 TomTom Rel. 2015.

SECONDARY MAP - 4587118.6S



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

Upgradient Area

0 1/3 1/2 1 Miles



SITE NAME: Old White Pine County Landfill Excavated & Waste
 ADDRESS: Madison Avenue/ Minnesota Avenue
 Ely NV 89301
 LAT/LONG: 39.238297 / 114.860002

CLIENT: McGinley Associates
 CONTACT: Lauren Bruno
 INQUIRY #: 4587118.6s
 DATE: April 08, 2016 4:33 pm

AERIAL PHOTOGRAPHY - 4587118.6s



0 300 1/3 Miles



SITE NAME: Old White Pine County Landfill Excavated & Waste
ADDRESS: Madison Avenue/ Minnesota Avenue
Ely NV 89301
LAT/LONG: 39.238297 / 114.860002

CLIENT: McGinley Associates
CONTACT: Lauren Bruno
INQUIRY #: 4587118.6s
DATE: April 08, 2016 4:37 pm

MAP FINDINGS

LEGEND

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP		EDR SITE ID NUMBER
▼ MAP ID#	Direction Distance Range	(Distance feet / miles)
	Relative Elevation	Feet Above Sea Level
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.		
Worksheet: Comments: Comments may be added on the online Vapor Encroachment Worksheet.		

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

OLD ELY LANDFILL INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV, 89301		1016348746
▼ 1	WNW <1/10	(33 ft. / 0.006 mi.)
	1 ft. Lower Elevation	6504 ft. Above Sea Level
Other Standard Environmental Records		

Worksheet:

Impact on Target Property: VEC Cannot Be Ruled Out

Conditions:

Not Applicable: YES

Groundwater Flow Gradient:

Crossgradient: YES

Hydrogeologically: YES

Topographically: YES

US BROWNFIELDS: Other Standard Environmental Records



Recipient name:	Nevada Department of Conservation and Natural Resources
Grant type:	Section 128(a) State/Tribal
Property name:	OLD ELY LANDFILL
Property #:	005-341-017, 018
Parcel size:	15
Property Description:	unregulated landfill, which accepted commercial, hospital, construction, and household waste
Latitude:	39.239071
Longitude:	-114.861511
HCM label:	Not Reported
Map scale:	Not Reported
Point of reference:	Not Reported
Datum:	World Geodetic System of 1984
ACRES property ID:	12788
Start date:	06/30/2005 00:00:00

MAP FINDINGS

OLD ELY LANDFILL, INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV 89301 (Continued)

Completed date:	06/30/2005 00:00:00
Acres cleaned up:	15
Cleanup funding:	136620
Cleanup funding source:	US EPA - State & Tribal Section 128(a) Funding
Assessment funding:	43370.1
Assessment funding source:	US EPA - State & Tribal Section 128(a) Funding
Redevelopment funding:	Not Reported
Redev. funding source:	Not Reported
Redev. funding entity name:	Not Reported
Redevelopment start date:	09/12/2005 00:00:00
Assessment funding entity:	Not Reported
Cleanup funding entity:	Not Reported
Grant type:	N/A
Accomplishment type:	Phase II Environmental Assessment
Accomplishment count:	1
Cooperative agreement #:	97963601
Ownership entity:	Government
Current owner:	White Pine County
Did owner change:	N
Cleanup required:	Yes
Video available:	Not Reported
Photo available:	Not Reported
Institutional controls required:	U
IC Category proprietary controls:	Not Reported
IC cat. info. devices:	Not Reported
IC cat. gov. controls:	Not Reported
IC cat. enforcement permit tools:	Not Reported
IC in place date:	Not Reported
IC in place:	Unknown
State/tribal program date:	Not Reported
State/tribal program ID:	Not Reported
State/tribal NFA date:	Not Reported
Air contaminated:	Not Reported
Air cleaned:	Not Reported
Asbestos found:	Not Reported
Asbestos cleaned:	Not Reported
Controlled substance found:	Not Reported
Controlled substance cleaned:	Not Reported
Drinking water affected:	Not Reported
Drinking water cleaned:	Not Reported
Groundwater affected:	Not Reported
Groundwater cleaned:	Not Reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not Reported
Unknown media affected:	Not Reported
Other cleaned up:	Not Reported
Other metals found:	Y
Other metals cleaned:	Y
Other contaminants found:	Not Reported

MAP FINDINGS

OLD ELY LANDFILL, INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV 89301 (Continued)

