PHASE I ENVIRONMENTAL SITE ASSESSMENT

4429 Losee Road
North Las Vegas
Clark County
Nevada

Prepared for:

Nevada State Development Corporation
1551 Desert Crossing Ct., Suite 100
Las Vegas, Nevada 89144

On behalf of:

JS Pest Control

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 .................................................... 10  

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 generally comprised of an area that appears to have been scraped in the past. The property is covered with desert vegetation on the surface. An unimproved road crosses the northwest corner of the Subject Property. At the time of the site visit, the ground surface contained debris that consisted of broken glass and ash scattered over the Subject Property. The property is accessed from the west via Minnesota Avenue and from the north via Madison Avenue.

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.

Historical Recognized Environmental Conditions (HREC)

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

- The Subject Property received a “No Further Action” determination from NDEP once the waste removal activities associated with the site were completed.

Controlled Recognized Environmental Conditions (CREC)

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

Recognized Environmental Conditions (REC)

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.

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.

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 near the city limits of Ely in 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; and,

- **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  Not Observed
Residential debris that consisted of glass and metal was scattered over the Subject Property.
• 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 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.

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 generally comprised of a scraped area with desert vegetation covering the surface. An unimproved road crosses the northwest corner of the Subject Property. At the time of the site visit, the ground surface contained debris that consisted of broken glass and ash scattered over the Subject Property. The property is accessed from the west via Minnesota Avenue and from the north via Madison Avenue.
2.4 Adjoining Properties

The Subject Property is bordered by the following:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>North:</td>
<td>Madison Avenue with residential land beyond</td>
</tr>
<tr>
<td>South:</td>
<td>Residential land and the remaining five acres of the former dump site</td>
</tr>
<tr>
<td>East:</td>
<td>The remaining five acres of the former dump site</td>
</tr>
<tr>
<td>West:</td>
<td>Minnesota Avenue with undeveloped land beyond</td>
</tr>
</tbody>
</table>

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 additional five acres of land located east of the Subject Property was primarily a fenced area that consists of hilly terrain that appears to be consistent with landfill cells which have been previously capped. 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 Palnor 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 106-150 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, it appears the fence surrounding the adjacent property was installed 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. 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. Mr. Calderwood stated the Subject Property and the adjacent property to the east was previously used as a landfill. In the mid 2000’s, the landfill waste associated with the Subject Property was removed and placed on top of the waste located on the eastern adjacent property. The waste was capped and vegetation was provided as final cover. After the waste was removed, the top two or three inches of the soil located on the Subject Property was scraped and removed.

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. Mr. Locke 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 one portion and removed any significant pieces of metal from on 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. Ms. Blackham 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 Subject Property and consolidating the waste on the adjacent parcel, 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 F. 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

Based on historical information reviewed for this report, the Subject Property appears to have been 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. 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 G.

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. Visible waste found on the surface of the Subject Property was addressed via excavation and removal. The Subject Property was then scraped and the waste was consolidated on the adjacent property to the east, compacted, and capped with soil fill. On July 27, 2007, a No Further Action (NFA) Determination was provided by the Nevada Division of Environmental Protection for the Subject 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.

6.2 Historical Recognized Environmental Conditions

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

- The Subject Property received a “No Further Action” determination from NDEP once the waste removal activities associated with the site were completed.

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.

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.
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 H.

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


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


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


White Pine County Assessor’s Office (online), ([http://www.whitepinecounty.us/assessor/index.htm](http://www.whitepinecounty.us/assessor/index.htm)).
Western Regional Climate Center (WRCC), 2015. Desert Research Institute Website (http://www.wrcc.dri.edu/climatedata/climsum/).
FIGURE 1
PROJECT LOCATION MAP
-SHOWING-
APN 005-341-17 AND 18
MADISON AVE
ELY, NEVADA

DESIGNED: LB
DRAWN: TAD
CHECKED: LB
APPROVED

COORDINATE SYSTEM:
NAD 1983 UTM Zone 11N

BRN-032
5/25/2016
FIGURE 2

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

COORDINATE SYSTEM:
NAD 1983 UTM Zone 11N

DESIGNED: LB
DRAWN: TAD
CHECKED: LB
APPROVED

JOB NO.: BRN-032

5/25/2016

AERIAL PHOTO YEAR: 2013
APPENDIX A
Assessor’s Map and Parcel Information
Parcel Detail for Parcel # 005-341-17

