

**Reno Office** 815 Maestro Drive Reno, Nevada 89511 Ph: 775.829.2245

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## PHASE I ENVIRONMENTAL SITE ASSESSMENT

## Site A

Northwest Corner of West Victory Road and South Water Street (APN 179-18-204-010) Henderson, Clark County Nevada

> Contract DEP14-008 Task Number M06-14

State of Nevada Department of Conservation & Natural Resources Division of Environmental Protection 901 South Stewart Street, Suite 4001 Carson City, Nevada 89701

> On behalf of: City of Henderson Redevelopment

> > February 18, 2015

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# **EXECUTIVE SUMMARY**

This report presents the findings of a Phase I Environmental Site Assessment (ESA) performed on the property located on the northwest corner of W. Victory Road and S. Water Street, in Henderson, Clark County, Nevada. McGinley and Associates, Inc. (MGA) conducted this investigation for the purpose of identifying recognized environmental conditions (RECs), historical recognized conditions (HRECs), and/or controlled recognized environmental conditions (CRECs) on the property in accordance with the 2013 American Society of Testing and Materials (ASTM) standards for the performance of Phase I Environmental Site Assessments (ASTM E 1527-13), as well as the standards established by the U.S. Environmental Protection Agency (EPA) for conducting All Appropriate Inquiry (AAI).

The Subject Property, known as Site B, is comprised of one parcel that is approximately 0.48 acres in size. The parcel is listed with the Clark County Assessor's Office as assessor parcel number (APN) 179-18-204-010. The subject property is located in the S ½ of the NW ¼ of Section 18, Township 22 South, Range 63 East of the Mount Diablo Base and Meridian.

The parcel is comprised of a graded and undeveloped lot that is surrounded by chain link fencing. A power pole that appears to be waiting for placement is currently stored on the property. It appears the hole for placing the power pole has already been prepared on the northwest corner of the parcel. In addition, according to historical information, it appears that this parcel was a former Nevada Power and California Pacific Utilities facility.

The Subject Property is located within the Mojave Desert region of southeastern Nevada at an elevation of approximately 1,904 feet above mean sea level. Average minimum and maximum annual temperatures for the area, as recorded in the Las Vegas valley during the period from 1937 to 2012, are 54.3 and 80.1 degrees Fahrenheit, respectively, while total annual precipitation averages 4.15 inches.

The geology of the subject property has been mapped as Pediment and fan deposits of Henderson. This unit is described as silty, sandy pebble gravel composed dominantly of dacite clasts derived from the volcanic rocks of the McCullough Range. The majority of surficial soils found at the subject property have been mapped as Caliza very gravelly sandy loam with slopes ranging from 2-8 percent. The unit is classified as Hydrologic Unit A, which is characterized by low run-off potential when thoroughly wet, as water freely transmits through the soil.

There are no surface water bodies that exist on the subject property. The nearest major surface water body to the subject property is the Las Vegas Wash, which is located approximately  $3\frac{1}{2}$  miles to the north. Runoff from the site during storm events would most likely travel overland towards the north. According to the Federal Emergency Management Agency (FEMA), the site is not located within a 100-year flood zone and is listed as being in Zone X, which is described as an area outside the 0.2% annual chance floodplain.

Based upon a review of well logs for the area, as provided on-line by the Nevada Division of Water Resources (NDWR), MGA estimates that depth to groundwater at the subject property is approximately 70 feet below ground surface (bgs) or greater. Based on topographic grade, groundwater flow direction is estimated to be generally towards the north-northeast. However, according to 1998 and 1999 monitoring reports available for review regarding the former Shell Station located on the northern adjacent property, groundwater appears to flow to the south. A search of the NDWR database did not indicate any wells exist or have existed in the past on the subject property. However, the database noted several wells on parcels located adjacent to the north and west of the subject property. Further, a file review of the former Shell Station LUST site located on the adjacent property to the north indicates that a monitoring well (MW-7) may have been located on the Subject Property in the past. This monitoring well appears to have been abandoned in February of 2002.

A regulatory review was performed to search for regulated sites located within a one-mile radius of the Subject Property. The Subject Property was not listed as a regulatory site in the databases searched by EDR. The following regulatory sites were identified in the databases searched by EDR: One Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) site, one CERLIS No Further Remedial Action Planned (CERC-NFRAP) site, one corrective action (CORRACTS) site, one Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal (TSDF) site, 20 Nevada State Hazardous Waste Sites (SHWS) sites, three Leaking Underground Storage Tank (LUST) sites, four Underground Storage Tank (UST) sites, four Solid Waste Recycling (SWRCY) facilities, two RCRA Non-Generator/No Longer Regulated sites, one Formerly Used Defense Site (FUDS), six EDR US Historical Cleaners, and six EDR US Historical Auto Stations within a one-mile search radius from the Subject Property. Based on a review of available information regarding the 50 listed sites, all but four appear to be located far from the Subject Property, are at locations that are considered likely to be hydrologically downgradient from, or cross-gradient to, the Subject Property, have had no reported releases, have had no reported violations of hazardous waste regulations, and/or have received regulatory closure. For this reason, each of those sites are considered unlikely to cause, or to have caused in the past, environmental impact to the Subject Property. The remaining four sites, Rebel Oil, Texaco Station, "Alleyway", and a Shell Station, were all either located on the adjacent property, are upgradient of the Subject Property, or had a confirmed release of a hazardous waste. Therefore, file reviews were requested from the appropriate regulatory agency and those reviews are described in Section 6.3 of this report.

MGA conducted a Tier 1 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 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, on the Subject Property. Based on the Tier 1 VS investigation, a VEC could be ruled out for each sited reviewed.

MGA has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 on one parcel of land listed with Clark County, Nevada, as Assessor's Parcel Number 179-18-204-010, and known as Site B, the property. Any exceptions to, or deletions from, this practice are described in Section 9 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:

• Historical information indicates that the Subject Property was formerly used by Nevada Power and/or California Pacific Utilities for an electrical power related facility. It appears that the facility may have been in use sometime between 1950 and 1996. It is unknown what type of equipment was used.

MGA is of the opinion that further assessments are warranted at this time to assess for possible impacts of contaminants in, on, or at the property due to the possible use of the site by various power companies facilities in the past.

#### 1. INTRODUCTION

#### 1.1 Purpose

This report presents the findings of a Phase I Environmental Site Assessment (ESA) performed on one parcel of land located in Henderson, Clark County, Nevada. McGinley and Associates, Inc. (MGA) conducted this investigation for the purpose of identifying *recognized environmental conditions* (RECs), *historical recognized conditions* (HRECs), and/or *controlled recognized environmental conditions* (CRECs) on the property in accordance with the 2013 American Society of Testing and Materials (ASTM) standards for the performance of Phase I Environmental Site Assessments (ASTM E 1527-13), as well as the standards established by the U.S. Environmental Protection Agency (EPA) for conducting All Appropriate Inquiry (AAI).

#### **1.2 Conditions of Contract**

MGA performed this work for the Nevada Division of Environmental Protection (NDEP) (client) on the behalf of the City of Henderson (user), as part of the State of Nevada Brownfields program pursuant to our Scope of Work approval dated December 8, 2014. The original contract was to conduct the Phase I ESA on two parcels (Site A and Site B) that are separated by W. Victory Road. Site A (APN 179-18-218-001) and Site B (APN 179-18-204-010) are currently being marketed to investors to increase the economic footprint of the downtown Henderson area. However, due to development logistics, the two parcels each had a Phase I ESA conducted on them separately.

### 1.3 User Responsibilities

In accordance with ASTM E 1527-13, the user of this Phase I ESA is required to provide information which establishes the user's baseline of knowledge in relation to the subject property. In order to qualify for one of the Landowner Liability Protection (LLP's) 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 A.

### 1.4 Scope of Work

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

- Environmental setting review to determine potential pathways for the migration of contaminants onto, or off of, the subject property;
- Site reconnaissance of the subject property and observation of adjacent properties and vicinity by a qualified person under the direct supervision of a MGA Certified Environmental Manager;
- **Review of site history/land use** through city street directories, historical fire insurance maps, building permit reports, historical aerial photographs, historical topographic maps, county records, personal interviews, and a previous Phase I ESA report;
- **Review of regulatory agency records** to identify and assess any listings of regulatory permits, registrations, or enforcement actions at the subject site or proximal sites, through a commercial database search, agency inquiries, and a review of regional environmental issues;
- **Review of environmental hazards** to identify environmental issues not subject to regulatory oversight, but which may nevertheless be of concern to the user of this Phase I ESA;
- **Preparation of this report** that describes all work performed and presents a discussion of the results.

### 2. SITE CHARACTERISTICS

#### 2.1 Site Location

Site B is located on the northwest corner of W. Victory Road and S. Water Street in Henderson, Nevada and consists of one parcel that is approximately 0.48 acres in area. The parcel associated with the subject property is listed with the Clark County Assessor's Office as assessor's parcel number (APN) 179-18-204-010. The subject property is located in the S <sup>1</sup>/<sub>2</sub> of the NW <sup>1</sup>/<sub>4</sub> of Section 18, Township 22 South, Range 63 East of the Mount Diablo Base and Meridian. A copy of the Assessor's Map that depicts the subject property is provided herein as Appendix B.

### 2.2 Site Description and Current Usage

At the time of the site visit, the site was not accessible due to secure chain-link fencing surrounding the property. The subject property is currently undeveloped. It appears that the parcel has been cleared and graded. Two pad mounted transformers were observed on the southeast corner of the subject property. The proposed use for the site is the development of a pocket park. The layout of the subject property is illustrated in Figure 2.

#### 2.3 Adjacent Properties

The Subject Property is bordered by the following:

North:	Commercial properties and laundromat	
South:	W. Victory Road with Site B beyond	
East:	S. Water Street with undeveloped land beyond	
West:	Motel	

### 3. ENVIRONMENTAL SETTING

### 3.1 Regional Physiographic Setting

The subject property is located within the Mojave Desert region of southeastern Nevada at an elevation of approximately 1,904 feet above mean sea level. Average minimum and maximum annual temperatures for the area, as recorded in the Las Vegas valley during the period from 1937 to 2012, are 54.3 and 80.1 degrees Fahrenheit, respectively, while total annual precipitation averages 4.15 inches (WRCC, 2013).

### 3.2 Geologic Conditions

The geology of the subject property has been mapped as Pediment and fan deposits of Henderson (John W. Bell and Eugene I. Smith, 1980). This unit is described as silty, sandy pebble gravel composed dominantly of dacite clasts derived from the volcanic rocks of the McCullough Range. The majority of surficial soils found at the subject property have been mapped as Caliza very gravelly sandy loam with slopes ranging from 2-8 percent. The unit is classified as Hydrologic Unit A, which is characterized by low run-off potential when thoroughly wet, as water freely transmits through the soil (NRCS, 2013).

#### 3.3 Surface Water Conditions

There are no surface water bodies that exist on the subject property. The nearest major surface water body to the subject property is the Las Vegas Wash, which is located approximately 3 <sup>1</sup>/<sub>2</sub> miles to the north. Runoff from the site during storm events would most likely travel overland towards the north. According to the Federal Emergency Management Agency (FEMA), the site is not located within a 100-year flood zone and is listed as being in Zone X, which is described as an area outside the 0.2% annual chance floodplain.

#### **3.4 Groundwater Conditions**

Based upon a review of well logs for the area, as provided on-line by the Nevada Division of Water Resources (NDWR), MGA estimates that depth to groundwater at the subject property is approximately 70 feet below ground surface (bgs) or greater. Based on topographic grade, groundwater flow direction is estimated to be generally towards the north-northeast. However, according to 1998 and 1999 monitoring reports available for review regarding the former Shell Station located to the north, groundwater flows towards the south. A search of the NDWR database did not indicate any wells exist or have existed in the past on the subject property. However, the database noted several wells on parcels located adjacent to the north and west of the subject property. Further, a file review of the former Shell Station LUST site located on the adjacent property to the north indicates that a monitoring well (MW-7) may have been located on the Subject Property in the past. This monitoring well appears to have been abandoned in February of 2002.

#### 4. SITE RECONNAISSANCE

#### 4.1 Methodology

For the purpose of assessing current site conditions, a visit to the subject property and surrounding areas was conducted on December 11, 2014 under mild and cloudy conditions. During the site visit, observations were made to identify 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 enforcement action if brought to the attention of appropriate governmental agencies. Photographs taken during the site reconnaissance are provided in Appendix C.

#### 4.2 Site Description

At the time of the site visit, the Subject Property was currently secured by chain-link fencing completely surrounding the site. The land appeared to have been cleared and graded. In addition, a hole, approximately three feet in diameter, was observed near the northeast corner of the parcel. Based on the fact that two power poles were observed laying on their sides on the southern portion of the Subject Property, the hole most likely served as the foundation for the power pole or had recently been dug for placement of the power pole. Lastly, two pad mounted transformers were also observed on the southeast corner of the property.

### 4.3 Surrounding Properties

At the time of the site visit, the properties surrounding the subject property consisted mainly of commercial properties, including a laundromat, and a motel. Reconnaissance of the publicly accessible portions of those properties located immediately adjacent to the subject property revealed no indications or conditions that may impact the subject property.

#### 4.4 Observations During Reconnaissance

MGA representatives visited the subject site on December 11, 2014. The entire site was walked and observed for 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 discovered, 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 findings 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
UST Systems/Vent Pipes	Not Observed
• Above ground storage tanks (ASTs)	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 An approximate three-foot diameter hole was observed on the northwest corner of the Subject Property. The hole appeared to be associated with the power poles observed on the site.	Observed
An approximate three-foot diameter hole was observed on the northwest corner of the Subject Property. The hole appeared to be associated with the	<b>Observed</b> Not Observed
An approximate three-foot diameter hole was observed on the northwest corner of the Subject Property. The hole appeared to be associated with the power poles observed on the site.	
<ul> <li>An approximate three-foot diameter hole was observed on the northwest corner of the Subject Property. The hole appeared to be associated with the power poles observed on the site.</li> <li>Floor drains</li> </ul>	Not Observed
<ul> <li>An approximate three-foot diameter hole was observed on the northwest corner of the Subject Property. The hole appeared to be associated with the power poles observed on the site.</li> <li>Floor drains</li> <li>Air emissions</li> </ul>	Not Observed Not Observed
<ul> <li>An approximate three-foot diameter hole was observed on the northwest corner of the Subject Property. The hole appeared to be associated with the power poles observed on the site.</li> <li>Floor drains</li> <li>Air emissions</li> <li>Industrial or manufacturing activities</li> </ul>	Not Observed Not Observed Not Observed
<ul> <li>An approximate three-foot diameter hole was observed on the northwest corner of the Subject Property. The hole appeared to be associated with the power poles observed on the site.</li> <li>Floor drains</li> <li>Air emissions</li> <li>Industrial or manufacturing activities</li> <li>Distressed, discolored or stained vegetation</li> </ul>	Not Observed Not Observed Not Observed Not Observed
<ul> <li>An approximate three-foot diameter hole was observed on the northwest corner of the Subject Property. The hole appeared to be associated with the power poles observed on the site.</li> <li>Floor drains</li> <li>Air emissions</li> <li>Industrial or manufacturing activities</li> <li>Distressed, discolored or stained vegetation</li> <li>Oil or gas well exploration or refinery activities</li> </ul>	Not Observed Not Observed Not Observed Not Observed
<ul> <li>An approximate three-foot diameter hole was observed on the northwest corner of the Subject Property. The hole appeared to be associated with the power poles observed on the site.</li> <li>Floor drains</li> <li>Air emissions</li> <li>Industrial or manufacturing activities</li> <li>Distressed, discolored or stained vegetation</li> <li>Oil or gas well exploration or refinery activities</li> <li>Surface water contamination</li> </ul>	Not Observed Not Observed Not Observed Not Observed Not Observed

• Basements and/or subsurface vaults

#### 4.5 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. At the time of the site visit, two pad-mounted transformers were observed on the subject property. The transformers appeared to be in good condition and no leaks or staining were observed. There were no stickers indicating the presence or absence of polychlorinated biphenyls (PCBs) observed. However, NV Energy has indicated that they no longer use PCB-containing oils in their electrical equipment and make every effort to remove PCB-containing equipment and replace them with safer equipment.