Other contams found description:	Not Reported
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	Not Reported
PCBs cleaned up:	Not Reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not Reported
Sediments cleaned:	Not Reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not Reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not Reported
Num. of cleanup and re-dev. jobs:	0
Past use greenspace acreage:	Not Reported
Past use residential acreage:	Not Reported
Past use commercial acreage:	Not Reported
Past use industrial acreage:	Not Reported
Future use greenspace acreage:	Not Reported
Future use residential acreage:	Not Reported
Future use commercial acreage:	Not Reported
Future use industrial acreage:	Not Reported
Greenspace acreage and type:	Not Reported
Superfund Fed. landowner flag:	Not Reported
Arsenic cleaned up:	Not Reported
Cadmium cleaned up:	Not Reported
Chromium cleaned up:	Not Reported
Copper cleaned up:	Not Reported
Iron cleaned up:	Not Reported
mercury cleaned up:	Not Reported
nickel cleaned up:	Not Reported
No clean up:	Not Reported
Pesticides cleaned up:	Not Reported
Selenium cleaned up:	Not Reported
SVOCs cleaned up:	Not Reported
Unknown clean up:	Not Reported
Arsenic contaminant found:	Not Reported
Cadmium contaminant found:	Not Reported
Chromium contaminant found:	Not Reported
Copper contaminant found:	Not Reported
Iron contaminant found:	Not Reported
Mercury contaminant found:	Not Reported
Nickel contaminant found:	Not Reported
No contaminant found:	Not Reported
Pesticides contaminant found:	Not Reported
Selenium contaminant found:	Not Reported
SVOCs contaminant found:	Not Reported
Unknown contaminant found:	Not Reported

MAP FINDINGS

OLD ELY LANDFILL, INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV 89301 (Continued)

Future Use: Multistory	Not Reported
Media affected Bluiding Material:	Not Reported
Media affected indoor air:	Not Reported
Building material media cleaned up:	Not Reported
Indoor air media cleaned up:	Not Reported
Unknown media cleaned up:	Not Reported
Past Use: Multistory	Not Reported
Recipient name:	Nevada Department of Conservation and Natural Resources
Grant type:	Section 128(a) State/Tribal
Property name:	OLD ELY LANDFILL
Property #:	005-341-017, 018
Parcel size:	15
Property Description:	unregulated landfill, which accepted commerical, hospital, construction, and household waste
Latitude:	39.239071
Longitude:	-114.861511
HCM label:	Not Reported
Map scale:	Not Reported
Point of reference:	Not Reported
Datum:	World Geodetic System of 1984
ACRES property ID:	12788
Start date:	06/30/2005 00:00:00
Completed date:	06/30/2005 00:00:00
Acres cleaned up:	15
Cleanup funding:	136620
Cleanup funding source:	US EPA - State & Tribal Section 128(a) Funding
Assessment funding:	1
Assessment funding source:	US EPA - State & Tribal Section 128(a) Funding
Redevelopment funding:	Not Reported
Redev. funding source:	Not Reported
Redev. funding entity name:	Not Reported
Redevelopment start date:	09/12/2005 00:00:00
Assessment funding entity:	EPA
Cleanup funding entity:	Not Reported
Grant type:	N/A
Accomplishment type:	Supplemental Assessment
Accomplishment count:	0
Cooperative agreement #:	97963601
Ownership entity:	Government
Current owner:	White Pine County
Did owner change:	N
Cleanup required:	Yes
Video available:	Not Reported
Photo available:	Not Reported
Institutional controls required:	U
IC Category proprietary controls:	Not Reported
IC cat. info. devices:	Not Reported
IC cat. gov. controls:	Not Reported
IC cat. enforcement permit tools:	Not Reported

MAP FINDINGS

OLD ELY LANDFILL, INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV 89301 (Continued)

IC in place date:	Not Reported
IC in place:	Unknown
State/tribal program date:	Not Reported
State/tribal program ID:	Not Reported
State/tribal NFA date:	Not Reported
Air contaminated:	Not Reported
Air cleaned:	Not Reported
Asbestos found:	Not Reported
Asbestos cleaned:	Not Reported
Controlled substance found:	Not Reported
Controlled substance cleaned:	Not Reported
Drinking water affected:	Not Reported
Drinking water cleaned:	Not Reported
Groundwater affected:	Not Reported
Groundwater cleaned:	Not Reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not Reported
Unknown media affected:	Not Reported
Other cleaned up:	Not Reported
Other metals found:	Y
Other metals cleaned:	Y
Other contaminants found:	Not Reported
Other contams found description:	Not Reported
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	Not Reported
PCBs cleaned up:	Not Reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not Reported
Sediments cleaned:	Not Reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not Reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not Reported
Num. of cleanup and re-dev. jobs:	0
Past use greenspace acreage:	Not Reported
Past use residential acreage:	Not Reported
Past use commercial acreage:	Not Reported
Past use industrial acreage:	Not Reported
Future use greenspace acreage:	Not Reported
Future use residential acreage:	Not Reported
Future use commercial acreage:	Not Reported
Future use industrial acreage:	Not Reported
Greenspace acreage and type:	Not Reported
Superfund Fed. landowner flag:	Not Reported
Arsenic cleaned up:	Not Reported

MAP FINDINGS

OLD ELY LANDFILL, INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV 89301 (Continued)