Location

Property Location
- Town: District 5.2 - PEARCE ADDITION
- Subdivision: PEARCE SUBDIVISION
- Lot: 17
- Block:

Ownership

- Assessed Owner Name: TREASURER AS TRUSTEE
- Mailing Address: 801 CLARK STREET
  SUITE #2
  ELY, NV 89301

Legal Description
- Legal Owner Name: WHITE PINE COUNTY
- Vesting Doc #: Date: 00/00/00
- Book / Page:
- Map Document #s:

Description

- Total Acres: 5.420
- Ag Acres: .000
- W/R Acres: .000

Improvements
- Non-dwelling Units: 0
- Mobile Home Hookups: 0
- Wells: 0
- Septic Tanks: 0
- Attached / Detached Buildings Sq Ft: 0
- Residence Sq Ft: 0
- Basement Sq Ft: 0
- Finished Basement SF: 0

Assessed Valuation

- Assessed Values: 2016-17
  - Land: 10,995
  - Improvements: 0
  - Personal Property: 0
  - Ag Land: 0
  - Exemptions: 0
  - Net Assessed Value: 10,995

- Increased (New) Values: 2016-17
  - Land: 0
  - Improvements: 0
  - Personal Property: 0

Appraisal Classifications

- Current Land Use Code: 120
- Zoning Code(s):
- Re-appraisal Group: 5
- Re-appraisal Year: 2015
- Original Construction Year:
- Weighted Year:

Taxable Valuation

- Taxable Values: 2016-17
  - Land: 31,414
  - Improvements: 0
  - Personal Property: 0
  - Ag Land: 0
  - Exemptions: 0
  - Net Taxable Value: 31,414

- Increased (New) Values: 2016-17
  - Land: 0
  - Improvements: 0
  - Personal Property: 0

Back to Search List
Ownership History for Parcel # 005-341-17

<table>
<thead>
<tr>
<th>Current Owners</th>
<th>Prior Owners</th>
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<tbody>
<tr>
<td><strong>Name</strong></td>
<td><strong>From</strong></td>
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<tr>
<td>TREASURER AS TRUSTEE BOX 510 ELY, NV 89301-0000</td>
<td>1912</td>
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<tr>
<td><strong>Name</strong></td>
<td><strong>From</strong></td>
</tr>
<tr>
<td>STATE OF NEVADA 37-436</td>
<td>0</td>
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**NOTE:** This is not a complete history and should not be used in place of a title search.
## Parcel Detail for Parcel # 005-341-18

### Location
- **Property Location**
  - **Town**
  - **District 5.2 - PEARCE ADDITION**
  - **Subdivision** PEARCE SUBDIVISION
  - **Lot** 18
  - **Block**

### Ownership
- **Assessed Owner Name** TREASURER AS TRUSTEE
- **Mailing Address** 801 CLARK STREET
  - **SUITE #2**
  - **ELY, NV 89301**
- **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
- **W/R Acres** .000

#### Improvements
- **Non-dwelling Units** 0
- **Bedrooms / Baths** 0 / .00
- **Mobile Home Hookups** 0
- **Wells** 0
- **Septic Tanks** 0
- **Buildings Sq Ft** 0
- **Residence Sq Ft** 0
- **Basement Sq Ft** 0
- **Finished Basement SF** 0
- **Basement**

### 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

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<tr>
<th>Assessed Values</th>
<th>2016-17</th>
<th>2015-16</th>
<th>2014-15</th>
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<tr>
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<td>10,142</td>
<td>10,142</td>
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<tr>
<td>Improvements</td>
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<td>0</td>
</tr>
<tr>
<td>Personal Property</td>
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<tr>
<td>Exemptions</td>
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<td><strong>Net Assessed Value</strong></td>
<td><strong>16,224</strong></td>
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### Taxable Valuation

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<th>Taxable Values</th>
<th>2016-17</th>
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<th>2014-15</th>
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<td>28,977</td>
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<td>Improvements</td>
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<td>Exemptions</td>
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<td><strong>Net Taxable Value</strong></td>
<td><strong>46,354</strong></td>
<td><strong>28,977</strong></td>
<td><strong>28,977</strong></td>
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### Increased (New) Values

| Land        | 0       | 0       | 0       |
| Improvements| 6,081   | 0       | 0       |
| Personal Property | 0     | 0       | 0       |
## Ownership History for Parcel # 005-341-18