Historical information suggests that a Nevada Power or California Pacific Utilities facility existed on the Subject Property in the past. However, it is unknown what type of facility occupied the site. Therefore, it is unknown if PCB-containing equipment was utilized on the Subject Property in the past.

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### 5. SITE HISTORY AND LAND USE

As defined in ASTM E 1527-13, a *historical recognized environmental condition (HREC)* 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* (CREC) 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 or implied controls (i.e., property use restrictions, activity use limitations, institutional/engineering controls, etc.).

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, County records, and questionnaires/interviews. 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.

## 5.1 Historic Aerial Photographs

Environmental Data Resources, Inc. (EDR) provided aerial photographs covering the area of the subject property for years: 1950, 1958, 1960, 1971, 1975, 1981, 1990, 2004, 2006 and 2010. A current aerial photograph was available via Google Earth. Aerial photographs for years other than these dates were not available for review. The image year and a brief description of the image is provided below. A copy of the EDR historic aerial photograph report and additional aerial photographs reviewed for this report are provided in Appendix D.

YEAR		DESCRIPTION	
	Northern Subject Property	Surrounding Properties	
1950	A structure appears to be located in the center of the property	Appears to be mostly residential to the south, and some development in the vicinity	
1958	Photograph is not clear	An industrial plant is seen to the northwest and more residential properties in the vicinity	
1960	Appears to contain a larger structure	Commercial and residential development appear north, east and west of the subject property	
1971	No changes observed	More development appears in the vicinity	
1975 An additional structure More commercial and residential developme		More commercial and residential development in the vicinity	
1981	Structure appears to be gone	A structure to the west can be seen and the structure to the north is no longer observed. Additionally, a new structure appears on the northern adjacent property. Older structures on Site A appear to be replaced by larger structures	
1990	No changes observed	No changes observed	
1999	Parcel appears to be graded with no structures	Some structures to the south appear to be gone	
2004	No obvious changes (Photograph is blurry)	No obvious changes (Photograph is blurry)	
2006	2006 No changes observed Most residential houses to the south appear cleared		
2010	No changes observed	The larger structures to the south and east appear to be cleared and the area appears to be graded	
		An asphalt parking lot is observed to the south on Site A	

## 5.2 Historic Topographic Maps

A historic topographic map report provided by EDR was reviewed for the subject property and its immediate vicinity. The topographic maps dated 1886, 1926, 1952, 1970, 1973, and 1983, did not appear to show indications of potential environmental issues associated with the subject property. A copy of the EDR historic topographic map report is provided in Appendix D.

### 5.3 Sanborn Maps

A Sanborn Map Report for the subject property and adjoining properties was provided by EDR. Sanborn fire insurance maps, which can often provide detailed historical information on a site, have not been published for the area of the subject property. A copy of the report reviewed is provided in Appendix E.

## 5.4 City Directory Directories

City street directory listings for the subject property and its adjacent properties were provided by Environmental Data Resources, Inc. (EDR). City directory listings for the subject property were reviewed for the years:1959, 1967, 1992, 1995, 1999, 2003, 2008, and 2013. City directories for years other than these dates were not available for review. The directory year and the associated listings are provided below. A copy of the EDR city directory report is provided in Appendix E.

	D	DESCRIPTION	
YEAR	SubjectS. Water StreetProperty		W. Victory Road
1959	No listing	Commercial and residential properties including Basic Auto Parts	Residential properties
1967	No listing	Commercial properties	Residential properties
1992	No listing	Commercial properties	Residential properties and a Church
1995	No listing	Commercial properties	Residential properties and a Church
1999	No listing	Commercial properties including Rebel Oil Company	Residential properties, occupant unknown and a Church
2003	No listing	Commercial properties including A & W Cleaning Services, Rebel Oil Company	Residential properties and a Church
2008	No listing	Commercial properties including Rebel Oil Company	Residential properties, occupant unknown and a Church
2013	No listing	Commercial properties including Rebel Oil Company	Residential properties, occupant unknown and a Church

## 5.5 Clark County Assessor's Office

According to the Clark County, Nevada Assessor's Office, the subject property is comprised of one parcel of land listed as Clark County APNs 179-18-204-010. The area of the parcel is approximately 0.48 acres.

According to available assessor's information, the parcel is currently owned by City of Henderson Redevelopment. Information available on the website indicates that the current owner of APN 179-18-204-010 purchased the subject property in March of 1999. Previous owners of the subject property include James and Jean Hanily and Nevada Power Company. Previous ownership information can be found in Appendix B.

#### 5.6 Interviews

During the site visit, the owner of the property was not available for an interview. However, a former owner of the site, NV Energy, was contacted regarding the history of that parcel. According to Kimberly Williams, an environmental engineer for NV Energy, the site was owned by NV Energy in the 1970s but no improvements were made by them on the property. When specifically asked if equipment was ever on the parcel, Ms. Williams stated that no equipment was ever on the parcel. This appears to contradict aerial photos which appear to show development on the property in photos dated 1950, 1960, 1971, 1975, 1981, and 1990.

## 6. REGULATORY AGENCY REVIEW

A regulatory agency review was conducted through both a commercial database search (Environmental Data Resources, Inc. (EDR)) state agency inquiries, and local agency inquiries. The purpose of this regulatory agency review was to ascertain if regulatory actions have been imposed on the subject property, adjacent properties, or on properties within the radius guidelines established by the 2013 ASTM Standards for Environmental Site Assessments.

### 6.1 EDR Radius Map Report

A regulatory review was performed to search for regulated sites located within a one-mile radius of the Subject Property. The Subject Property was not listed as a regulatory site in the databases searched by EDR. The following regulatory sites were identified in the databases searched by EDR: One Comprehensive Environmental Response, Compensation, and liability Liability Information System (CERCLIS) site, one CERLIS No Further Remedial Action Planned (CERC-NFRAP) site, one corrective action (CORRACTS) site, one Resource Conservation and Recovery Act (RCRA) Treatment, storage and Disposal (TSDF) site, 20 Nevada State Hazardous Waste Sites (SHWS) sites, three Leaking Underground Storage Tank (LUST) sites, four Underground Storage Tank (UST) sites, four Solid Waste Recycling (SWRCY) facilities, two RCRA Non-Generator/No Longer Regulated sites, one Formerly Used Defense Site (FUDS), six EDR US Historical Cleaners, and six EDR US Historical Auto Stations within a one-mile search radius from the Subject Property. Based on a review of available information regarding the 50 listed sites, all but three appear to be located far from the Subject Property, are at locations that are considered likely to be hydrologically downgradient from, or cross-gradient to, the Subject Property, have had no reported releases, have had no reported violations of hazardous waste regulations, and/or have received regulatory closure. For this reason, each of those sites are considered unlikely to cause, or to have caused in the past, environmental impact to the Subject Property.

The remaining four sites, Rebel Oil, Texaco Station, "Alleyway", and a Shell Station, were all either located on the adjacent property, are upgradient of the Subject Property, or had a confirmed release of a hazardous waste. Based on this information, a review of available files with the Nevada Division of Environmental Protection and Southern Nevada Health District for the adjacent properties were conducted. Those reviews are described in Section 6.3 of this report.

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 each are located far from the subject property, are at locations that are considered likely to be hydrologically downgradient from, or cross gradient to, the subject property, have had no reported releases, have had no reported violations of hazardous waste regulations, and/or have received regulatory closure. For this reason, the unmapped sites are considered unlikely to cause, or to have caused in the past, environmental impact to the subject property.

### 6.2 EDR Vapor Encroachment Screen

MGA conducted a Tier 1 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 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

MGA performed a VES for the area encompassing the Subject Property by identifying regulatory sites from the EDR Radius Map Report that are located within a 1/3 mile minimum search distance from the Subject Property boundary. Initially, 20 sites were identified within a 1/3 mile minimum search distance from the Subject Property. The 1/3 mile minimum search distance is the default distance used to establish a preliminary Area of Concern. In accordance with ASTM E 2600-10, MGA used professional judgment to reduce the Area of Concern by considering factors including, but not limited to; groundwater flow direction, hydrogeological conditions, subsurface characteristics, distance from Subject Property, contaminant type, and previous remediation activities. After reducing the Area of Concern, five sites remained. However, a VEC could be ruled out for the Subject Property because a VEC does not likely exist from these sites. A copy of the VES report is included herein as Appendix G.

## 6.3 City of Henderson

On December 19, a file review request was initiated with the City of Henderson. On January 7, 2015, Mr. Roy Rodriguez, Senior Fire Inspector for the City of Henderson responded to MGA's request regarding the Subject Property. According to Mr. Rodriguez, no hazardous materials are stored or utilized on the subject property, no above or underground tanks are located on the subject property, no fuel powered generators are located on the subject property, and there are no records of any hazardous material spills or fire code violations on the subject property.

## 6.4 Southern Nevada Health District

On December 16, 2014, a file review request was sent to the Southern Nevada Health District for reviewing files associated with the properties located at 58 S Water Street (Rebel Oil Station) and 85 W Lake Mead Parkway (small shopping center including a laundromat). An email reply was provided by Ms. Edie Mattox on December 22, 2014. According to Ms. Mattox, the only file available for review is for 58 S Water Street.

Based on the information within the available file, the site is a Rebel Oil gas station. The station is located to the north and is approximately 230 feet from subject property. The facility is currently enrolled in the State of Nevada Petroleum Fund. Based on the available files, it appears the facility has had minor housekeeping issues in the past. These issues have included a failure to send leak detection records and failure to submit financial responsibility records. However, the facility has remained in compliance once that information was provided. Currently, there is no indication of potential impacts to the subject property at this time.

## 6.5 Nevada Division of Environmental Protection

Based on the findings of the one-mile radius search, the NDEP files for the subject property and/or adjacent properties (regulated) were requested to be reviewed for this report. The following sections describe those reviews.

#### 6.5.1 Texaco, 3 East Lake Mead Drive, Facility 8-001824

Based on the information available for review from the NDEP, it appears that records since at least 1992 are available. In December of 1999, a Notification for Underground Storage Tanks (EPA 7530 Form) was submitted to the Clark County Health District. The submitted form indicated that one 10,000 gallon gasoline UST and one 15,000 gallon gasoline tank were to be registered. It appears the USTs were initially installed in 1997 and operated until April 2001. The USTs were removed in June of 2001 and during the removal, a small leak in the 15,000 gallon UST was discovered. Subsequently, corrective actions in the form of soil excavation was initiated. Approximately 45.51 tons of contaminated soil was transported for disposal from the UST location. The confirmation soil samples did not exceed the NDEP soil action level for TPH of 100 mg/Kg. Therefore, a No Further Action (NFA) letter was recommended and received in August of 2001.

In addition, it appears that the site is currently an active LUST site due to a gasoline leak that was reported to NDEP in October of 2012. It appears the leak has impacted soil only and it does not appear that the Subject Property has been impacted from this leak at this time.

#### 6.5.2 Shell, 65 West Lake Mead Drive, Facility H-000495

Based on the information available for review from the NDEP, it appears the Shell Service Station was in use between 1957 and 1977. In 1971, the original USTs were removed and replaced with three 10,000 gallon USTs. In 1977, the Shell Station closed and the 10,000 gallon UST's were removed. In 1994 the site was assessed due to a pending sale of the property. Several groundwater monitoring wells were installed on the property and total petroleum hydrocarbons in the gasoline range and benzene were detected. However in 1999, after approximately three years of monitoring, attenuation modeling was conducted for the site and it was determined that the benzene would not exceed the dissolved product action level beyond the boundary of the former Shell site. Therefore, in 1999, a NFA letter was granted based on Nevada Administrative Code (NAC) 459.9977(2.)(c).

## 7. POTENTIAL ENVIRONMENTAL HAZARDS

A review of site-specific, potential environmental hazards was conducted for the purpose of identifying environmental issues not subject to regulatory enforcement action, but which may nevertheless be considered a *Business Environmental Risk* to the user of this Phase I ESA. Non-scope business risk considerations may include the following but are not limited to:

- Asbestos
- Lead Based Paint
- Mold
- Radon
- Industrial Hygiene
- Health and Safety
- Indoor Air Quality (unrelated to releases of hazardous substances or petroleum products into the environment)
- Ecological Resources
- Endangered Species
- Cultural/Historical Resources

The following non-scope business risk considerations have been reviewed for this Phase I ESA.

#### 7.1 Asbestos

Asbestos containing material (ACM) has been identified as a potential health hazard, particularly when that material is friable and becomes damaged. Identification and sampling for the presence of ACM are beyond the Scope of Work (as outlined in Section 1.4 of this report) for this Phase I ESA. Currently, there are no structures on the Subject Property.

## 7.2 Lead Based Paint

Lead based paint (LBP) has been identified as a potential health hazard, especially in young children. When lead is absorbed into the body, it can cause damage to the brain and other vital organs. Buildings constructed prior to 1978 may have utilized paints which contained lead. Identification and sampling for the presence of lead in paint is beyond the Scope of Work (as outlined in Section 1.4 of this report) for this Phase I ESA. Currently, there are no structures on the Subject Property.

### 7.3 Radon

Radon gas is a colorless, toxic gas derived from the radioactive decay of uranium and other minerals, which are often found within bedrock and unconsolidated sediments. Radon gas can enter homes and other structures through floor cracks and other openings that are in direct contact with the underlying geologic materials. Sampling for the presence of radon gas is beyond the Scope of Work (as outlined in Section 1.4 of this Report) for this Phase I ESA. However, MGA has reviewed the U.S. Environmental Protection Agency (EPA) published map of radon zones for the State of Nevada. According to the map, Clark County is identified as Zone 3, which is defined as areas having low radon potential (<2 pCi/L). The U.S. EPA recommended action level for radon gas is 4 pCi/L.

Based on the information reviewed, MGA is of the opinion that the risk of radon gas accumulation is not likely an environmental concern at the subject property at this time. However, should the user of this Phase I ESA wish to gain confidence with regard to the risk of radon gas, it is recommended that any future on-site structures be tested.