Cadmium cleaned up:	Not Reported
Chromium cleaned up:	Not Reported
Copper cleaned up:	Not Reported
Iron cleaned up:	Not Reported
mercury cleaned up:	Not Reported
nickel cleaned up:	Not Reported
No clean up:	Not Reported
Pesticides cleaned up:	Not Reported
Selenium cleaned up:	Not Reported
SVOCs cleaned up:	Not Reported
Unknown clean up:	Not Reported
Arsenic contaminant found:	Not Reported
Cadmium contaminant found:	Not Reported
Chromium contaminant found:	Not Reported
Copper contaminant found:	Not Reported
Iron contaminant found:	Not Reported
Mercury contaminant found:	Not Reported
Nickel contaminant found:	Not Reported
No contaminant found:	Not Reported
Pesticides contaminant found:	Not Reported
Selenium contaminant found:	Not Reported
SVOCs contaminant found:	Not Reported
Unknown contaminant found:	Not Reported
Future Use: Multistory	Not Reported
Media affected Bluiding Material:	Not Reported
Media affected indoor air:	Not Reported
Building material media cleaned up:	Not Reported
Indoor air media cleaned up:	Not Reported
Unknown media cleaned up:	Not Reported
Past Use: Multistory	Not Reported
Recipient name:	Ely Shoshone Tribe
Grant type:	Assessment
Property name:	OLD ELY LANDFILL
Property #:	005-341-017, 018
Parcel size:	15
Property Description:	unregulated landfill, which accepted commerical, hospital, construction, and household waste
Latitude:	39.239071
Longitude:	-114.861511
HCM label:	Not Reported
Map scale:	Not Reported
Point of reference:	Not Reported
Datum:	World Geodetic System of 1984
ACRES property ID:	12788
Start date:	Not Reported
Completed date:	Not Reported
Acres cleaned up:	Not Reported
Cleanup funding:	Not Reported
Cleanup funding source:	Not Reported

MAP FINDINGS

OLD ELY LANDFILL, INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV 89301 (Continued)

Assessment funding:	Not Reported
Assessment funding source:	Not Reported
Redevelopment funding:	Not Reported
Redev. funding source:	Not Reported
Redev. funding entity name:	Not Reported
Redevelopment start date:	Not Reported
Assessment funding entity:	Not Reported
Cleanup funding entity:	Not Reported
Grant type:	N/A
Accomplishment type:	Phase I Environmental Assessment
Accomplishment count:	0
Cooperative agreement #:	98915401
Ownership entity:	Government
Current owner:	White Pine County
Did owner change:	N
Cleanup required:	Yes
Video available:	Not Reported
Photo available:	Not Reported
Institutional controls required:	U
IC Category proprietary controls:	Not Reported
IC cat. info. devices:	Not Reported
IC cat. gov. controls:	Not Reported
IC cat. enforcement permit tools:	Not Reported
IC in place date:	Not Reported
IC in place:	Unknown
State/tribal program date:	Not Reported
State/tribal program ID:	Not Reported
State/tribal NFA date:	Not Reported
Air contaminated:	Not Reported
Air cleaned:	Not Reported
Asbestos found:	Not Reported
Asbestos cleaned:	Not Reported
Controlled substance found:	Not Reported
Controlled substance cleaned:	Not Reported
Drinking water affected:	Not Reported
Drinking water cleaned:	Not Reported
Groundwater affected:	Not Reported
Groundwater cleaned:	Not Reported
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not Reported
Unknown media affected:	Not Reported
Other cleaned up:	Not Reported
Other metals found:	Y
Other metals cleaned:	Y
Other contaminants found:	Not Reported
Other contams found description:	Not Reported
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	Not Reported

MAP FINDINGS

OLD ELY LANDFILL, INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV 89301 (Continued)

PCBs cleaned up:	Not Reported
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not Reported
Sediments cleaned:	Not Reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not Reported
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	Not Reported
Num. of cleanup and re-dev. jobs:	Not Reported
Past use greenspace acreage:	Not Reported
Past use residential acreage:	Not Reported
Past use commercial acreage:	Not Reported
Past use industrial acreage:	Not Reported
Future use greenspace acreage:	Not Reported
Future use residential acreage:	Not Reported
Future use commercial acreage:	Not Reported
Future use industrial acreage:	Not Reported
Greenspace acreage and type:	Not Reported
Superfund Fed. landowner flag:	Not Reported
Arsenic cleaned up:	Not Reported
Cadmium cleaned up:	Not Reported
Chromium cleaned up:	Not Reported
Copper cleaned up:	Not Reported
Iron cleaned up:	Not Reported
mercury cleaned up:	Not Reported
nickel cleaned up:	Not Reported
No clean up:	Not Reported
Pesticides cleaned up:	Not Reported
Selenium cleaned up:	Not Reported
SVOCs cleaned up:	Not Reported
Unknown clean up:	Not Reported
Arsenic contaminant found:	Not Reported
Cadmium contaminant found:	Not Reported
Chromium contaminant found:	Not Reported
Copper contaminant found:	Not Reported
Iron contaminant found:	Not Reported
Mercury contaminant found:	Not Reported
Nickel contaminant found:	Not Reported
No contaminant found:	Not Reported
Pesticides contaminant found:	Not Reported
Selenium contaminant found:	Not Reported
SVOCs contaminant found:	Not Reported
Unknown contaminant found:	Not Reported
Future Use: Multistory	Not Reported
Media affected Bluiding Material:	Not Reported
Media affected indoor air:	Not Reported
Building material media cleaned up:	Not Reported