**Current Owners**

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<thead>
<tr>
<th>Name</th>
<th>From</th>
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</thead>
<tbody>
<tr>
<td>TREASURER AS TRUSTEE</td>
<td>1912</td>
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<tr>
<td>BOX 510</td>
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<tr>
<td>ELY, NV 89301-0000</td>
<td></td>
</tr>
</tbody>
</table>

**Prior Owners**

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<thead>
<tr>
<th>Name</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE OF NEVADA 37-436</td>
<td>0</td>
<td>1912</td>
</tr>
</tbody>
</table>

*NOTE: This is not a complete history and should not be used in place of a title search.*
Photograph 1:
Northwest corner the Subject Property, looking southeast.

Photograph 2:
Southwest corner of the Subject Property, looking north.
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 facing northeast

Photograph 6:
Western edge of the Subject Property facing south
Photograph 7:
Adjacent Madison Avenue to the north of the Subject Property with residential land beyond

Photograph 8:
Adjacent residential property to the south of the Subject Property
Photograph 9:
Adjacent former landfill property to the east of the Subject Property

Photograph 10:
Adjacent property to the west of the Subject Property and beyond Madison Avenue
Photograph 11:
View of unimproved road and desert landscape on the northwest portion of the Subject Property

Photograph 12:
View of former landfill and scraped area looking northeast
Photograph 13:
View of scraped area with minimal vegetation, facing north

Photograph 14:
View of scattered debris on the surface of the scraped area
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
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.

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.

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EDR Historical Topo Map Report

Site Name: Old White Pine County Landfill
Madison Avenue/ Minnesota A
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:

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<tr>
<th>P.O.#</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project:</td>
<td>BRN032 &amp; BRN033</td>
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</table>

Coordinates:

| Latitude: | 39.238297 39° 14' 18" North |
| 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
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
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 Excavation
 ADDRESS: Madison Avenue/ Minnesota Avenue
 Ely, NV 89301
 CLIENT: McGinley Associates
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 Excavator
ADDRESS: Madison Avenue/ Minnesota Avenue
Ely, NV 89301
CLIENT: McGinley Associates
This report includes information from the following map sheet(s).

TP, Ely, 1952, 30-minute

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

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<th>Client Name:</th>
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<td>McGinley Associates</td>
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<tr>
<td>Madison Avenue/ Minnesota Ave</td>
<td>815 Maestro Drive</td>
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<tr>
<td>Ely, NV 89301</td>
<td>Reno, NV 89511</td>
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<tr>
<td>EDR Inquiry #</td>
<td>Contact: Lauren Bruno</td>
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<tr>
<td>4587118.3</td>
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</table>

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.

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

Inquiry Number: 4587118.5
April 11, 2016
Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.

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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.

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<th>Year</th>
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<th>Cross Street</th>
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<td></td>
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## FINDINGS

### TARGET PROPERTY STREET

Madison Avenue/ Minnesota Avenue  
Ely, NV 89301

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**E MADISON AVE**

Target and Adjoining not listed in Source

**MADISON AV**

Target and Adjoining not listed in Source

**MADISON AVE**

Street not listed in Source

**MINNESOTA AVE**

Street not listed in Source

Target and Adjoining not listed in Source
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FINDINGS

CROSS STREETS

No Cross Streets Identified
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Target Street | Cross Street | Source
---|---|---
MINNESOTA AVE | 2013 | Cole Information Services

859 | OCCUPANT UNKNOWN
889 | JC POPLIN
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E MADISON AVE  2003

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291  OCCUPANT UNKNOWN
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371  HAL BYBEE
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**E MADISON AVE** 1999

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<td>Target Street</td>
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<tr>
<td>MADISON AV</td>
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| 0 | BRUCE BETTRIDGE  
|   | JACK NORCROSS  
|   | KEITH ANDERSON  
|   | MEGAN NORCROSS  |

1999
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<td>NORCROSS, MEGAN</td>
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<td>STEPHENSON, R</td>
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<th>MEDINA, DAVID</th>
<th>MEDINA, JAMIE</th>
<th>NORCROSS, DARREN</th>
<th>NORCROSS, JACK</th>
<th>SALISBURY, DOUGLAS</th>
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</table>
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
Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.