### 7.4 Mold

Molds are naturally occurring organisms that live and reproduce on moist surfaces. Within the interior of a structure, the presence of mold can lead to asthma, allergic reactions, and respiratory problems. Identification and sampling for the presence of mold are beyond the scope of work (as outlined in Section 1.4 of this Report) for this Phase I ESA.

### 8. FINDINGS AND CONCLUSIONS

McGinley and Associates, Inc. (MGA) has performed this Phase I Environmental Site Assessment in accordance with the scope and limitations of ASTM Practice E 1527-13 for the subject property located on the northwest corner of W. Victory Road and S. Water Street in Henderson, Nevada. A summary of our environmental findings and conclusions is presented below.

#### 8.1 Findings

#### 8.1.1 Historical Recognized Environmental Conditions (HREC)

No historical recognized environmental conditions (HRECs) were found for the subject property

#### 8.1.2 Controlled Recognized Environmental Conditions (CREC)

No controlled recognized environmental conditions (CRECs) were found for the subject property.

#### 8.1.3 Recognized Environmental Conditions (REC) rec,

One *recognized environmental condition* was found for the subject property and is as follows:

• Historical information indicates that the Subject Property was formerly used by Nevada Power and/or California Pacific Utilities for an electrical power related facility. It appears that the facility may have been in use sometime between 1950 and 1996. It is unknown what type of equipment was used.

#### 8.1.4 Other Concerns

Other potential concerns for the site include the following:

- The former Shell station to the north received a NFA letter due to modeling indicating that benzene concentrations would most likely remain on site. However, it is unknown if the plume has migrated since the last groundwater monitoring event.
- A former monitoring well (MW-7) appears to have been constructed on the Subject Property in order to monitor potential downgradient impacts from the former Shell station to the north. Although it appears that the monitoring well was abandoned in the past, no definitive evidence was reviewed that indicated proper abandonment was achieved.

#### 8.2 Conclusions

MGA has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 on one parcel of land listed with Clark County, Nevada, as Assessor's Parcel Number 179-18-204-010, and known as Site B, the property. Any exceptions to, or deletions from, this practice are described in Section 9 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:

• Historical information indicates that the Subject Property was formerly used by Nevada Power and/or California Pacific Utilities for an electrical power related facility. It appears that the facility may have been in use sometime between 1950 and 1996. It is unknown what type of equipment was used.

MGA is of the opinion that further assessments are warranted at this time to assess for possible impacts of contaminants in, on, or at the property due to the possible use of the site by various power companies facilities in the past.

### 9. LIMITATIONS

#### 9.1 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.

#### 9.2 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 1950. 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.
- Sanborn fire insurance maps were not available for the area covering the subject property. However, this data gap is not considered significant as specific use of the property and adjoining properties appears evident from other historical sources.
- Past owners were not available within reasonable time and/or cost constraints for interview for this report. This data gap is not considered significant since it is likely all information obtained would be duplicative of information obtained from other sources.

#### **10. 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 ASTM E 1527-13. 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.

en Bruno

Lauren Bruno Staff Scientist

#### **Reviewed by:**

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.

Brett Bottenberg, C.E.M. #1690, Exp. Date 10/7/15 Project Manager

#### 11. **REFERENCES**

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

Clark County Assessor's Office (on-line), http://clarkcountynv.gov/depts/assessor/pages/recordsearch.aspx.

Environmental Data Resources, December 11, 2014. The EDR Aerial Photo Decade Package. Inquiry Number: 4158211.9.

Environmental Data Resources, December 11, 2014. The EDR Certified Sanborn Map Report. Inquiry Number: 4158211.3.

Environmental Data Resources, December 15, 2014. The EDR City Directory Image Report. Inquiry Number: 4158211.5.

Environmental Data Resources, December 11, 2014. The EDR Historical Topographic Map Report. Inquiry Number: 4158211.4.

Environmental Data Resources, December 11, 2014. The EDR Radius Map Report. Inquiry Number: 4158211.2s.

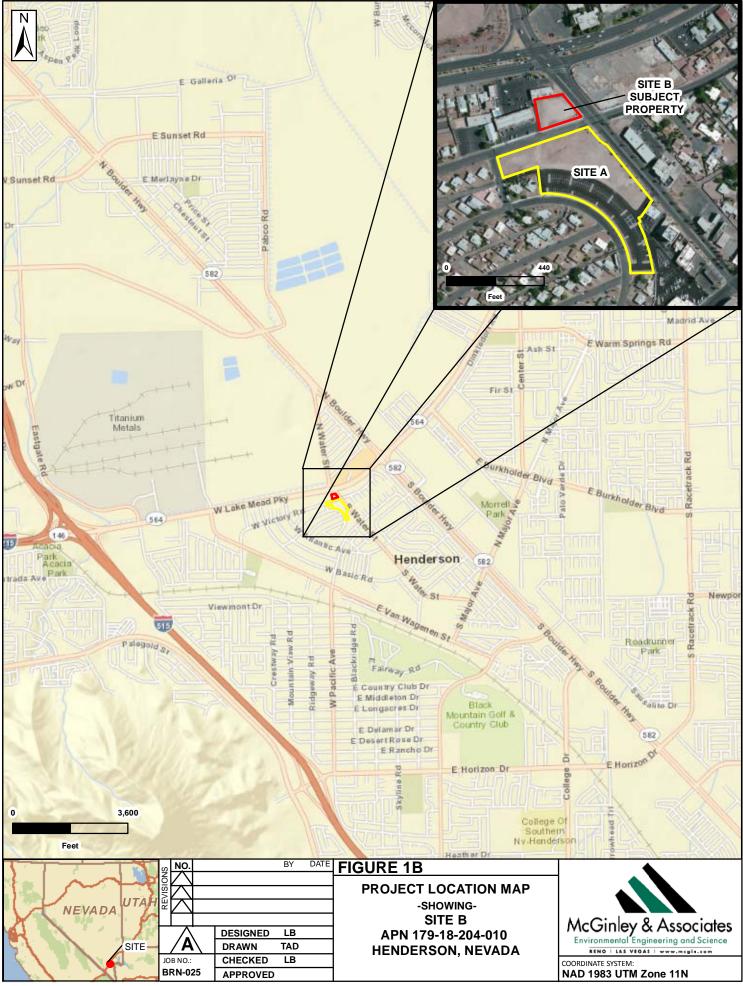
Environmental Data Resources, January 9, 2015. The EDR Vapor Encroachment Screen. Inquiry Number: 4158211.6s.

John W. Bell and Eugene I. Smith, 1980, *Geologic Map of the Henderson Quadrangle Nevada*, Map 67 Nevada Bureau of Mines and Geology, University of Nevada Reno.

Natural Resources Conservation Service. Soil Survey Area: Las Vegas Valley Area, Nevada, Part of Clark County. Survey Area Data: Version 10, Aug 22, 2014. United States Department of Agriculture.

Nevada Division of Water Resources (on-line), http://water.nv.gov, Well log database.

Western Regional Climate Center (WRCC), 2013. Desert Research Institute Website.



BRN 025 01B 1/7/2015



BRN 025 02 1/7/2015

## APPENDIX A User Questionnaire

## **USER QUESTIONNAIRE**

#### Property Address: Clark County APNs: 179-18-204-010 and 179-18-218-001

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 conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquires must also be conducted by EPA Brownfield Assessment and Characterization grantees. The User should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

The "User," as defined by the ASTM 1527-13 Standard Practice for Environmental Site Assessments, is "the party seeking to use Practice E1527 to complete an environmental site assessment of the property. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager." The User has specific obligations for completing a successful application of this practice, which includes, but is not limited, to the following:

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

To meet the requirements of 40 CFR 312.20 and 312.25, a search for the existence of environmental liens and activity use limitations (AULs) that are filed or recorded against the property must be conducted. Environmental liens and AULs are legally distinct instruments and have very different purposes and both can commonly be found within recorded land title records (e.g County Recorder/Registry of Deeds). Any environmental liens and AULs known to the User should be reported to the environmental professional. The User should engage a title company, real estate attorney, or title professional to undertake a review of reasonably ascertainable recorded land title records for environmental liens and AULs currently recorded against or relating to the property.

Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state, or local law?

Note I- In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

(2.) Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *property* (40 CFR 312.26(a)(1)(v) and (vi)).

Did a search of *recorded land title records* (or judicial records where appropriate, see Note 1 above) identify any AULs, such as *engineering controls*, land use restrictions, or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state, or local law?

Initials:

## **USER QUESTIONNAIRE**

#### Property Address: Clark County APNs: 179-18-204-010 and 179-18-218-001

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

Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

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

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

(5.) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30). Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

(a.) Do you know the past uses of the property? Resulential and smell scale retail

(b.) Do you know of specific chemicals that are present or once were present at the property?

(c.) Do you know of spills or other chemical releases that have taken place at the property?

(d.) Do you know of any environmental cleanups that have taken place at the property?

Initials:

## **USER QUESTIONNAIRE**

#### Property Address: Clark County APNs: 179-18-204-010 and 179-18-218-001

(6.) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

No

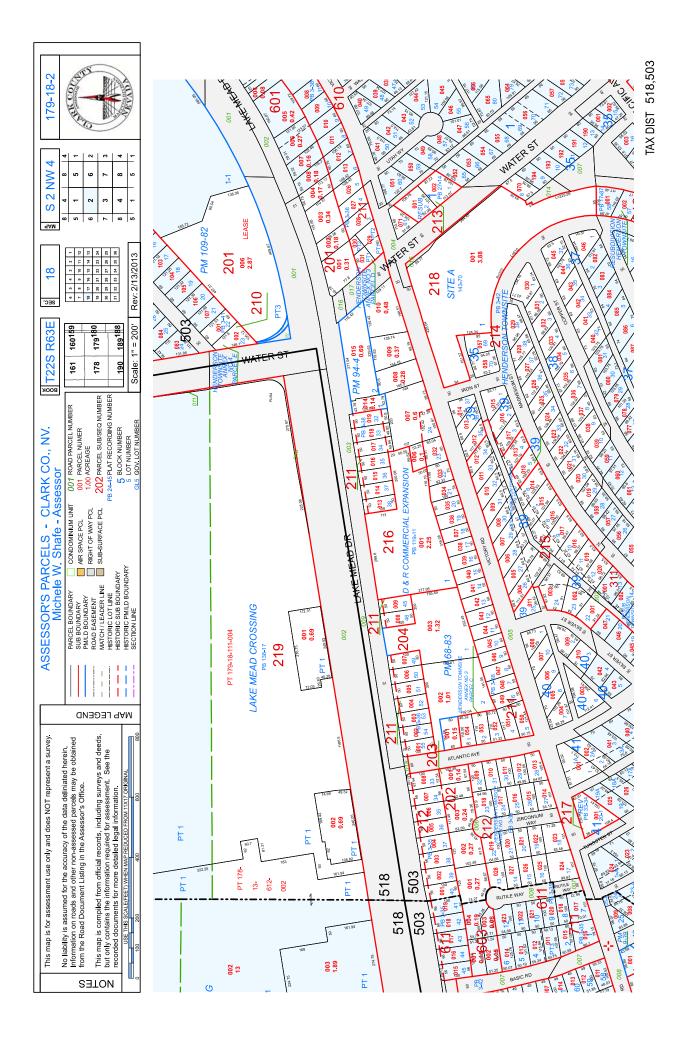
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Signature & Mile Dountain Redevelopment Murager.

Initials: \_\_\_\_\_

# APPENDIX B

Assessor's Map and Parcel Information



GENERAL INFORMATION	SENERAL INFORMATION		
PARCEL NO.	179-18-204-010		
OWNER AND MAILING ADDRESS	CITY OF HENDERSON REDEVELOPMENT 240 WATER ST P O BOX 95050 HENDERSON NV 89009-5050		
LOCATION ADDRESS CITY/UNINCORPORATED TOWN	HENDERSON		
ASSESSOR DESCRIPTION	PT OF ANNEX #3 ACREAGE SEC 18-22-63		
RECORDED DOCUMENT NO.	* 19990330:00053		
RECORDED DATE	Mar 30 1999		
VESTING	NS		
COMMENTS			

\*Note: Only documents from September 15, 1999 through present are available for viewing.

ASSESSMENT INFORMATION AND SUPPLEMENTAL VALUE		
TAX DISTRICT	503	
APPRAISAL YEAR	2014	
FISCAL YEAR	2015-16	
SUPPLEMENTAL IMPROVEMENT VALUE	0	
SUPPLEMENTAL IMPROVEMENT ACCOUNT NUMBER	N/A	

REAL PROPERTY ASSESSED VALUE		
FISCAL YEAR	2014-15	2015-16
LAND	29273	29273
IMPROVEMENTS	0	0
PERSONAL PROPERTY	0	0
ЕХЕМРТ	29273	29273
GROSS ASSESSED (SUBTOTAL)	29273	29273
TAXABLE LAND+IMP (SUBTOTAL)	83637	83637
COMMON ELEMENT ALLOCATION ASSD	0	0
TOTAL ASSESSED VALUE	29273	29273
TOTAL TAXABLE VALUE	83637	83637

ESTIMATED LOT SIZE AND APPRAISAL INFORMATION		
ESTIMATED SIZE	0.48 Acres	
ORIGINAL CONST. YEAR	0	
LAST SALE PRICE MONTH/YEAR	229988 3/1999	
LAND USE	000 - Vacant	
DWELLING UNITS	0	

PRIMARY RESIDENTIAL STRUCTURE					
1ST FLOOR SQ. FT.	0	CARPORT SQ. FT.	0	ADDN/CONV	
2ND FLOOR SQ. FT.	0	STORIES		POOL	NO
3RD FLOOR SQ. FT.	0	BEDROOMS	0	SPA	NO
BASEMENT SQ. FT.	0	BATHROOMS	0	TYPE OF CONSTRUCTION	
GARAGE SQ. FT.	0	FIREPLACE	0	ROOF TYPE	
CASITA SQ. FT.	0				

## Michele W. Shafe, Assessor

### PARCEL OWNERSHIP HISTORY

	Comment Codes	Current Ownership	New Search
ASSESSOR DESCRIPTION			
PT OF ANNEX #3 ACREAGE SEC 18-22-63			

CURRENT PARCEL NO.	CURRENT OWNER	%	RECORDED DOCUMENT NO.	RECORDED DATE	VESTING	TAX DIST	EST SIZE	COMMENTS
179-18-204-010	CITY OF HENDERSON REDEVELOPMENT		19990330:00053	Mar 30 1999	NS	503	.48 AC	12:00:00 AM

PARCEL NO.	PRIOR OWNER(S)	%	RECORDED DOCUMENT NO.	RECORDED DATE	VESTING	TAX DIST	EST SIZE	COMMENTS
179-18-204-010	HANILY JAMES J & JEAN A		19970903:00156	09/03/1997	TC	503	.4800 AC	
179-18-204-010	NEVADA POWER COMPANY		00000829:0788303	12/30/1977	NS	503	.4800 AC	
190-550-030	NEVADA POWER CO		0829:0788303	12/30/1977	NS	505	.48 AC	FR 190-550-013,025

Note: Only documents from September 15, 1999 through present are available for viewing.