MAP FINDINGS

OLD ELY LANDFILL, INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV 89301 (Continued)

Indoor air media cleaned up:	Not Reported
Unknown media cleaned up:	Not Reported
Past Use: Multistory	Not Reported

FINDS: Other Standard Environmental Records



Registry ID: 110038748503

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

ECHO: Other Standard Environmental Records



Envid: 1016348746
Registry ID: 110038748503
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110038748503

MAP FINDINGS

USTPO 09 ELY SHOSHONE SILVER SAGE TRAVEL PLAZA HIGHWAY 93, ELY, NV, 89301			1012144293
▲ 2	SW 1/10 - 1/3	(1155 ft. / 0.219 mi.)	Other Standard Environmental Records
	49 ft. Higher Elevation	6554 ft. Above Sea Level	

Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

Comments: Chemicals of concern are not likely to be present at this source.

Conditions:

Not Applicable: YES

Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

ECHO: Other Standard Environmental Records



Envid: 1012144293
 Registry ID: 110039159175
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110039159175

FINDS: Other Standard Environmental Records



Registry ID: 110039159175

Environmental Interest/Information System:

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

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 :02/12/2016

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: 08/01/2015

Source: Environmental Protection Agency

Number of Days to Update: 69

Telephone: 202-564-8600

Last EDR Contact :01/25/2016

AIRS: Permitted Airs Facility Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

A listing of permitted Airs facilities and their associated emissions information.

Date of Government Version: 07/06/2015

Source: Division of Environmental Protection

Number of Days to Update: 15

Telephone: 775-687-9359

Last EDR Contact :03/23/2016

AST: Aboveground Storage Tank List

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

Search Distance: Property

Registered Aboveground Storage Tanks.

Date of Government Version: 10/28/2015

Source: Department of Conservation and Natural Resources

Number of Days to Update: 31

Telephone: 775-687-5872

Last EDR Contact :03/23/2016

BROWNFIELDS: Project Tracking Database

Standard Environmental Record Source: State and tribal Brownfields sites

RECORD SOURCES AND CURRENCY

Search Distance: 0.333 Mile

Brownfields sites included in the Project Tracking Database. The term "brownfields" is used to describe abandoned, idled, or underused industrial or commercial properties taken out of productive use because of real or perceived risks from environmental contamination. The State of Nevada has initiated Brownfields, a land-recycling program, to provide an opportunity to redevelop these undesirable properties and revitalize communities.

Date of Government Version: 10/28/2015

Source: Division of Environmental Protection

Number of Days to Update: 31

Telephone: 775-687-9384

Last EDR Contact :03/23/2016

COAL ASH: Coal Ash Disposal Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

A listing of coal ash plants.

Date of Government Version: 10/02/2013

Source: Division of Environmental Protection

Number of Days to Update: 29

Telephone: 775-687-9477

Last EDR Contact :02/29/2016

Financial Assurance 1: Financial Assurance Information Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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: 12/21/2015

Source: Department of Environmental Protection

Number of Days to Update: 59

Telephone: 775-687-9465

Last EDR Contact :03/21/2016

Financial Assurance 2: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records

Solid waste facility financial assurance information.

Date of Government Version: 12/01/2015

Source: Division of Environmental Protection

Number of Days to Update: 49

Telephone: 775-687-9477

Last EDR Contact :03/01/2016

HMRI: Hazardous Materials Repository Information Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

Emergency Planning and Community Right-to-Know Act (EPCRA) required facilities which store or manufacture hazardous materials to prepare and submit a chemical inventory report by March 1st of each year to the State Emergency Response Commission (SERC), LEPC and the local fire department. The inventory form must include information on all hazardous chemicals present at the facility during the previous calendar year in amounts that meet or exceed thresholds.

Date of Government Version: 08/05/2008

Source: State Emergency Response Commission

Number of Days to Update: 8

Telephone: 775-687-6973

Last EDR Contact :02/17/2016

LUST: Sites Database

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

Search Distance: 0.333 Mile

RECORD SOURCES AND CURRENCY

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: 10/28/2015
Number of Days to Update: 31
Last EDR Contact :03/23/2016

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872

NPDES: Permitted Facility Listing

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

A listing of permitted wastewater facilities.