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

Click on Map ID to see full detail.

<table>
<thead>
<tr>
<th>MAP ID</th>
<th>SITE NAME</th>
<th>ADDRESS</th>
<th>DATABASE ACRONYMS</th>
<th>RELATIVE ELEVATION</th>
<th>DIST (ft. &amp; mi.) DIRECTION</th>
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<td>INTERSECTION OF MADISON</td>
<td>US BROWNFIELDS, FINDS, ECHO</td>
<td>Lower</td>
<td>33, 0.006, WNW</td>
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<td>J.B. HUNT TRANSPORT</td>
<td>1690 SOUTH GREAT BASIN</td>
<td>SHWS</td>
<td>Higher</td>
<td>2795, 0.529, NW</td>
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<tr>
<td>A3</td>
<td>PAN SOUTHWEST POWERL</td>
<td>1600 GREAT BASIN BLVD</td>
<td>SHWS, NPDES</td>
<td>Higher</td>
<td>3024, 0.573, NW</td>
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<td>705 AVENUE K</td>
<td>SHWS, UST</td>
<td>Lower</td>
<td>4889, 0.926, NW</td>
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</table>
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.

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<th>Direction / Distance</th>
<th>Map ID</th>
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<td>PAN SOUTHWEST POWERL</td>
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<tr>
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<td>705 AVENUE K</td>
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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.
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<td>WNW 0 - 1/8 (0.006 mi.)</td>
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<td>City</td>
<td>Site Name</td>
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<th>&gt; 1</th>
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| **STANDARD ENVIRONMENTAL RECORDS**

#### Federal NPL site list

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#### Federal CERCLIS list

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#### Federal CERCLIS NFRAP site list

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#### Federal RCRA CORRACTS facilities list

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*State and tribal Brownfields sites*

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### ADDITIONAL ENVIRONMENTAL RECORDS

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#### EDR HIGH RISK HISTORICAL RECORDS

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**EDR RECOVERED GOVERNMENT ARCHIVES**

**Exclusive Recovered Govt. Archives**

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- Totals --

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This page contains information about various government records and datasets, including but not limited to:

- **US AIRS (AFS)**: Aerometric Information Retrieval System Facility Subsystem (EPA)
- **US AIRS MINOR**: Air Facility System Data (EPA)
- **US BROWNFIELDS**: A Listing of Brownfields (USPA)
- **US MINES**: 3 Active Mines & Mineral Plants Database Listing (USGS)
- **CT MANIFEST**: Facility and Manifest Data (Department of Environmental Conservation)
- **NY MANIFEST**: Facility and Manifest Data (Department of Environmental Conservation)
- **TC4587118.2s**: Page GR-3

Each dataset is associated with specific government agencies and dates, as indicated in the table. The information is provided for research and educational purposes and is subject to change. The data is accurate as of the provided dates. For the most current information, please consult the respective government agencies or sources.
Groundwater flow velocity is generally impacted by the nature of the geologic strata.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.
GROUNDWATER FLOW DIRECTION INFORMATION
Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

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

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

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

FEMA FLOOD ZONE
Target Property County: WHITE PINE, NV  
FEMA Flood Electronic Data: Not Available
Flood Plain Panel at Target Property: Not Reported
Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY
NWI Quad at Target Property: 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.

MAP ID: Not Reported  LOCATION: FROM TP  GENERAL DIRECTION: GROUNDWATER FLOW

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

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT | GEOLOGIC AGE IDENTIFICATION
--- | ---
Era: Cenozoic | Category: Stratified Sequence
System: Quaternary
Series: Quaternary
Code: Q | (decoded above as Era, System & Series)

### 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

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>9 inches</td>
<td>very gravelly loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel</td>
<td>Max: 14 Min: 4</td>
<td>Max: 9 Min: 7.9</td>
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<tr>
<td>2</td>
<td>9 inches</td>
<td>18 inches</td>
<td>extremely gravelly fine sandy loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel</td>
<td>Max: 14 Min: 4</td>
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</tr>
<tr>
<td>3</td>
<td>18 inches</td>
<td>29 inches</td>
<td>indurated</td>
<td>Not reported</td>
<td>Not reported</td>
<td>Max: 0.01 Min: 0</td>
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<tr>
<td>4</td>
<td>29 inches</td>
<td>59 inches</td>
<td>or to gravelly sandy loam to extremely gravelly coarse sand</td>
<td>Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel</td>
<td>Max: 141 Min: 42</td>
<td>Max: 9 Min: 7.9</td>
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### 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