**NOTE:** THIS RECORD IS FOR ASSESSMENT USE ONLY. NO LIABILITY IS ASSUMED AS TO THE ACCURACY OF THE DATA DELINEATED HEREON.

## APPENDIX C Site Photographs



Subject Property looking northeast



Southern edge of Subject Property looking west



Western edge of Subject Property looking south



Eastern edge of Subject Property looking north



Adjacent property to the north with evidence of abandoned monitoring wells in forefront



Adjacent motel property to the west



### Subject property looking west



Observed excavation near northwest corner of Subject Property – appears to be associated with installation and/or removal of power poles

## APPENDIX D

Historical Aerial Photographs and Topographic Maps

## **Undeveloped Property**

W VICTORY RD & S WATER ST Henderson, NV 89015

Inquiry Number: 4158211.9 December 11, 2014

## The EDR Aerial Photo Decade Package



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

## **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.

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

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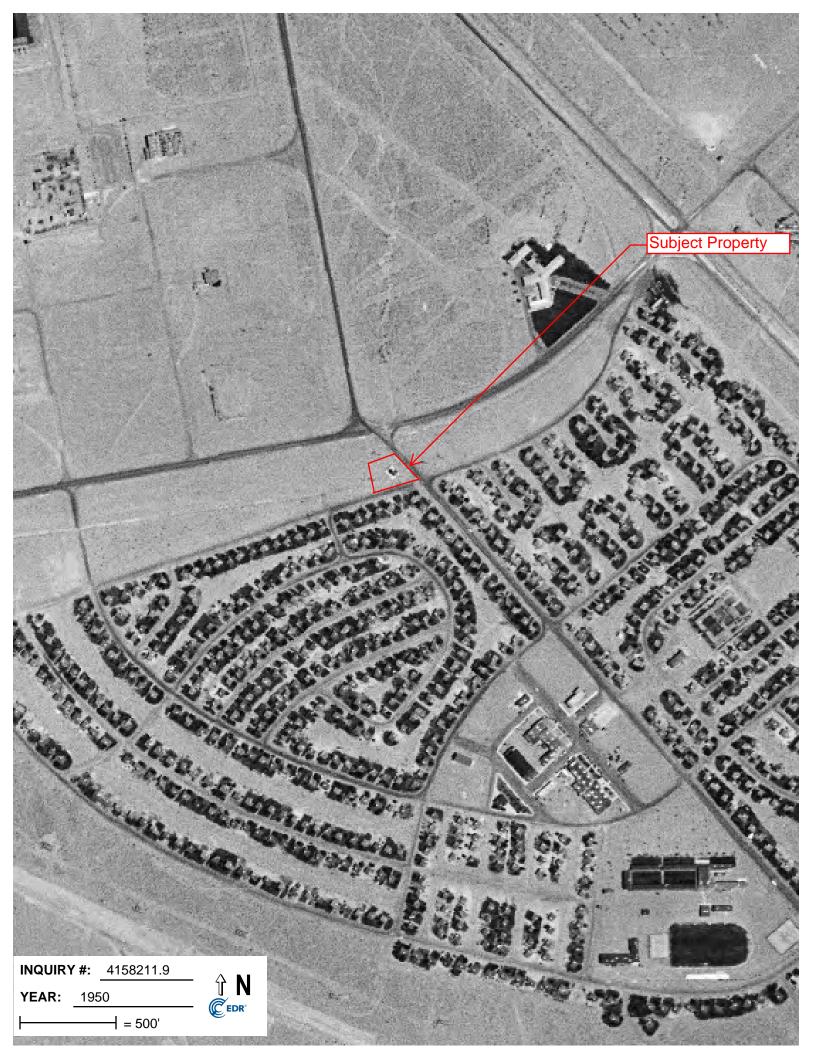
### **Date EDR Searched Historical Sources:**

Aerial Photography December 11, 2014

## **Target Property:**

W VICTORY RD & S WATER ST Henderson, NV 89015

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1950	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1950	USGS
1958	Aerial Photograph. Scale: 1"=1000'	Flight Date: July 08, 1958	EDR
1960	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1960	NHD
1971	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1971	NHD
1975	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1975	NHD
1981	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1981	USGS
1990	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: May 02, 1990	USGS/DOQQ
1999	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1999	USGS
2004	Aerial Photograph. Scale: 1"=750'	Flight Date: June 27, 2004	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP

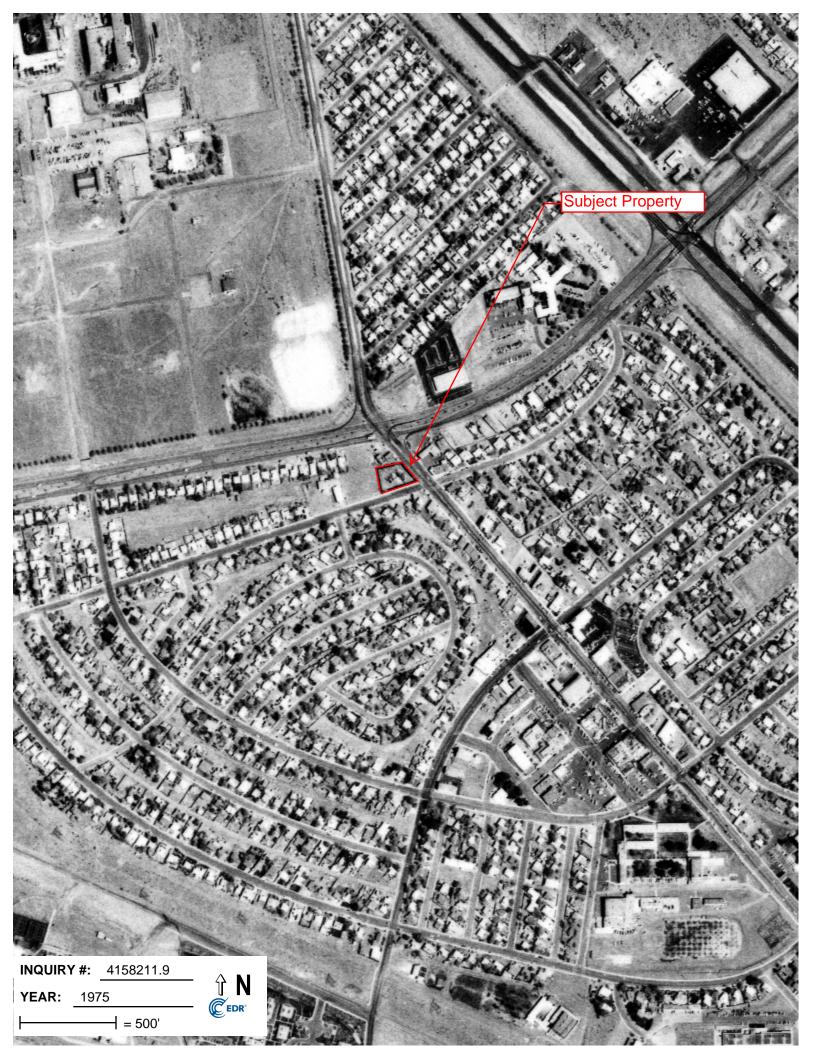


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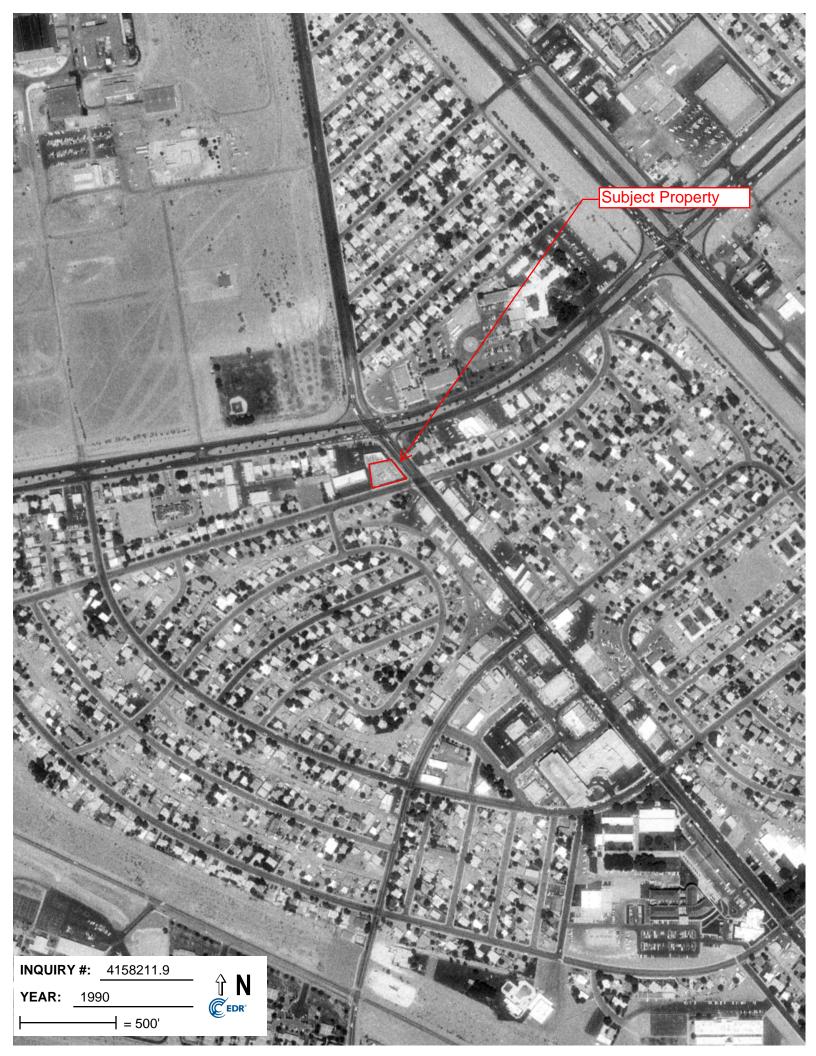


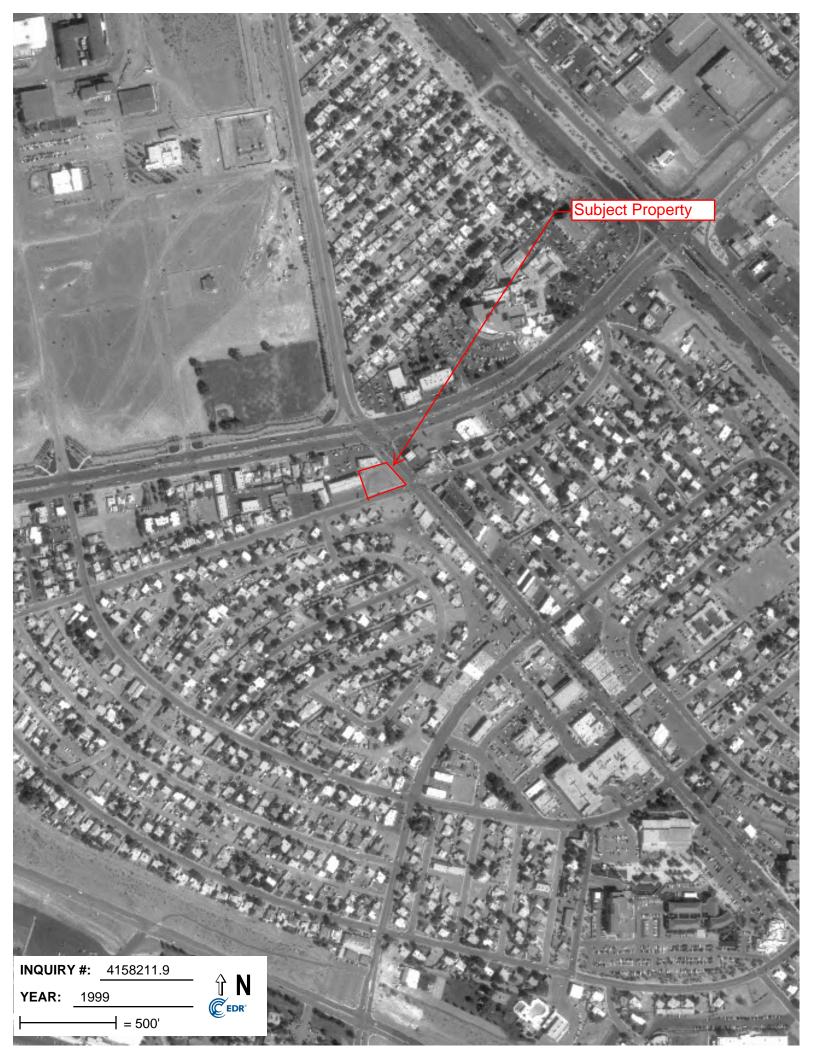
INQUIRY	′ #:	4158211.9	
<b>YEAR:</b> 196		60	ΊN
I		<b>—</b> ] = 500'	<b>EDR</b> °