Date of Government Version: 12/23/2015
Number of Days to Update: 24
Last EDR Contact :04/04/2016

Source: Department of Environmental Protection
Telephone: 775-687-9414

SHWS: Sites Database

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

A listing of correction action sites.

Date of Government Version: 10/28/2015
Number of Days to Update: 31
Last EDR Contact :03/23/2016

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872

SWF/LF: Landfill List

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: 12/01/2015
Number of Days to Update: 49
Last EDR Contact :03/01/2016

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872

SWRCY: Recycling Information Listing

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

A listing of recycling facilities in Nevada.

Date of Government Version: 11/19/2015
Number of Days to Update: 60
Last EDR Contact :02/16/2016

Source: Department of Environmental Protection
Telephone: 775-687-9463

UST: Underground Storage Tank List

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.

RECORD SOURCES AND CURRENCY

Date of Government Version: 10/28/2015
Number of Days to Update: 31
Last EDR Contact :12/22/2015

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872

VCP: Voluntary Cleanup Program Sites

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

The Voluntary Cleanup Program provides relief from liability to owners who undertake cleanups of contaminated properties under the oversight of the Nevada Division of Environmental Protection.

Date of Government Version: 08/16/2011
Number of Days to Update: 15
Last EDR Contact :03/24/2016

Source: Department of Conservation & Natural Resources
Telephone: 775-687-9381

Washoe Co. UST: Underground Storage Tank in Washoe County

Standard Environmental Record Source: State and tribal registered storage tank lists
A listing of underground storage tank sites located in Washoe County.

Date of Government Version: 12/30/2015
Number of Days to Update: 58
Last EDR Contact :03/28/2016

Source: Washoe County Department of Environmental Health
Telephone: 775-328-2493

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 :02/12/2016

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

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

Date of Government Version: 12/31/2005
Number of Days to Update: 76
Last EDR Contact :01/13/2016

Source: Department of Energy
Telephone: 202-586-8719

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
Number of Days to Update: 40
Last EDR Contact :03/11/2016

Source: Environmental Protection Agency
Telephone: Not Reported

RECORD SOURCES AND CURRENCY

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: 12/31/2014

Source: Department of Justice, Consent Decree Library

Number of Days to Update: 46

Telephone: Varies

Last EDR Contact :03/24/2016

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: 12/09/2015

Source: EPA

Number of Days to Update: 34

Telephone: 800-424-9346

Last EDR Contact :03/30/2016

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 :01/25/2016

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 :02/03/2016

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: 10/30/2015

Source: EPA

Number of Days to Update: 58

Telephone: Not Reported

Last EDR Contact :04/05/2016

ECHO: Enforcement & Compliance History Information

Standard Environmental Record Source: Other Standard Environmental Records

RECORD SOURCES AND CURRENCY

Search Distance: 0.333 Mile

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

Date of Government Version: 09/20/2015

Source: Environmental Protection Agency

Number of Days to Update: 103

Telephone: 202-564-2280

Last EDR Contact :03/23/2016

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 :02/09/2016

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: 06/22/2015

Source: National Response Center, United States Coast Guard

Number of Days to Update: 82

Telephone: 202-267-2180

Last EDR Contact :03/30/2016

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 :01/08/2016

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: 07/20/2015

Source: EPA

Number of Days to Update: 55

Telephone: Not Reported

Last EDR Contact :03/08/2016

RECORD SOURCES AND CURRENCY

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 :02/22/2016

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 :02/22/2016

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

Last EDR Contact :03/11/2016

FUELS PROGRAM: EPA Fuels Program Registered Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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: 11/23/2015

Source: EPA

Number of Days to Update: 86

Telephone: 800-385-6164

Last EDR Contact :02/24/2016

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: 11/23/2015

Source: Department of Energy

Number of Days to Update: 86

Telephone: 202-586-3559

Last EDR Contact :02/08/2016

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Standard Environmental Records

RECORD SOURCES AND CURRENCY

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: 06/24/2015

Source: U.S. Department of Transportation

Number of Days to Update: 68

Telephone: 202-366-4555

Last EDR Contact :03/30/2016

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: 01/23/2015

Source: Environmental Protection Agency

Number of Days to Update: 31

Telephone: 202-564-5088

Last EDR Contact :01/08/2016

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 :02/22/2016

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 :01/25/2016

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: 11/24/2015

Source: EPA Region 4

RECORD SOURCES AND CURRENCY

Number of Days to Update: 34
Last EDR Contact :01/25/2016

Telephone: 404-562-8677

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: 11/04/2015
Number of Days to Update: 52
Last EDR Contact :01/25/2016

Source: EPA, Region 5
Telephone: 312-886-7439

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: 08/20/2015
Number of Days to Update: 111
Last EDR Contact :01/25/2016

Source: EPA Region 6
Telephone: 214-665-6597

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: 03/30/2015
Number of Days to Update: 55
Last EDR Contact :01/25/2016