<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
</table>
| 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

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<th>Boundary</th>
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<th>Classification</th>
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<th>Saturated hydraulic conductivity (micro m/sec)</th>
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<tr>
<td>2</td>
<td>3 inches</td>
<td>35 inches</td>
<td>fine sandy loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14</td>
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<tr>
<td>3</td>
<td>35 inches</td>
<td>59 inches</td>
<td>gravelly fine sandy loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
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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

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FEDERAL USGS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
### FEDERAL USGS WELL INFORMATION

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### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

No PWS System Found

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

### STATE DATABASE WELL INFORMATION

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Area Radon Information

State Database: NV Radon

Radon Test Results

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<td>60</td>
<td>47</td>
<td>13</td>
<td>21.67</td>
<td>3.04</td>
<td>32.8</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Area</th>
<th>Average Activity</th>
<th>% &lt;4 pCi/L</th>
<th>% 4-20 pCi/L</th>
<th>% &gt;20 pCi/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Area - 1st Floor</td>
<td>2.733 pCi/L</td>
<td>81%</td>
<td>19%</td>
<td>0%</td>
</tr>
<tr>
<td>Living Area - 2nd Floor</td>
<td>Not Reported</td>
<td>Not Reported</td>
<td>Not Reported</td>
<td>Not Reported</td>
</tr>
<tr>
<td>Basement</td>
<td>5.509 pCi/L</td>
<td>43%</td>
<td>57%</td>
<td>0%</td>
</tr>
</tbody>
</table>
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 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

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.
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

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

Inquiry Number: 4587118.6s
April 8, 2016
Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

---

### TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>SECTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Summary</td>
<td>ES1</td>
</tr>
<tr>
<td>Primary Map</td>
<td>2</td>
</tr>
<tr>
<td>Secondary Map</td>
<td>3</td>
</tr>
<tr>
<td>Aerial Photography</td>
<td>4</td>
</tr>
<tr>
<td>Map Findings</td>
<td>5</td>
</tr>
<tr>
<td>Record Sources and Currency</td>
<td>GR-1</td>
</tr>
</tbody>
</table>

---

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### STANDARD ENVIRONMENTAL RECORDS

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<tr>
<th>Record Source</th>
<th>Maximum Search Distance*</th>
<th>Summary 1/10</th>
<th>Summary 1/10 - 1/3</th>
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<td>Federal NPL</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Federal CERCLIS</td>
<td>0.333</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Federal RCRA CORRACTS facilities list</td>
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<td>0</td>
</tr>
<tr>
<td>Federal RCRA TSD facilities list</td>
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</tr>
<tr>
<td>Federal RCRA generators list</td>
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<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Federal institutional controls / engineering controls registries</td>
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<td>0</td>
</tr>
<tr>
<td>Federal ERNS list</td>
<td>property</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>State and tribal - equivalent NPL</td>
<td>not searched</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>State and tribal - equivalent CERCLIS</td>
<td>0.333</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>State and tribal landfill / solid waste disposal</td>
<td>0.333</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>State and tribal leaking storage tank lists</td>
<td>0.333</td>
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<td>-</td>
</tr>
<tr>
<td>State and tribal institutional control / engineering control registries</td>
<td>not searched</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>State and tribal voluntary cleanup sites</td>
<td>0.333</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>State and tribal Brownfields sites</td>
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<td>0</td>
<td>0</td>
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<tr>
<td>Other Standard Environmental Records</td>
<td>0.333</td>
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<td>1</td>
</tr>
</tbody>
</table>

### HISTORICAL USE RECORDS

<table>
<thead>
<tr>
<th>Record Source</th>
<th>Maximum Search Distance*</th>
<th>Summary 1/10</th>
<th>Summary 1/10 - 1/3</th>
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</thead>
<tbody>
<tr>
<td>Former manufactured Gas Plants</td>
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<tr>
<td>Historical Gas Stations</td>
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<td>0</td>
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<tr>
<td>Historical Dry Cleaners</td>
<td>0.125</td>
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<td>0</td>
</tr>
<tr>
<td>Exclusive Recovered Govt. Archives</td>
<td>property</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