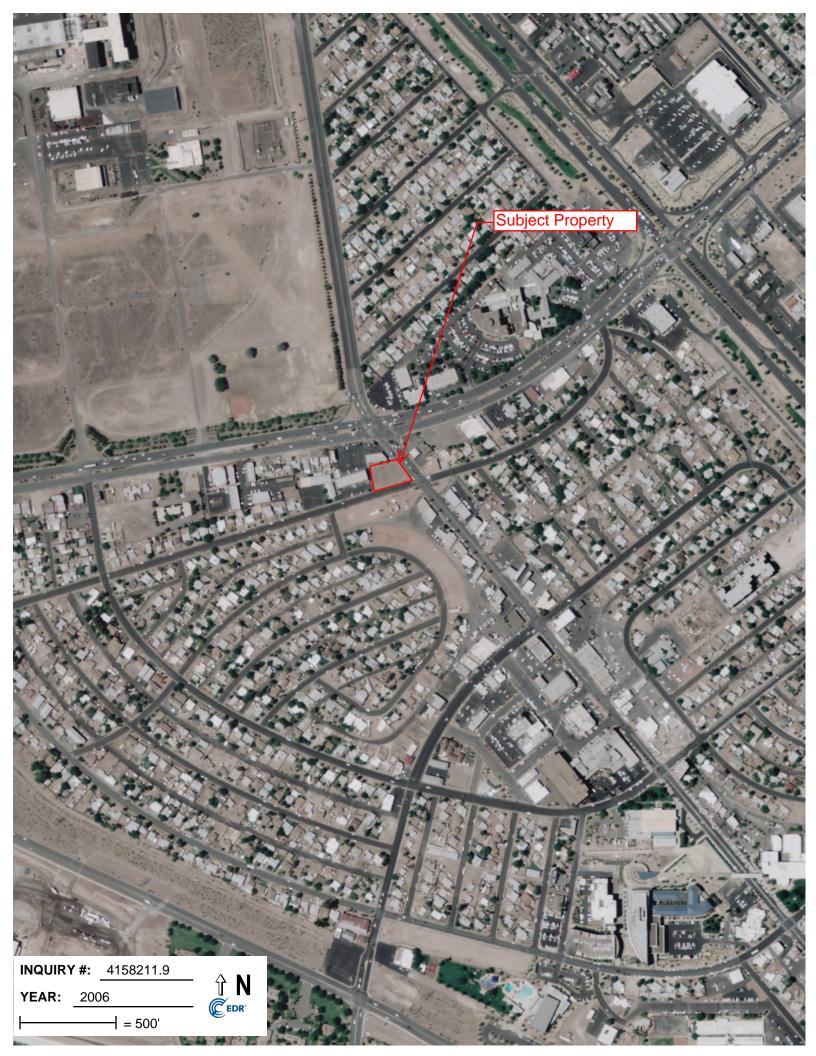














## **Undeveloped Property**

W VICTORY RD & S WATER ST Henderson, NV 89015

Inquiry Number: 4158211.4 December 11, 2014

# **EDR Historical Topographic Map Report**



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

## **EDR Historical Topographic Map Report**

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

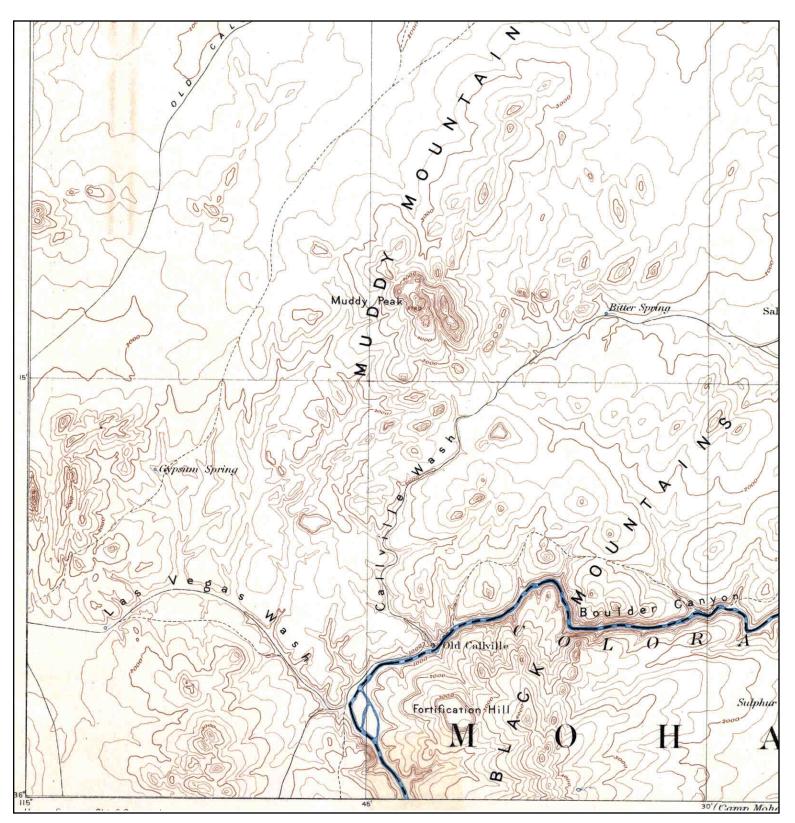
*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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

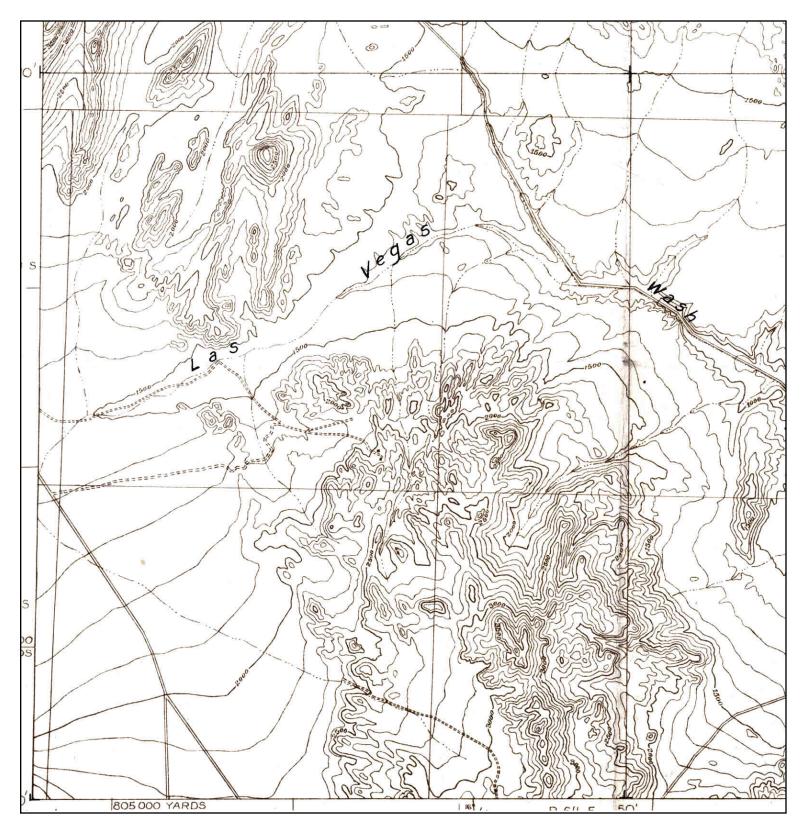
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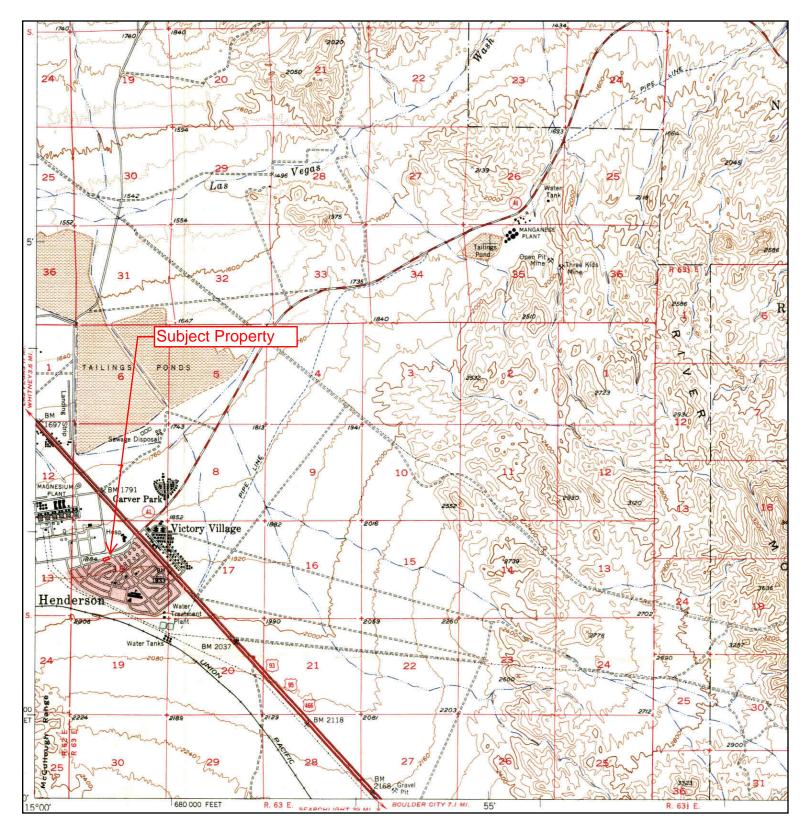
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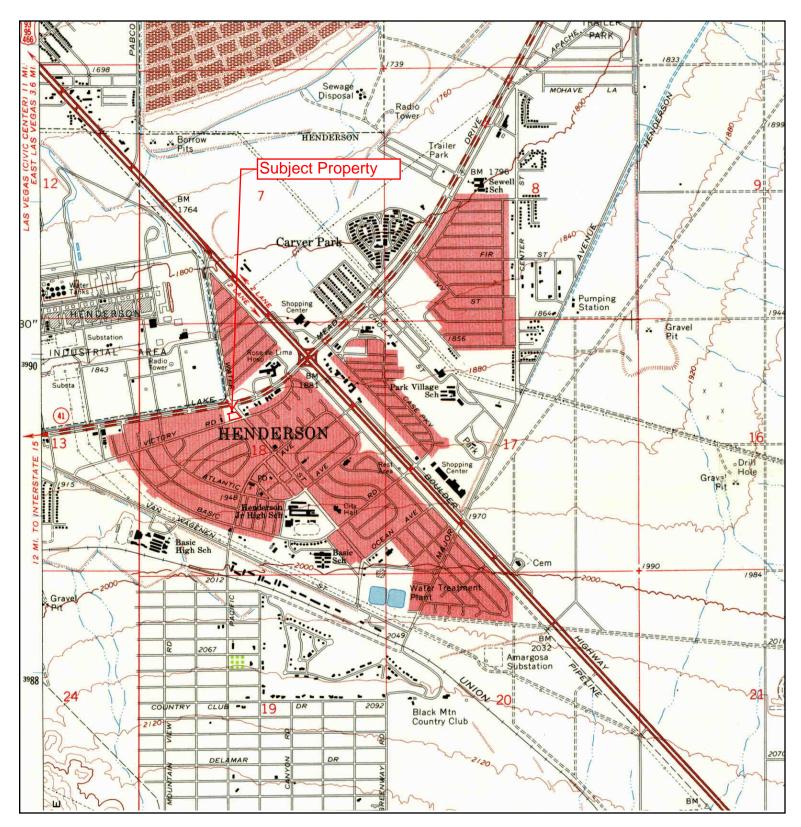
	TARGET QU NAME: MAP YEAR: SERIES: SCALE:	SAINT THOMAS	ADDRESS:	Undeveloped Property W VICTORY RD & S WATER ST Henderson, NV 89015 36.0356 / -114.9868	CLIENT: CONTACT: INQUIRY#: RESEARCH	McGinley Associates Lauren Bruno OR Brett 4158211.4 DATE: 12/11/2014
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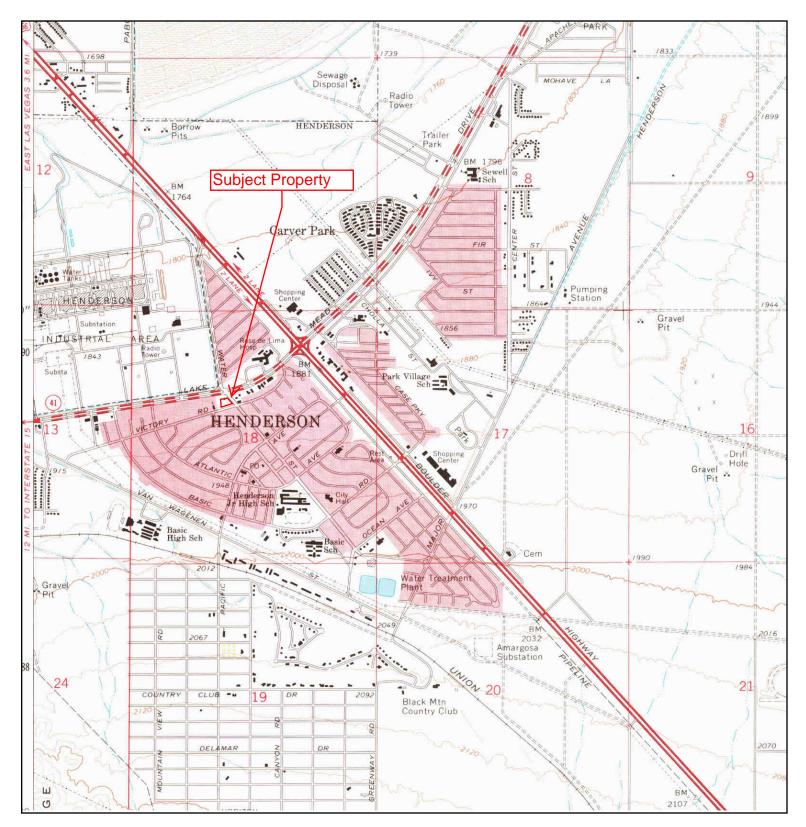
TARGET QUAD SITE NAME: Undeveloped Property CLIENT: **McGinley Associates** Ν W VICTORY RD & S WATER ST Lauren Bruno OR Brett NAME: **BOULDER CANYON** ADDRESS: CONTACT: MAP YEAR: 1926 Henderson, NV 89015 INQUIRY#: 4158211.4 LAT/LONG: 36.0356 / -114.9868 **RESEARCH DATE: 12/11/2014** SERIES: 30 1:96000 SCALE:

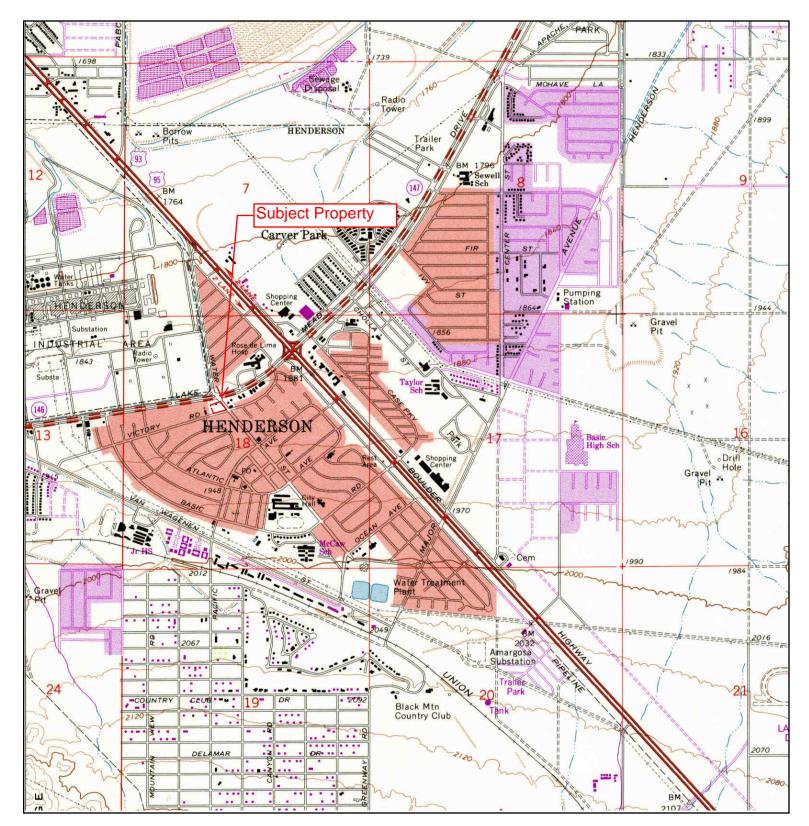


TARGET QUAD SITE NAME: Undeveloped Property CLIENT: McGinley Associates Ν NAME: HENDERSON ADDRESS: W VICTORY RD & S WATER ST CONTACT: Lauren Bruno OR Brett MAP YEAR: 1952 INQUIRY#: Henderson, NV 89015 4158211.4 LAT/LONG: 36.0356 / -114.9868 **RESEARCH DATE: 12/11/2014** SERIES: 15 SCALE: 1:62500