Source: EPA Region 7
Telephone: 913-551-7003

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

Standard Environmental Record Source: State and tribal leaking storage tank lists
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Number of Days to Update: 118
Last EDR Contact :01/25/2016

Source: EPA Region 8
Telephone: 303-312-6271

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: 01/08/2015
Number of Days to Update: 32
Last EDR Contact :01/27/2016

Source: Environmental Protection Agency
Telephone: 415-972-3372

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
Number of Days to Update: 52
Last EDR Contact :02/01/2016

Source: Environmental Protection Agency
Telephone: 703-308-8245

INDIAN UST R1: Underground Storage Tanks on Indian Land

RECORD SOURCES AND CURRENCY

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 :02/22/2016	

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 :01/25/2016	

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: 11/24/2015	Source: EPA Region 4
Number of Days to Update: 34	Telephone: 404-562-9424
Last EDR Contact :01/25/2016	

INDIAN UST R5: 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 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 :01/25/2016	

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: 08/20/2015	Source: EPA Region 6
Number of Days to Update: 111	Telephone: 214-665-7591
Last EDR Contact :01/25/2016	

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 :01/25/2016	

RECORD SOURCES AND CURRENCY

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: 10/13/2015

Source: EPA Region 8

Number of Days to Update: 118

Telephone: 303-312-6137

Last EDR Contact :01/25/2016

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: 12/14/2014

Source: EPA Region 9

Number of Days to Update: 28

Telephone: 415-972-3368

Last EDR Contact :01/27/2016

INDIAN VCP R1: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

Search Distance: 0.333 Mile

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 :04/01/2016

INDIAN VCP R7: Voluntary Cleanup Priority Listing

Standard Environmental Record Source: State and tribal voluntary cleanup sites

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: 11/25/2014

Source: Environmental Protection Agency

Number of Days to Update: 64

Telephone: 703-603-8787

Last EDR Contact :04/07/2016

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

RECORD SOURCES AND CURRENCY

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 :03/11/2016

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 :02/16/2016

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: 06/26/2015

Source: Nuclear Regulatory Commission

Number of Days to Update: 95

Telephone: 301-415-7169

Last EDR Contact :02/08/2016

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: 10/30/2015

Source: EPA

Number of Days to Update: 58

Telephone: Not Reported

Last EDR Contact :04/05/2016

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

RECORD SOURCES AND CURRENCY

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

Source: EPA

Number of Days to Update: 56

Telephone: 202-564-4267

Last EDR Contact :08/15/2011

ODI: Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records

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: 07/01/2014

Source: EPA

Number of Days to Update: 33

Telephone: 202-566-0500

Last EDR Contact :01/12/2016

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.

RECORD SOURCES AND CURRENCY

Date of Government Version: 02/01/2011
Number of Days to Update: 83
Last EDR Contact :01/29/2016

Source: Environmental Protection Agency
Telephone: 202-566-0517

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: 10/30/2015
Number of Days to Update: 58
Last EDR Contact :04/05/2016

Source: EPA
Telephone: Not Reported

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
Number of Days to Update: 35
Last EDR Contact :06/02/2008

Source: EPA
Telephone: 202-564-4104

RADINFO: Radiation Information Database

Standard Environmental Record Source: Other Standard Environmental Records
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: 07/07/2015
Number of Days to Update: 69
Last EDR Contact :01/07/2016

Source: Environmental Protection Agency
Telephone: 202-343-9775

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: 12/09/2015
Number of Days to Update: 34
Last EDR Contact :03/30/2016

Source: Environmental Protection Agency
Telephone: 703-308-8895

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

Standard Environmental Record Source: Federal RCRA generators list
Search Distance: Property

RECORD SOURCES AND CURRENCY

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: 12/09/2015

Source: Environmental Protection Agency

Number of Days to Update: 34

Telephone: 703-308-8895

Last EDR Contact :03/30/2016

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: 12/09/2015

Source: Environmental Protection Agency

Number of Days to Update: 34

Telephone: 703-308-8895

Last EDR Contact :03/30/2016

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.

Date of Government Version: 12/09/2015

Source: Environmental Protection Agency

Number of Days to Update: 34

Telephone: 703-308-8895

Last EDR Contact :03/30/2016

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: 12/09/2015

Source: Environmental Protection Agency

Number of Days to Update: 34

Telephone: 703-308-8895

Last EDR Contact :03/30/2016

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

RECORD SOURCES AND CURRENCY

Number of Days to Update: 74
Last EDR Contact :03/08/2016

Telephone: 703-416-0223

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
Number of Days to Update: 54
Last EDR Contact :02/19/2016

Source: Environmental Protection Agency
Telephone: 615-532-8599

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: 01/11/2016
Number of Days to Update: 56
Last EDR Contact :04/05/2016

Source: EPA
Telephone: 800-424-9346

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 01/11/2016
Number of Days to Update: 56
Last EDR Contact :04/05/2016