*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.
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

<table>
<thead>
<tr>
<th>Layer</th>
<th>Boundary</th>
<th>Soil Texture Class</th>
<th>Classification</th>
<th>Saturated hydraulic conductivity (micro m/sec)</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>9 inches</td>
<td>very gravelly</td>
<td>Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>AASHTO Group</td>
<td>Max: 14 Min: 4</td>
<td>Max: 9 Min: 7.9</td>
</tr>
</tbody>
</table>

---

TC EXECUTIVE SUMMARY 3
<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>9 inches</td>
<td>18 inches</td>
<td>extremely gravelly fine sandy loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel</td>
<td>Max: 14 Min: 4</td>
<td>Max: 9 Min: 7.9</td>
</tr>
<tr>
<td>3</td>
<td>18 inches</td>
<td>29 inches</td>
<td>indurated</td>
<td>Not reported</td>
<td>Not reported</td>
<td>Max: 0.01 Min: 0</td>
<td>Max: Min:</td>
</tr>
<tr>
<td>4</td>
<td>29 inches</td>
<td>59 inches</td>
<td>sr to gravelly sandy loam to extremely gravelly coarse sand</td>
<td>Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel</td>
<td>Max: 141 Min: 42</td>
<td>Max: 9 Min: 7.9</td>
</tr>
</tbody>
</table>

**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
<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0 inches</td>
<td>3 inches</td>
<td>gravelly loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.</td>
<td>Max: 14 Min: 4</td>
<td>Max: 8.4 Min: 7.9</td>
</tr>
<tr>
<td>2</td>
<td>3 inches</td>
<td>12 inches</td>
<td>gravelly loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay</td>
<td>Max: 14 Min: 4</td>
<td>Max: 8.4 Min: 7.9</td>
</tr>
<tr>
<td>3</td>
<td>12 inches</td>
<td>55 inches</td>
<td>cemented</td>
<td>Not reported</td>
<td>Not reported</td>
<td>Max: 0.42 Min: 0.01</td>
<td>Max: Min:</td>
</tr>
</tbody>
</table>

**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
<table>
<thead>
<tr>
<th>Layer</th>
<th>Upper</th>
<th>Lower</th>
<th>Soil Texture Class</th>
<th>AASHTO Group</th>
<th>Unified Soil</th>
<th>Saturated hydraulic conductivity micro m/sec</th>
<th>Soil Reaction (pH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3 inches</td>
<td>35 inches</td>
<td>fine sandy loam</td>
<td>Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14</td>
<td>Max: 9 Min: 7.9</td>
</tr>
<tr>
<td>3</td>
<td>35 inches</td>
<td>59 inches</td>
<td>gravelly fine sandy loam</td>
<td>Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.</td>
<td>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.</td>
<td>Max: 42 Min: 14</td>
<td>Max: 9 Min: 7.9</td>
</tr>
</tbody>
</table>
Unmappable (orphan) sites are not considered in the foregoing analysis.

**STANDARD ENVIRONMENTAL RECORDS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Dist/Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLD ELY LANDFILL</td>
<td>INTERSECTION OF MADISON AND MICHIGAN STREETS</td>
<td>&lt;1/10 WNW</td>
<td>▼ 1</td>
<td>12</td>
</tr>
<tr>
<td>USTPO 09 ELY SHOSHONE SILVER SAGE TRAVEL PLAZA</td>
<td>HIGHWAY 93</td>
<td>1/10 - 1/3 SW</td>
<td>▲ 2</td>
<td>21</td>
</tr>
</tbody>
</table>

**HISTORICAL USE RECORDS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Dist/Dir</th>
<th>Map ID</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td></td>
</tr>
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</table>
## LEGEND

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

### FACILITY NAME
*FACILITY ADDRESS, CITY, ST, ZIP*

<table>
<thead>
<tr>
<th>▼ MAP ID#</th>
<th>Direction Distance Range</th>
<th>(Distance feet / miles)</th>
<th>Relative Elevation</th>
<th>Feet Above Sea Level</th>
<th>EDR SITE ID NUMBER</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>▼</td>
<td></td>
<td></td>
<td></td>
<td>1016348746</td>
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</tbody>
</table>