× ▲	TARGET QUAD NAME: HENDERSON MAP YEAR: 1970 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Undeveloped Property ADDRESS: W VICTORY RD & S WATER ST Henderson, NV 89015 LAT/LONG: 36.0356 / -114.9868	CLIENT: McGinley Associates CONTACT: Lauren Bruno OR Brett INQUIRY#: 4158211.4 RESEARCH DATE: 12/11/2014
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N 🔶	TARGET QUADNAME:HENDERSONMAP YEAR:1983PHOTOREVISED FROM :1970SERIES:7.5SCALE:1:24000	SITE NAME: Undeveloped Property ADDRESS: W VICTORY RD & S WATER ST Henderson, NV 89015 LAT/LONG: 36.0356 / -114.9868	CLIENT: McGinley Associates CONTACT: Lauren Bruno OR Brett INQUIRY#: 4158211.4 RESEARCH DATE: 12/11/2014
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## APPENDIX E

Sanborn Map Report and City Street Directories

## **Undeveloped Property**

W VICTORY RD & S WATER ST Henderson, NV 89015

Inquiry Number: 4158211.3 December 11, 2014

## **Certified Sanborn® Map Report**



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

## **Certified Sanborn® Map Report**

#### Site Name:

Undeveloped Property W VICTORY RD & S WATER Henderson, NV 89015

EDR Inquiry # 4158211.3

Client Name:

McGinley Associates 815 Maestro Drive Reno, NV 89511

B Contact: Lauren Bruno OR Brett

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:

Site Name:	Undeveloped Property
Address:	W VICTORY RD & S WATER ST
City, State, Zip:	Henderson, NV 89015
Cross Street:	
P.O. #	NA
Project:	BRN025
Certification #	781F-4F53-B45E

### 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.



12/11/14

Sanborn® Library search results Certification # 781F-4F53-B45E

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

Library of Congress
 University Publications of America
 EDR Private Collection

The Sanborn Library LLC Since 1866™

#### Limited Permission To Make Copies

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

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## **Undeveloped Property**

W VICTORY RD & S WATER ST Henderson, NV 89015

Inquiry Number: 4158211.5 December 15, 2014

# The EDR-City Directory Image Report



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

### **TABLE OF CONTENTS**

### **SECTION**

**Executive Summary** 

Findings

**City Directory Images** 

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

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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.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	$\checkmark$		Cole Information Services
2008	$\checkmark$		Cole Information Services
2003	$\checkmark$		Cole Information Services
1999	$\checkmark$		Cole Information Services
1995	$\checkmark$		Cole Information Services
1992	$\checkmark$		Cole Information Services
1967	$\checkmark$		Luskey Brothers & Co. Publications
1959	$\mathbf{\overline{\mathbf{A}}}$		Polk's City Directory

### **RECORD SOURCES**

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## **FINDINGS**

### TARGET PROPERTY STREET

W VICTORY RD & S WATER ST Henderson, NV 89015

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
<u>S WATER ST</u>		
2013	pg A1	Cole Information Services
2008	pg A3	Cole Information Services
2003	pg A6	Cole Information Services
1999	pg A9	Cole Information Services
1995	pg A12	Cole Information Services
1992	pg A14	Cole Information Services
1967	pg A16	Luskey Brothers & Co. Publications
1959	pg A18	Polk's City Directory
1959	pg A19	Polk's City Directory
	_	

### W VICTORY RD

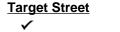
2013	pg A2	Cole Information Services
2008	pg A5	Cole Information Services
2003	pg A8	Cole Information Services
1999	pg A11	Cole Information Services
1995	pg A13	Cole Information Services
1992	pg A15	Cole Information Services
1967	pg A17	Luskey Brothers & Co. Publications
1959	pg A20	Polk's City Directory
1959	pg A21	Polk's City Directory

# **FINDINGS**

## **CROSS STREETS**

No Cross Streets Identified

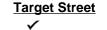
**City Directory Images** 



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Source Cole Information Services

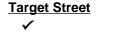
7	ABC THERAPY LLC
1	CHEF FLEMMINGS BAKESHOP
	GOLDEN LOAN
11	CINEMA COLLECTORS
11	KENPUTERGURU
14	AA 24 HOUR LOCKSMITH
	DETROIT MOTORCITY CONEY ISLAND
19	ANY
23	GOLD MINE TAVERN
20	MELISSA CONNER ALLSTATE AGENT
30	
24	TEMPTING TREASURES GOLD CASTERS JEWELRY
34	
37	KELLYS BARBER SHOP
38	NEVADA HEART & VASCULAR
10	
42	JAILBUSTERS HENDERSON
46	JJS
55	LAS VEGAS STOCK
	OGARA & ASSOC PHOTOGRAPHY
58	REBEL
60	LOCKSMITH 24 HOUR EMERGENCY SERVICE
104	001 EMERGENCY LOCKSMITH
	24 7 A LOCKSMITH
	A AMERICAN HIGH SPEED
	A AMERICAN HOME SECURITY SYSTEM
	A1 ACTION PLUMBING & ROOTER
	AIRE SERVICE HEATING & AIR CONDITION
	APPLIED INDUSTRIAL TECHNOLOGIES
	CHARTER COMMUNICATIONS
	COMPLETE LOCKSMITH SERVICES LLC
	COMPLETE SERVICES LLC
	CORPORATE OFFICES
	CUSTOMER SERVICE REPAIR
	EASTRIDGE PERSONNEL
	FIRST AMERICAN FINANCIAL
	FIRSTSOURCE SOLUTIONS
	IMAGE CREATORS SALON
	INSULFLOW
	JOHNSONLANCASTER ASSOCIATES INC
	JPMORGAN CHASE & CO
	OFFICESCAPE
	SERVICE FIRSTEXPERT SERVICES INC
	T SOFTNET INC
TECHNA GLASS INC	
	TED BROWN MEDIA GROUP
	TOUCHSTONE STANDARD CORP
	UNIVERSITY OF PHOENIX HENDERSON
107	107 WATER L LC
	BANK OF AMERICA



-

Source Cole Information Services

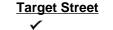
- 104 VICTORY ROAD CHURCH OF CHRIST
- 107 ALVINA CORDOVA
- 108 OCCUPANT UNKNOWN
- 111 CHRISTEL DOUGLAS
- NADYA CHARAK
- 116 CHRISTOPHER MIANNAY
- 119 STEPHEN HAWKINS
- 120 OCCUPANT UNKNOWN
- 123 OCCUPANT UNKNOWN



-

Source Cole Information Services

1	STAZS NEVADA INDIAN
6	DAVID H NEELY III
	RAINBOW TECH SERVICE
7	A B C THERAPY
	INTERNATIONAL MEDICAL SPC
	LAPUMA BAKERY & DELI
	ROYAL FINANCE CORP
	SHIRTZ LOGOZ & PROMOZ
10	ART A LA CART
	J W DEVELOPMENT LLC
	PARK LINE PROPERTIES
11	ALAN LYFORD INC
	CINEMA COLLECTORS INC
	COX COMMUNICATIONS INC
	FARMERS INSURANCE
14	ASSET REALTY
	BUILDING BLOCKS
19	DETROIT MOTOR CITY CONEY ISLAND LLC
	FRANCISCO SANDOVAL
	JIALING TONG
	THE ART EMPORI
- ·	WILLIAM GALLIOS
21	B RAMIREZ
26	CITY LIGHTS ART GALLERY
	MONOGRAMS MAGIC & MORE
30	NV FINANCIAL & MORTGAGE CONSULTANTS
0.4	
34	GOLD CASTERS JEWELRY
37 42	HENDERSON BARBER SHOP LINDLEYS POOL SERVICE LLC
42	QWIK BAIL BONDS
47	UNITED STEEL WORKERS
47 55	DIGISTOCK DESIGN LLC
55	FOOD IMAGE SOURCE LLC
	OGARA BISSELL PHOTOGRAPHY
58	REBEL OIL CO
100	A OGANS LANDSCAPING & SPRINKLER
100	ALL VALLEY CONCRETE PUMPING
	GGA INSURANCE SERVICES
104	CAR & TRUCK SHOWROOM LAS VEGAS
	DESERT MINI STORAGE
	JULIE ANNES FINE FODS BKY CAFE
	MR ROOTER PLUMBING
	PRISTENE WATER
	STEVEN KIM MD
	THE COACH STORE
107	BANK OF AMERICA
	PRATT & ASSOCIATES
109	116 BEAU RIVAGE INVESTMENTS INC
	HENDERSON JET SALES INC



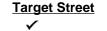
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# S WATER ST 2008

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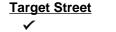
109 HENDERSON VALLEY REALTY INC OAKRIDGE INVESTMENTS CORP PHM MANAGEMENT INC PORTUGUESE PROPERTIES INTERNATIONAL ROCKYPAWS LLC



-

Source Cole Information Services

- 104 CHURCH OF CHRIST
- 111 ROBIN VERLEY
- 112 ROGER RODSETH
- 119 MARY JEWELL
- 120 DON WOOLBRIGHT
- 123 OCCUPANT UNKNOWN



-

Source Cole Information Services

1	INDIAN OF LAS VEGAS HENDERSON
•	STAZS NEVADA INDIAN
	STEVEN DESTOUT
6	ANNE M OLIVAREZ
•	DAVID H NEELY
	NEELY DAVID H III ATTY
	RAINBOW TAX SERVICES INC
7	ASSOC BILINGUAL COUNSELORS
	NEVADA SEW & VAC
11	A & W CLEANING SERVICE
	ALAN B LYFORD
	ASSET REALTY
	ASSET REALTY MANAGEMENT SRVC
	DARRELL DYER
	GUILD MORTGAGE CO
18	OCCUPANT UNKNOWN
-	TERRY L SANKEY
19	COLLECTIONS CONNECTION
	FRANCISCO SANDOVAL
	GOLD CASTERS JEWELRY
	HUFFMAN PHYSICAL THERAPY SRVC
21	ROMAN RAMIREZ
22	BIRDS R US
	OCCUPANT UNKNOWN
23	GOLD MINE
	OCCUPANT UNKNOWN
26	KENTS
	KENTS FIREARMS
	MONOGRAMS MAGIC & MORE
	PROMOTIONS & EVENTS MANAGEMENT
30	BO HASH
	BO HASH INSURANCE AGENCY
	JODEE TAILORING
	TEMPTING TREASURES BY JAN
34	BASKETS N MORE
37	HENDERSON BARBER SHOP
	OCCUPANT UNKNOWN
38	FRIENDS
	FRIENDS HAIR & NAILS
	PAMELA MILLER
39	MAXXS LOUNGE
42	JAIL BUSTERS
	MCDONALD & BRASIER
43	A HOCHMUTH
	ANTONIO MCKISSACK
	BEN SAUMIER
	ROBERT LEE
10	TOWN HOUSE MOTOR LODGE
46	OCCUPANT UNKNOWN
	PTS SLOT CASINO



## S WATER ST

(Cont'd)

2003

47	OCCUPANT UNKNOWN
	UNTD STEEL WRKR OF AMRC LOCAL
55	FOOD IMAGE SOURCE
	LAS VEGAS STOCK

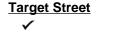
- OCCUPANT UNKNOWN OGARRA BISSELL PHOTOGRAP
- ROYALTY FREE COLLECTION
- 58 REBEL OIL CO
- 104 A DALES PORTABLE WELDING AARONS LOCK & KEY CAR & TRUCK SHWRM OF LAS VEGAS CONSUMER CREDIT OF NEVADA DYNAMIC BUSINESS CONCEPTS **GREEN VALLEY RENTALS** HEAVENLY SMILES DENTAL HERBAL LIFE DISTRIBUTING JOHN W INGA DDS JUSTICE PROJECT MOBILE HOME CONNECTION NEXT DIMENSION INC PARAGON HEALTH CARE RADIATION THRPY CTR OF HNDRSN **S & K QUALITY HOME REPAIR** SARA HARRISON SIENA DENTAL CARE SWENSON DOTTIE & RON TIM BURNETTE WALTERS LOUISIANA CATERING
- 107 OCCUPANT UNKNOWN
- 109 HENDERSON JET SALES HENDERSON VALLEY REALTY OAKRIDGE CAPITOL CO OCCUPANT UNKNOWN STERLING INVESTMENTS WEST VAN HOLDINGS INC



-

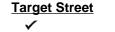
Source Cole Information Services

- 19 MICHAEL KUHN
- 100 M DITTMER
- 104 CHURCH OF CHRIST
- 107 STEVE JORDAN
- 108 DIANE HAMILTON
- 111 ALISON MCWILLIAM
- 112 ROGER RODSETH
- 115 BILL DODD
- 116 BEATRICE SANCHEZ
- 119 MARY JEWELL
- 120 KRIS HENSLEY
- 123 STEVE JORDAN



-

1	IN THE WIND INCORPORATED
	STAZS NEVADA INDIAN
3	PORT OF SUBS
6	ABLE BOOKKEEPING & TAX SERVICE
•	BOB OLSEN REALTY & INSURANCE INCORPORATED
	BOB OLSEN REALTY CORPORATION MANAGMENT
	NEELY DAVID H III ATTORNEY
7	ELITEPERSONNEL SERVICE
1	
	ENGINEERED PROCESS SOLUTIONS
	GENTRY FINANCE CORPORATION
	IN HOUSE EXTENDED CARE
	TELESIS COUNSELING ASSOCIATES INCORPORATED
	WAY MAKER ENTERPRISES
10	GILLARD CONSTRUCTION
	MEDEM DEVELOPMENT CORPORATION
11	BLACK MOUNTAIN JEWELERS
	COX CABLE OF LAS VEGAS CBL
	COX COMMUNICATIONS CBL
	FIRST AMERICAN TITLE COMPANY OF NEVADA
	OLD REPUBLIC TITLE
	PRIME CABLE OF LAS VEGAS
18	CENTURY 21 HENDERSON REALTY INCORPORATED REALTORS
	LAUBACH DUANE G REALTOR
19	702 CELLULAR & PAGING
	FLYING HAWAIIAN SPECIALTIES
	GOLD CASTERS JEWELRY
	JAMES SMITH
	SHEILA SISTAD
	SNOWBALLS GIFT SHOP
21	DENISE PERRETT
22	OCCUPANT UNKNOWN
23	GOLD MINE
26	BOLLWEEVILS COTTON PATCH
20	MALLEY KEVIN J CPA
	NELSON MALLEY & THORNE CPAS
	PROFFITT ENTERPRISE
	SHEEHAN & SHEEHAN CP AS
	THE MORTGAGE SHOPPE
	THORNE PATRICK M CPA
20	ALARM IT
30	
	ALLSTATE INSURANCE COMPANIES SALES OFFICES HASH BO INS
	LAWYERS TITLE OF NEVADA INCORPORATED
	TEMPTING TREASURES BY JAN
34	BINGHAM BOB INS AGENCY
	BOB BINGHAM INS
	FARMERS INSURANCE GROUP AGENTS
37	HENDERSON BARBER SHOP
	OCCUPANT UNKNOWN



# S WATER ST

-

(Cont'd)