Source: EPA
Telephone: 800-424-9346

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
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203

RECORD SOURCES AND CURRENCY

Last EDR Contact :01/25/2016

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 :02/24/2016

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 :03/24/2016

UMTRA: Uranium Mill Tailings Sites

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Number of Days to Update: 146

Telephone: 505-845-0011

Last EDR Contact :03/28/2016

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: 10/20/2015

Source: EPA

Number of Days to Update: 69

Telephone: 202-564-2496

Last EDR Contact :03/24/2016

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: 10/20/2015

Source: EPA

Number of Days to Update: 69

Telephone: 202-564-2496

RECORD SOURCES AND CURRENCY

Last EDR Contact :03/24/2016

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: 12/22/2015

Source: Environmental Protection Agency

Number of Days to Update: 57

Telephone: 202-566-2777

Last EDR Contact :03/22/2016

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: 09/17/2015

Source: Drug Enforcement Administration

Number of Days to Update: 76

Telephone: 202-307-1000

Last EDR Contact :03/01/2016

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: 09/10/2015

Source: Environmental Protection Agency

Number of Days to Update: 53

Telephone: 703-603-0695

Last EDR Contact :02/29/2016

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: 09/01/2015

Source: Environmental Protection Agency

Number of Days to Update: 61

Telephone: 202-566-1917

Last EDR Contact :02/16/2016

US HIST CDL: National Clandestine Laboratory Register

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RECORD SOURCES AND CURRENCY

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

Date of Government Version: 09/17/2015

Source: Drug Enforcement Administration

Number of Days to Update: 76

Telephone: 202-307-1000

Last EDR Contact :03/01/2016

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: 09/10/2015

Source: Environmental Protection Agency

Number of Days to Update: 53

Telephone: 703-603-0695

Last EDR Contact :02/29/2016

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: 08/18/2015

Source: Department of Labor, Mine Safety and Health Administration

Number of Days to Update: 125

Telephone: 303-231-5959

Last EDR Contact :03/02/2016

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 :01/15/2016

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 :01/15/2016

PWS: Public Water System Data

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

RECORD SOURCES AND CURRENCY

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 :02/29/2016

RECORD SOURCES AND CURRENCY

HISTORICAL USE RECORDS

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

Standard Environmental Record Source: Exclusive Recovered Govt. Archives

Search Distance: Property

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Conservation and Natural Resources in Nevada.

Date of Government Version: Not Reported

Source: Department of Conservation and Natural Resources

Number of Days to Update: 178

Telephone: Not Reported

Last EDR Contact :06/01/2012

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 Department of Conservation and Natural Resources in Nevada.

Date of Government Version: Not Reported

Source: Department of Conservation and Natural Resources

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 Department of Conservation and Natural Resources in Nevada.

Date of Government Version: Not Reported

Source: Department of Conservation and Natural Resources

Number of Days to Update: 178

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

RECORD SOURCES AND CURRENCY

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

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

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW® 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

© 2006 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX H

Resumes

Brett C. Bottenberg, M.S., C.E.M

Project Engineer

Professional Experience

Mr. Bottenberg is an Environmental Scientist and Engineer with more than 11 years of professional experience in conducting Phase I and II Environmental Site Assessments (ESAs), National Environmental Policy Act (NEPA) reviews, Spill Prevention, Control, and Countermeasure (SPCC) Plans, Bioremediation Plans, Brownfields Assessments/Project Management, complex laboratory analyses, and analytical data review. Applied experience includes conducting over 400 Phase I ESAs, Phase II ESAs, SPCC Plans and NEPA reviews throughout Nevada, California, Utah, and Arizona. Mr. Bottenberg's diverse background provides project management experience in both the regulatory and construction industries. Further, Mr. Bottenberg has valuable knowledge pertaining to contaminant transport, chemical interactions, and remediation systems.

Project Experience

Bioremediation Plan

- **Confidential Oil Production Client, Nevada** – Project Manager responsible for design and implementation of a bioremediation plan to treat soils contaminated with crude oil at an oil production facility in rural Nevada.

Spill Prevention, Control, and Countermeasure Plans

- **Various Confidential Corporate Clients, Nevada and California** – Project Manager responsible for authoring SPCC Plans for oil production facilities, bulk oil plants, and industrial/commercial facilities containing above ground oil storage greater than 1,320 gallons in order to comply with 40 CFR 112 regulations.