### 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*

<table>
<thead>
<tr>
<th>▼ 1</th>
<th>WNW &lt;1/10</th>
<th>(33 ft. / 0.006 mi.)</th>
<th>Other Standard Environmental Records</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 ft. Lower Elevation</td>
<td>6504 ft. Above Sea Level</td>
<td></td>
</tr>
</tbody>
</table>

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

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<th>06/30/2005 00:00:00</th>
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<td>Cleanup funding:</td>
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<td>US EPA - State &amp; Tribal Section 128(a) Funding</td>
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<td>Assessment funding:</td>
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<td>Assessment funding source:</td>
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<td>N</td>
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<tr>
<td>Cleanup required:</td>
<td>Yes</td>
</tr>
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<td>Video available:</td>
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<td>Air contaminated:</td>
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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
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 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
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
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
OLD ELY LANDFILL, INTERSECTION OF MADISON AND MICHIGAN STREETS, ELY, NV 89301 (Continued)

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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
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
Controled substance found: Not Reported
Controled 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
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
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Greenspace acreage and type: Not Reported
Superfund Fed. landowner flag: Not Reported
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Cadmium cleaned up: Not Reported
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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
Media affected Building Material: Not Reported
Media affected indoor air: Not Reported
Building material media cleaned up: Not Reported
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
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: 2012144293

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 it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include: Incident Tracking, Compliance Assistance, and Compliance Monitoring.
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  
  **Number of Days to Update:** 3  
  **Source:** EPA  
  **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  
  **Number of Days to Update:** 69  
  **Source:** Environmental Protection Agency  
  **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  
  **Number of Days to Update:** 15  
  **Source:** Division of Environmental Protection  
  **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  
  **Number of Days to Update:** 31  
  **Source:** Department of Conservation and Natural Resources  
  **Telephone:** 775-687-5872  
  **Last EDR Contact:** 03/23/2016

**BROWNFIELDS:** Project Tracking Database
- Standard Environmental Record Source: State and tribal Brownfields sites
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.

**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.

**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.

**Financial Assurance 2: Financial Assurance Information**
Standard Environmental Record Source: Other Standard Environmental Records
Solid waste facility financial assurance information.

**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.

**LUST: Sites Database**
Standard Environmental Record Source: State and tribal leaking storage tank lists
Search Distance: 0.333 Mile
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

**NPDES:** Permitted Facility Listing
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property
A listing of permitted wastewater facilities.

**SHWS:** Sites Database
Standard Environmental Record Source: State and tribal - equivalent CERCLIS
Search Distance: 0.333 Mile
A listing of correction action sites.

**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.

**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.

**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.
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<td>01/13/2016</td>
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<tr>
<td><strong>COAL ASH EPA</strong></td>
<td>Coal Combustion Residues Surface Impoundments List</td>
<td>0.333 Mile</td>
<td>Environmental Protection Agency</td>
<td>07/01/2014</td>
<td>40</td>
<td>Not Reported</td>
<td>03/11/2016</td>
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</table>
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 Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Source: Department of Transporation, 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
Number of Days to Update: 103
Last EDR Contact: 03/23/2016

Source: Environmental Protection Agency
Telephone: 202-564-2280

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
Number of Days to Update: 88
Last EDR Contact: 02/09/2016

Source: Environmental Protection Agency
Telephone: 617-520-3000

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
Number of Days to Update: 82
Last EDR Contact: 03/30/2016

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180

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
Number of Days to Update: 55
Last EDR Contact: 01/08/2016

Source: FEMA
Telephone: 202-646-5797

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
Number of Days to Update: 55
Last EDR Contact: 03/08/2016

Source: EPA
Telephone: Not Reported
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
Number of Days to Update: 25
Last EDR Contact :02/22/2016

Source: EPA/Office of Prevention, Pesticides and Toxic Substances Telephone: 202-566-1667

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

Date of Government Version: 04/09/2009
Number of Days to Update: 25
Last EDR Contact :02/22/2016

Source: EPA Telephone: 202-566-1667

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
Number of Days to Update: 97
Last EDR Contact :03/11/2016

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285

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
Number of Days to Update: 86
Last EDR Contact :02/24/2016