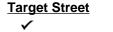
1999

MERCURY DRAFTING SERVICES	
MCDONALD & ASSOCIATES	
QWIK BAIL BONDS	
HENDERSON TOWN HOUSE MOTOR LODGE	
MAXXS LOUNGE	
TO PICK UP OR SEND MONEY TRANSFERS	
TOWN HOUSE MOTOR LODGE	
PTS RESTAURANT	
PTS SLOT CASINO HENDERSON	
UNITED STEEL WORKERS OF AMERICA LOCAL 4856	
UNITED STEEL WORKERS OF AMERICA LOCAL 7307	
OCCUPANT UNKNOWN	
REBEL OIL COMPANY	
CASINO EMPLOYEES BENEFITS ALLIANCE	
LARRY SHANKS	
R KING ENTERPRISES	
TYLER TECHNOLOGIES	
VEHICLE ACCEPTANCE CORPORATION	
DONNA LEBOW	
BANK OF AMERICA	
OCCUPANT UNKNOWN	
MENDI COLLINS	
3704 INCORPORATED	
BRIAN MILLER	
BONNIE PETERSON	
	MCDONALD & ASSOCIATES QWIK BAIL BONDS HENDERSON TOWN HOUSE MOTOR LODGE MAXXS LOUNGE TO PICK UP OR SEND MONEY TRANSFERS TOWN HOUSE MOTOR LODGE PTS RESTAURANT PTS SLOT CASINO HENDERSON UNITED STEEL WORKERS OF AMERICA LOCAL 4856 UNITED STEEL WORKERS OF AMERICA LOCAL 7307 OCCUPANT UNKNOWN REBEL OIL COMPANY CASINO EMPLOYEES BENEFITS ALLIANCE LARRY SHANKS R KING ENTERPRISES TYLER TECHNOLOGIES VEHICLE ACCEPTANCE CORPORATION DONNA LEBOW BANK OF AMERICA OCCUPANT UNKNOWN MENDI COLLINS 3704 INCORPORATED BLOUNT REMAX REALTORS



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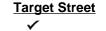
- 3 OCCUPANT UNKNOWN
- 11 OCCUPANT UNKNOWN
- 15 OCCUPANT UNKNOWN
- 19 MICHAEL KUHN
- 23 DANNY RICH
- 38 OCCUPANT UNKNOWN
- 61 OCCUPANT UNKNOWN
- 103 OCCUPANT UNKNOWN
- 104 VICTORY ROAD CHURCH OF CHRIST
- 107 OCCUPANT UNKNOWN
- 108 OCCUPANT UNKNOWN
- 111 DANNY KALASTRO
- 112 GEORGIA STEVENS
- 115 OCCUPANT UNKNOWN
- 116 FRED SANCHEZ
- 119 STEPHEN HAWKINS
- 120 KRIS HENSLEY
- 123 FRED GOMEZ



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Source Cole Information Services

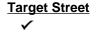
2	BONNIES FLORAL BOUTIQUE
3	PORT OF SUBS
6	ABLE BOOKKEEPING & TAX SVC
	BOB OLSEN REALTY & INS INC
	DAVID H NEELY III
	NEELY, DAVID H III
7	REALTY EXECUTIVES OF NEVADA
10	CDL COMPUTER SVC
	GILLARD CONSTRUCTION
	MEDEM DEVELOPMENT CORP
	MICHAEL T MARTIN GENERAL CONTR
	NEVADA FINANCIAL SVC
11	BLACK MOUNTAIN JEWELERS
	CHICAGO TITLE AGENCY LAS VEGAS
	PRIME CABLE OF LAS VEGAS
	UNITED TITLE OF NEVADA
18	HENDERSON REALTY INC
	HENDERSON REALTY PROPERTY MGMT
	LAUBACH, DUANE G
19	GOLD CASTERS JEWELRY
10	GREEN MOUNTAIN GIFT SHOP
	HENDERSON HOME HEALTH CARE
	SASSY SCISSORS SALON
22	IN HOUSE HOME HEALTH INC
23	GOLD MINE
26	OTHENAS FASHIONS
20	SHEEHAN & SHEEHAN LTD
	WILLIAM J SHEEHAN CPA
30	ALARM IT
50	ALLSTATE INSURANCE
	HASH, BO
	MANPOWER TEMPORARY SVC
	TEMPTING TREASURES BY JAN
31	MEAD, JOHN
34	BOB BINGHAM INSURANCE
34	BOB, BINGHAM INSURANCE
37	HENDERSON BARBER SHOP
37 42	FLYING HAWAIIAN SPECIALTIES
42 43	
43	TOWN HOUSE MOTOR LODGE
47	
47	UNITED STEELWORKERS OF AMERICA
55	OGARA & ASSOC PHOTOGRAPHY
58	REBEL GASOLINE
71	SANDYS LOUNGE
104	
1 a -	SPRINT CENTRAL TELEPHONE NV
107	BANK OF AMERICA
109	BERARDS REALTY & ASSOC



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Source Cole Information Services

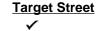
- 3 VALDEZ, GILBERT
- 19 KUHN, MICHAEL C
- 104 CHURCH OF CHRIST
- 107 BRADLEY, LARRY D
- 108 SUKOWATY, E A
- 116 SANCHEZ, FRED
- 123 GOMEZ, FRED



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Source Cole Information Services

1	NO 1 HOBBY & TOY CT
I	
	NO 1 HOBBY&TOY CTR
2	BONNIE'S FLORAL
3	PORT OF SUBS
6	ABLE BOOKKEEPING
	BOB OLSEN RLTY & INS
	HERMOSA MOBILE HOME
	OLSEN BOB REALTY
7	CO PROBATION CENTER
'	
	CO PROBATION CTRS
	DEALERS SCHL S NV
10	APOLLO VIDEO
	NEVADA FINANCIAL SV
	PRINT SHOP THE
	THE PRINT SHOP INC
11	CHICAGO TITLE AGNCY
	PRIME CABLE OF VEGS
18	CENTURY 21 REALTY
10	LAUBACH DUANE G RLT
10	
19	DOCS DONUTS
	GOLD CASTERS JEWLRY
	GREEN MTN GIFT SHOP
	SASSY SCISSOR SALON
	SASSY SCISSORS
23	GOLD MINE
	GRUB STAKE SANDWICH
26	OTHENA'S FASHIONS
-	SHEEHAN & SHEEHAN
30	ALARM IT
00	ALLSTATE INSURANCE
	MANPOWER TEMP SVC
	MILLS LAMOND R
	TEMPTING TREASURES
34	BINGHAM B INS AGCY
	BOB BINGHAM INS
	FARMERS INS GROUP
37	HENDERSON BARBER
38	PLAN AHEAD INDUST
42	FLYING HAWAIIAN
43	HENDERSON TWN HOUSE
40	TOWN HOUSE MTR LDGE
40	
46	SILVER SPUR SALOON
47	UNITED STL WRKR LCL
58	REBEL GASOLINE
71	PEGASUS LOUNGE
	SANDYS LOUNGE
109	BERARDS REALTY



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Source Cole Information Services

- 11 GOUGHERTY, BRIAN
- 14 GIBSON, HOMER W
- 32 LITTLE LLOYDSLAWNSV
- 103 GONZALES, A
- 104 CHURCH OF CHRIST
- 107 BRADLEY, LARRY D
- 108 SUKOWATY, ERHARD A
- 116 SANCHEZ, FRED
- 123 GOMEZ, FRED



#### Source

WATER AV (NLV) (89030)

WAYNE ST (LV) (89109)

WAYNE WY (NLV) (89030)

h 2 Major USAF

Luskey Brothers & Co.

#### S WATER ST 1967

## W WASHINGTON ST CONTINUED

- B TaylorManuelM(Mary)2EWashingtonAptBHdn ..... 564-1774 h 3 technician Titanium Metals
- 4 Apartments (By Apartment Number)
- D Thomas Mildred Mrs 4 E Washington Apt D Hdn ... 565–9423 h 3 inspectress Caesar's Palace (LV)
- 8 Apartments (By Apartment Number)
- 14 Apartments
- (By Apartment Number) B Martinez Tony 14 W Washington Apt B Hdn...... 564-1626
- D Valdez Henry (Simo) 14 E Washington Apt D Hdn.. 565-9360
- h retired 16½ Apartments
- (By Apartment Number)
- B Robertson Lawrence E 161/2 E Washington AptBHdn 564-1239

#### \*\*\*\*\*\*\*\*\*\*\*

# WASHINGTON WY, S (HDN) - FROM 38 W VICTORY RD, SOUTH (89015)

- Martinez Gilbert A 2 Washington Wy Hdn ..... 565-8095
- 3 \*Pilon Jos A (Bette) 3 Washington Wy Hdn ......564-1472
- h 3 utility operator Titanium Metals 6 \*Pate Mason A (Frances) 6 Washington Wy Hdn .... 565-9437
- h retired 10 \*Bragg Billy K (Elon) 10 Washington Wy Hdp......564-1348
- h 3 furnace operator Titanium Metals 14 Cole JW 14 Washington Wy Hdn..... 564-9614
- 18 \*Nash Wm K (Colleen) 18 Washington Wy Hdn......565-5591
- h 3 surveyor City (LV)

#### \*\*\*\*\*\*\*\*\*\*\* WASHOE AV (LV) - FROM 600

#### DONNER ST, WEST (89107)

- h 1 field engineer Reynolds Electric (Mercury)
- 5121 \*Lockwood Harold E (Ginnie) 5121 Washee Av LV...878-8476 h 1 photographic engineer EG & G (Mercury)
- 5125 Las Vegas New Car Dirs Assn 5125 Washoe Av LV... 878-7662
- Bill Clark pres Walter J Epprecht vice pres 5125 \*Vellutini Romeo L (Alice) 5125 Washoe Av LV
- h 2 sales mgr Baldwin Heights Homes 5129 \*Bradford Ronald (Elizabeth) 5129 Washoe Av LV...870–5905
- h employee Aerojet General (NRDS)

## Mayfield St Intersects

#### McDermit St Intersects

- 5205 \*Frostick Geo D (Charlotte) 5205 Washoe Av LV... 870-3164 h 4 carpenter Reynolds Electric (Mercury)
- 5201 \*Shetrone Richd A (Judy) 5201 Washoe Av LV......878-5598
- h 2 serviceman Southwest Gas Corn 5209 \*King Jos E (Mae) 5209 Washoe Av LV ...... 878-8946
- h 4 men's dept mgr Ronzone's Dept Store 5213 \*Wilhite Harold T (Priscilla) 5213 Washoe Av LV ... 878-0866
- h 1 boxman The Mint Hotel 5301 \*Remsburg Wm (Linda) 5301 Washoe Av LV...... 878-3792
- h 2 security guard Wackenhut ServicesInc(Mercury)
- 5305 \*Wadman Harold G (Peggy) 5305 Washoe Av LV .... 878-3672 h 2 food serv supvr Reynolds Electric (Mercury)
- 5309 No Return (Min 5 Attempts Made)
- Sanchi Z Louis R (Adele) 5313 Washoe Av LV..... 870–1307 h 2 electronic technician EG & G (Mercury)
   Sanz \* Harrison Robt E (Betty) 5317 Washoe Av LV .... 878–1312 h 3 bartender Sahara Hotel

#### **Garrison St Intersects**

#### \*\*\*\*\*\*\*\*\*\*\*\*

#### WATER ST (HDN) - FROM BOULDER HWY,

- SOUTH (89015) Bank of Las Vegas-Hdn Branch Water Hdn ...... 565–8971 Robt Oselam manager Dick Stewart Motors Inc Water & Titanium Hdg .... 565-8726
- (Richd A Stewart)
- (Austin Sellers) service station

- 2 Hoffenberg Gabe ofc 2 Water Hdn......565-6711 attorney 6 Olsen Bob Realty & Insurance 6 Water Hdn ..... 564-1831 (Robt & Mrs Jeanne Olsen) 7 Dixie Bar-B-Q 7 Water Hdn ..... 565-3683 (Vincent J Pawlaski)
- physician 14 Chowen Gordon B 14 Water Hdp......564-1356
- h retired
- 19
   Crosby Music Centre 19 Water Hdn
   565-2966

   (Herbert & Mrs Kathryn Crosby)
   19
   Sand Bar 19 Water Hdn.
   565-2201
- (Fred W Stone) cocktail lounge 23 Gold Mine 23 Water Hdn ..... 565-9974
- Frank Way pres Roy Campbell v-pres 27 Product Design & Development Co 27 Water Hdn ... 565-3800
- 27 Superior Radio & RV Service 27 Water Hdn ..... 564-7431
- (Ken E Hougen) Farmer's Insurance Agency 30 Water Hdn ...... 565-3456 30
- (Keith Lopem
- 42 Morrell Realty & Insurance 42 Water Hdn ...... 565-2222
- (Jess D Morris)
- (Robt Woodruff) 47 United Steel Workers of America CIO 47 Water Hdn. . . 565-3831
- Claude Evans pres
- 58
- 67 (Fred N Haney)
- Town House Cocktail Lounge 71 Water Hdn ...... 565-3433 71 (John W Hunt)
- 73
- Cooper Blanda Mrs 73 Water Hdp..... ..... 565-8777
- h 1 manager Henderson Town House Motel 111 Bank Barber Shop 111 Water Hdn ...... 565-8444
- (Russ Lyday) Sears Roebuck & Co Catalog Store 115 Water Hdn., 565-8961 115
- Mrs Lola Irons manager 117 VanValey's Men's Wear 117 Water Hdn (Jas & Mrs Marian VanValey) men's wear & furn ... 565-4801
- 119 , 565-8999
- 121 Security National Mortgage Co 121 Water Hdn ..... 565-3333

- (Jas & Mrs Marian VanValey) shoes 125 Mr R-van's Hair-um Beauty Salon 125 Water Hdp... 565-4501 (Arvan Leany)
- 129 La Porta Ins Agency Inc 129 Water Hdn...... 565-1911 (Lon F La Porta)
- 140
- Norman E Scrivner mana
- optometrist
- 152 Henderson Chamber of Commerce 152 Water Hdn... 565-3222 Glen Taylor pres Harold Corbin v-pres
- 154 KTOO Broadcasting Co 154 Water Hdn ..... 565-1280 Duke Hoover station manager
- 154 KTOO Broadcasting Co 154 Water Hdn ...... 565-3494
- (Fred P Horton) service station
- 203 \*Lattin Eug S (Mae) 203 Water Hdn ...... 565-9387

_	
	31 Eeckhout Victor 231 Water Hdn
;	43 Clark Cou Hdn Br 243 Water Hdn
-	Margaret Schnader deputy cou assessor 03 Tom Thumb Nursery 303 Water Hdn
	(Elizabeth Wolff)
-	10 *Vaughan Larry E (Esther) 310 E Water Hdn
	15 Danneberger Plumbing & Htg 315 Water Hdn565-3443 (Marion D Danneberger)
	18 *Mead John W (Margaret) 318 Water Hdg
1.1	19 Basic Glass Co 319 Water Hdn
	19 *Crunk Ray B (Carole) 319 Water Hdn 565–2022 h 3 (Basic Glass Co)
1.1	22 *Ebert Fred J (Delia) 322 Water Hdg
	h retired 23 Evans Albt 323 Water Hdn
	h 27 *Knowiton Ralph R (Frances) 327 Water Hdg
	h 1 heavy equipment operator 30 *McMillin GW (Alvera) 330 Water Hdp
	h retired 31 LaRae's Coiffures 331 Water Hdn
	(Mrs LaRae H Parry)
	31 *Davis Walter J (Martha) 331 Water Hdn
3	38 Dickey Richd (Vivian) 338 Water Hdn
3	39 *Zimmerman Luther R (Mary) 339 Water Hdn 564–1485 h retired
3	42 Classen Selma 342 Water Hdn
3	42 Dahl Geo E Jr (Diane) 342 Water Hdn
3	Ar mer cen einer richten metals     Deardorff Jolene M 342 Water Hdn
	12 Ravlin Ilene F 342 Water Hdn
4	h teacher Clark County School Dist (LV) 30 *Ivary John (Marjorie) 400 Water Hdn
	h supervisor Stauffer Chemical 40 Lee's Phillips 66 440 Water Hdn
	(Lee Urioste) service station
	h
4	1 *Taney John Q (Velma) 461 Water Hdn
4	6 *Sillitoe Wayne (Lyla) 466 Water Hdn
4	2 Espinoza Arthur P 472 Water Hdn
4	'3 *Gilbert Ford L (Frances) 473 Water Hdg 565-4491 h retired
4	8 Fannin Lynette 478 Water Hdn
4	9 *Alexander Boyd L (Dorothy) 479 Water Hdn 564–9501 h 4 reclaim operator Titanium Metals
4	4 *Harris Paul D (Ona) 484 Water Hdn
4	5 Woods Harold W 485 Water Hdn 564-9502
4	h 1 *Boyter Raylin J (Eileen) 491 Water Hdg

\*\*\*\*\*\*\*\*\*\*\*

3314 \* Eddins Neil L (June) 3314 Wayne LV ..... 737-4820

\*\*\*\*\*\*\*\*\*\*\*

2205 \*Turner Leonard (Lena.) 2205 Wayne Wy NLV...... 649-1459

2212 \* Jones Walter (Dorothy) 2212 Wayne Wy NLV...... 642-5483

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4158211.5 Page: A16

h 1 custodian Reynolds Electric (LV)

h 5 laborer Sierra Construction (LV)

(See Page I For Explanation of h\* 2 etc)



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## Source

Luskey Brothers & Co.