Phase I / II Environmental Site Assessments and NEPA Review Projects

- **Confidential Corporate Client, numerous sites within Nevada and Utah** – Project Manager responsible for providing Phase I Environmental Site Assessments and NEPA Reviews for cellular co-location and new construction projects throughout the State of Nevada. Responsible for communication with State Historic Preservation Office (SHPO) and Native American Cultural Groups in order to comply with Section 106 of the National Historic Preservation Act, Federal Communications Commission (FCC) regulations 47 CFR 1.1301-19 and the Nationwide Programmatic Agreement for the Collocation of Wireless Antennas (PA).
- **Confidential Corporate Clients, numerous sites within Nevada** – Project Manager responsible for providing due diligence expertise within the banking, construction, and real estate industries. Managed and authored over 350 Phase I Environmental Site Assessments and Transaction Screen Assessments for various companies located in Las Vegas and throughout the western states.
- **Confidential Corporate Client, Las Vegas, NV** – Project manager responsible for sampling for lead based paint within Section 8 apartment housing in downtown Las Vegas.
- **Confidential Public Client, Las Vegas, NV** – Project manager responsible for Phase I and Phase II Environmental Site Assessments performed on various properties throughout Las Vegas, Nevada.

Brownfields Projects

- **State of Nevada Brownfields Projects** – Project manager responsible for community outreach, local government assistance, and conducting assessments on blighted properties that are proposed to be renovated and/or developed by cities, towns, counties, or non-federal government agencies within the State of Nevada.

Laboratory Analysis and Data Review Projects

- **Silver State Analytical Laboratory, Las Vegas, NV** – Co-founder of a large environmental laboratory in Las Vegas, NV. Provided expert knowledge of laboratory analysis, including the use of gas chromatography, gas chromatography mass spectrometry, titrations, colorimetric analysis, and atomic absorption. Responsible for regulatory documentation related to State of Nevada certification.
- **Nevada Federal Public Defenders Office, Las Vegas, NV** – Helped provide expert analysis of chain of custody, sampling protocol, and laboratory data for a case involving the prosecution of the owners of a small metals plating business in Las Vegas, NV. Was able to provide valuable information to the Public Defender in their successful defense.
- **Washington State University, Pullman, WA** – Research Assistant responsible for design and implementation of laboratory projects studying the effectiveness of chemical oxidation for remediation of common soil and groundwater contaminants, including benzene, toluene, perchloroethylene, and carbon tetrachloride. Designed complex soil-water systems with successful results that enabled eventual grant awards for further research in these areas.
- **Washington State University, Pullman, WA** – Researcher responsible for design of specific laboratory systems to study Fenton's Reagent and its role in the enhanced desorption and transformation of chloroaliphatic compounds within modified Fenton's reactions. Determined that vigorous reactions of soluble iron and hydrogen peroxide can not only oxidize organic compounds, but also induce desorption of those compounds from organic material with subsequent oxidation and/or reduction.

Education

M.S., Environmental Engineering, Washington State University, 1997.

B.S., Civil Engineering, Washington State University, 1995.

Certifications and Registrations

Nevada Certified Environmental Manager, EM#1690.

Engineer in Training, EIT#20066.

OSHA Hazwoper 40 Hour Certification.

OSHA Hazwoper 8 Hour Refresher.

Adult First Aid/CPR/AED Certification.

Affiliations

Commercial Real Estate Development Association (NAIOP).

Nevada Professional Facilities Managers Association (NPFMA).

Lauren Bruno
Staff Scientist**Professional Experience**

Mrs. Bruno is a graduate from Florida State University with a Bachelor's of Science Degree in Environmental Studies. Mrs. Bruno's areas of expertise include soil and gas sampling, water quality monitoring, water sampling, due diligence (Phase I ESAs) investigations, and permitting. Responsibilities include report preparation, correspondence, as well as field activities including groundwater sampling, oversight of remedial activities and drilling activities.

Project Experience

- **Titanium Metals Facility, Henderson, NV** – Staff scientist responsible for acting as the authorized representative of the State of Nevada Division of Environmental Protection (NDEP) to oversee the remediation of contaminated materials. Supervised all field staff and interfaced directly with responsible parties, oversight team for insurance company, other regulatory agencies, construction project manager, and affected community. Oversight included detailed review of plans, specifications, local, county, State and Federal regulations and guidance. Developed photographic and written reports for delivery to the NDEP.
- **City of Henderson Landfill, Henderson, NV** – Staff scientist responsible for groundwater monitoring services including measuring groundwater levels and taking groundwater samples, conducting landfill gas samples, monitoring erosion of the area, and performing security and maintenance duties. Groundwater sampling focused on contaminants that may be present in landfill leachate from the municipal waste site.
- **Phase I Environmental Site Assessments** – Mrs. Bruno has performed numerous Phase I Environmental Site Assessments (ESA's) in the state of Nevada. Sites include gas stations, warehouses, undeveloped land auto stations and strip malls. This experience allows Mrs. Bruno to meet clients' environmental due diligence needs in a direct and reliable manner.

Education

B.S., Environmental Geography, Florida State University, 2007

Certifications and Registrations

OSHA Hazwoper 40 Hour Certification

Adult First Aid/CPR/AED Certification

Environmental Due Diligence Certification

Nevada Asbestos License I-1880

Affiliations

Member of the Air & Waste Management Association (A&WMA) Nevada Section

Member of the Henderson Chamber of Commerce