Source: EPA Telephone: 800-385-6164

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
Number of Days to Update: 86
Last EDR Contact :02/08/2016

Source: Department of Energy Telephone: 202-586-3559

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
Standard Environmental Record Source: Other Standard Environmental Records
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  

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
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

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

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

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

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

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

INDIAN UST R1: Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal registered storage tank lists
Search Distance: Property

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

Date of Government Version: 10/20/2015 Source: EPA, Region 1
Number of Days to Update: 67 Telephone: 617-918-1313
Last EDR Contact :02/22/2016

INDIAN UST R10: Underground Storage Tanks on Indian Land
Standard Environmental Record Source: State and tribal registered storage tank lists

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
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
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
Number of Days to Update: 37
Last EDR Contact: 03/11/2016
Source: Environmental Protection Agency
Telephone: 202-564-6023

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
Number of Days to Update: 13
Last EDR Contact: 02/16/2016
Source: Department of the Navy
Telephone: 843-820-7326

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
Number of Days to Update: 95
Last EDR Contact: 02/08/2016
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

NPL: National Priority List

Standard Environmental Record Source: Federal NPL
Search Distance: 0.333 Mile

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

Date of Government Version: 10/30/2015
Number of Days to Update: 58
Last EDR Contact: 04/05/2016
Source: EPA
Telephone: Not Reported

NPL Site Boundaries
Sources:
EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-566-0690
EPA Region 1
Telephone: 617-918-1102
EPA Region 2
Telephone: 212-637-4293
NPL LIENS: Federal Superfund Liens
Standard Environmental Record Source: Federal NPL
Search Distance: Property

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

Date of Government Version: 10/15/1991
Number of Days to Update: 56
Last EDR Contact: 08/15/2011
Source: EPA
Telephone: 202-564-4267

ODI: Open Dump Inventory
Standard Environmental Record Source: Other Standard Environmental Records
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
Number of Days to Update: 39
Last EDR Contact: 06/09/2004
Source: Environmental Protection Agency
Telephone: 800-424-9346

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
Number of Days to Update: 33
Last EDR Contact: 01/12/2016
Source: EPA
Telephone: 202-566-0500

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

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.

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 administrative 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.

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.

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.
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. 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. 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). 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
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.

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.

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.

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.
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
- **Number of Days to Update:** 133
- **Telephone:** 202-566-0250

**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
- **Number of Days to Update:** 14
- **Telephone:** 202-260-5521

**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
- **Number of Days to Update:** 146
- **Telephone:** 505-845-0011

**US AIRS (AFS):** Aerometric Information Retrieval System Facility Subsystem (AFS)
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property

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

- **Date of Government Version:** 10/20/2015
- **Number of Days to Update:** 69
- **Telephone:** 202-564-2496

**US AIRS MINOR:** Air Facility System Data
Standard Environmental Record Source: Other Standard Environmental Records
A listing of minor source facilities.

- **Date of Government Version:** 10/20/2015
- **Number of Days to Update:** 69
- **Telephone:** 202-564-2496
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

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

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

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
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
Number of Days to Update: 76
Last EDR Contact: 03/01/2016
Source: Drug Enforcement Administration
Telephone: 202-307-1000

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
Number of Days to Update: 53
Last EDR Contact: 02/29/2016
Source: Environmental Protection Agency
Telephone: 703-603-0695

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
Number of Days to Update: 125
Last EDR Contact: 03/02/2016
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

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
Number of Days to Update: 62
Last EDR Contact: 01/15/2016
Source: USGS
Telephone: 888-275-8747

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
Number of Days to Update: 34
Last EDR Contact: 01/15/2016
Source: USGS
Telephone: 202-208-3710

PWS: Public Water System Data
Standard Environmental Record Source: Other Standard Environmental Records
Search Distance: Property
<table>
<thead>
<tr>
<th>Record Sources and Currency</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water</strong></td>
<td></td>
</tr>
<tr>
<td>Date of Government Version: 12/17/2013</td>
<td>Source: EPA</td>
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<td>Number of Days to Update: 279</td>
<td>Telephone: Not Reported</td>
</tr>
<tr>
<td>Last EDR Contact: 02/29/2016</td>
<td></td>
</tr>
</tbody>
</table>

TC GR 20
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
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
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

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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

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