4304	*Coty Nick 4304 Via Vaquero Av LV	144	*Bredlau
4305	h painter Hacienda Hotel *Swope Wm R (Mary) 4305 Via Vaquero Av LV878-6773	147	h 1 fin *Robinso
4308	h Vacant	148	h opera Davis T
4309	(Location Not Occupied) *Becker Bill (Margaret) 4309 Via Vaquero Av LV 878–3405	152	h Hartzell
	h 3 (Children's Bootery) *Carlson Boyd M (Edwina) 4312 Via Vaguero Av LV 878-4934	156	h Pritchar
	h 3 (Boyds Twin Lakes Texaco)		h 4 Sta
	*Worley Donald J (Midge) 4313 Via Vaquero Av LV, 878-3306 h 4 pilot Bonanza Air Lines	202	Neilson
	*Moore Thos L (Elaine) 4316 Via Vaquero Av LV 870-3390 h public accountant	203	Duffy Ge h 1 dea
4317	*Salemo GeoH(Genevieve)4317ViaVa quero AvLV 870-1601 h 6 manager Reeve's Shoe Store	206	*Watson   h 1 sh
4320	*White Earle W (Lorraine) 4320 Via Vaquero Av LV. 878-8901 h 1 attorney Southwest Gas Corp	210	Peifer F
4321	Carter Delmar L (Anita) 4321 Via Vaquero Av LV. 878-5369	214	Deal Ly
4325	h 2 engineer (NRDS) *May Irving S (Catherine) 4325 Via Vaquero Av LV. 870-1463	405	*Rodrigue
	h 4 Juana Vista St Intersects	409	h asst *Owen Et
			h l ret
VICT	**************************************	VICT	ORY VI
EA	ST (89015) Gibson Homer W 14 E Victory Rd Hdn	MEA	D DR, BALL
	h	KIM	
18	*St Germaine Dan(Marjorie) 18 E Victory Rd Hdn565-4033 h mechanic		A&BR
26	Trujillo Ramon N (Sarah) 26 E Victory Rd Hdn 565-8119 h 1 carpenter Reynolds Electric (LV)		Henderse (Morry
30	*Morrow Kenneth A (Edith) 30 E Victory Rd Hdg565-7383 h 6 research chemist Titanium Metals Corp		Nevada . Morry 2
42	*Murphy Kay B Mrs 42 E Victory Rd Hdn 565-6044		Phillips
46	h 1 employee Central Telephone Co (LV) Burk Ralph 46 E Victory Rd Hdn		(PT Hu Park Vill
50	h VerStrate John 50 E Victory Rd Hdn		Robt L ClarkCou
54	h *Quadlin Jas E (Judith) 54 E Victory Rd Hdu 565-8264	1	Jimmie Apartmer
66	h 3 utility worker Titanium Metals McLeod Inez 66 E Victory Rd Hdg	A	(By Dixon Yo
	h	D	h retire Wiggins
/4	*Mainor Wm B (Vera) 74 E Victory Rd Hdn		h
	********	2	Apartmer (By
	ORY RD, W (HDN) - APPROX 100 S WATER ST, ST (89015)	A	Garn Wm h retire
10	Harris Jas 10 W Victory Rd Hdn	A	Molineau
19	*Roth Edna M Mrs 19 W Victory Rd Hdn564-1368	D	Shafer R
23	h teacher Clark County School District Vassar Melvin A 23 W Victory Rd Hdn	6	Apartmer (By
103	h Gonzales Elias 103 W Victory Rd Hdn	В	Redding
107	h *Zink Paul E (Leota) 107 W Victory Rd Hdn	7	h house Apartmen
111	h retired Dickens Lester 111 W Victory Rd Hdn	С	(By Gibson H
112	h Workman Edison L 112 W Victory Rd Hdn 564-3361	D	h Shaffer F
	h	8	h Apartmer
115	Everitt Elizabeth S Mrs 115 W Victory Rd Hdn564-1461 h	A	(By Keeth Ar
116	Sanchez Fred (Beatrice) 116 W Victory Rd Hdn 564-3364 h 3 carpenter Reynolds Electric Co (Mercury)		h
119	*Morris WI (Frances) 119 W Victory Rd Hdn 564–1370 h 1 construction worker Reynolds Electric (Mercury)	11	Apartmen (By
120	<ul> <li>Neill Don W (Carol) 120 W Victory Rd Hdg 565–9549 h 2 assistant cashier Bank of Nevada (B Cty)</li> </ul>	A	Daily El
123	*Gomez Fred (Bea) 123 W Victory Rd Hdp 564–1367 h shipping clerk American Potash	12	Apartmen (By
124	*Edison Buford E (Pansy) 124 W Victory Rd Hdn 565-7084	A	Cordill (
127	h 1 Haberman Allan 127 W Victory Rd Hdn	С	Donatto
128	h Case Donna Jo 128 Victory Rd Hdn	D	Hamiter
131	h Taylor Gyford J (Wanda) 131 W Victory Rd Hdn 565-8593	13	h stude Apartmen
	h 5 dealer Fremont Hotel (LV) *Green Ancel C (Ann) 135 W Victory Rd Hdn564-1304	A	(By Jacobsor
136	h traffic supervisor Stauffer Chemical Co Prime Ben R 136 W Victory Rd Hdn	14	h Apartme
	h	В	(By Peeples
	*Lewis Chas G (Betty) 139 W Victory Rd Hdn 565–6181 h truck driver Post Transportation Co		h 7 car
143	Salamy Fred 143 W Victory Rd Hdn	С	Samora L h 6 furr

	*Bredlau Kurt L (Shirley) 144 W Victory Rd Hdn565-5062 h 1 fireman City
1	*Robinson Whit I (Melba) 147 W Victory Rd Hdn565-8878
3	h operating eng Reynolds Electric Co (Mercury) Davis Thos L 148 W Victory Rd Hdn
2	h Hartzell LJ 152 W Victory Rd Hdn
5	h Pritchard Gerald D (Betty) 156 W Victory Rd Hdn. 565-9257
2	h 4 Staff Sergeant USAF Neilson Garland L 202 W Victory Rd Hdn
5	h Duffy Geo (Ruth) 203 W Victory Rd Hdn
-	h 1 dealer Las Vegas Club (LV) *Watson Floyd J (Madalyn) 206 W Victory Rd Hdp565-8841
)	h 1 shift boss Horseshoe Club (LV) Peifer Frank N 210 W Victory Rd Hdn
	h Deal Lyle 214 W Victory Rd Hdn
	h *Rodriguez Joe L (Herminia) 405 W Victory Rd Hdn. 564–1266
1	h asst postmaster Post Office "Owen Etta M Mrs 409 W Victory Rd Hdn
	h 1 retired
T	ORY VILLAGE (HDN) - FROM 100 E LAKE
A	D DR, I BLK E OF BOULDER HWY (SEE ALSO BALL MANOR & ALLEN PROJECT) (89015)
	A & B Rental System Inc VV Shopping@ntriHttm
	Henderson Home News Wittbry Village Hdn 564-1880
	(Morry & Mrs Dolotes Zenoff) newspater Nevada Jewish Chronicle VV Shopping Cntr Hdn564–1881
	Morry Zenotf publisher newspaper Phillips Radio & Television VVShoppingCntrHdn 564–7923
	(PT Hubel) Park Village School McNeil Dr Victory Vige Hdn 565-9215
	Robt L Taylor principal ClarkCouHsngAuthority-ExecOfcVictoryVillageHdn 565–4351
	Jimmie L Hullum exec dir Apartments
	(By Apartment Number) Dixon Youlace E (Frances)IVictoryVIgeAptAHdn565-8122
	h retired Wiggins Ernest 1 Victory Village Apt D Hdn 565–9443
	h Apartments
	(By Apartment Number) Garn Wm S (Cordelia) 2 Victory Vilge Apt AHdn 565–9623
	h retired Molineaux Janie 2 Victory Village Apt A Hdn565-9286
	h Shafer Russell 2 Victory Village Apt D Hdn 564–1326
	h Apartments
	(By Apartment Number) Redding Robbie Mrs 6 Victory Village Apt B Hdp., 565-8130
	Apartments
	(By Apartment Number) Gibson Howard 7 Victory Village Apt C Hdn564–1369
	h Shaffer Raymond W 7 Victory Village Apt D Hdn 565–8427
	h Apartments
	(By Apartment Number) Keeth Annie M Mrs 8 Victory Village Apt A Hdn 565–8221
	h
	Apartments (By Apartment Number) Daily Ellen 11 Victory Village Act A Hdg
	Daily Ellen 11 Victory Village Apt A Hdn
	Apartments (By Apartment Number) Cardill Come W 12 Winters Willies Act A Uda 554, 1200
	Cordill Gary W 12 Victory Village Apt A Hdn
	Donatto Jos 37 Victory Village Apt C Hdn
	Hamiter Lyle C (Sydney) 12 Victory VillageAptDHdn564-1608 h student
	Apartments (By Apartment Number)
	Jacobson Charlotte 13 Victory Village Apt A Hdn 565-8241 h
	Apartments (By Apartment Number)
	Peeples Lewis J (Marie) 14 Victory Vilge Apt B Hdn 565–9328 h 7 carpenter Hoover & McGhan (LV)
	Samora LD (Marcie) 14 Victory Village Apt C Hdn565-9468 h 6 furnace operator Titanium Metals Corp

Target	Street
$\checkmark$	

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	Black Lew E © AFR 4-8774 Maines Gene Mrs © AFR 4-7381
	13
	FR — From Frontier blvd ith to Major
301	Baird Gene Shell Serv A
	FR 2-4971
1	Basic Auto Parts AFR 2-5911
2	Henderson Pet Clinic AFR 2-2431
	Hoentsch Gerhard W vet A
3	FR 2-2431 Arctic Circle restr 4FR
a	2-2404 Radio-TV Doctor repr AFR
0	2-3671
7	Babtkis Morton M chiro A FR 2-7111
10	Olsen Bob Realty & Ins ↓ FR 2-2333
11	Star Irving mfr agt AFR
	4-5333 Bill's Jewelry & Loan
	pawnborker AFR 4-5333
14	Chowen Gordon B
15	Terrill Arth C mining eng
18	AFR 4-7933 Boulder Lndry & Cln (br)
	AFR 2-4031 Henderson Real Est Co Δ
	FR 2-3300
	Coe John Henderson Real Est Co AFR 2-3300
19	Crosby Music Centre AFR 2-2936
22	Olsen Arth lwyr AFR 4-3201
23	Henderson Escrow Serv A
	FR 2-2122 Services Unlimited letter
	shops AFR 2-3851
	Services Unlimited Employ- ment Agcy &FR 2-3851
26	Mortensen Robt B chiro 4
27	FR 2-4271 Valley Electric Co contr A
	FR 2-8184
	Don's Hobby Shop Lopeman Ins Agcy AFR
319	2-3456
	Lopeman Keith J AFR 2-3456

Target	Street
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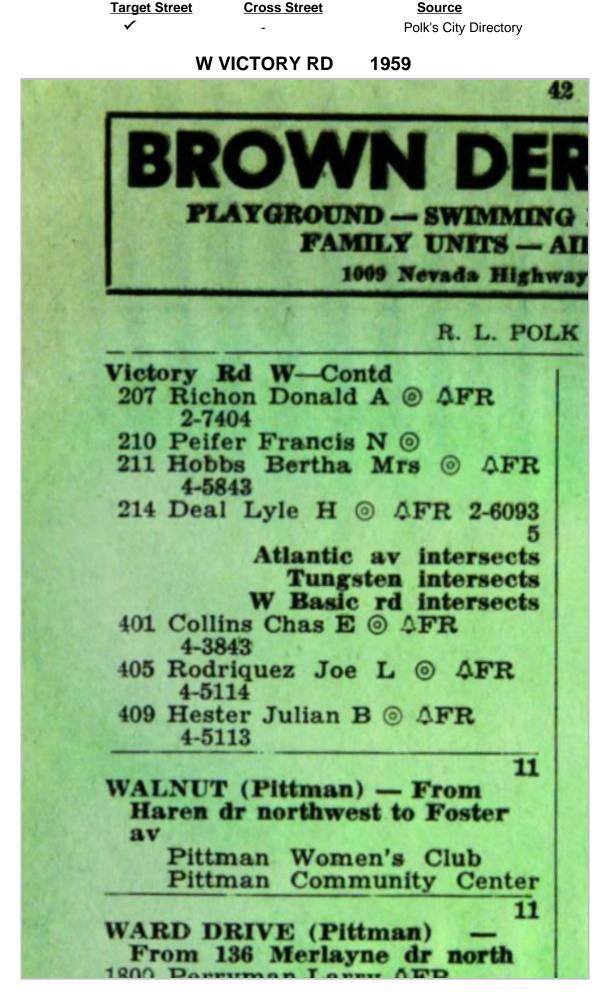
5 WATER 51 1959	
Credit Bureau of S	1
CREDIT REPORTS - CRE	
TEL. DUd	
112 N. 4th P. O. BOX	
R. L. POI	K
Water-Contd	
31 Wilkerson Leonard P AFR	
2-4421 34 Vacant	
35 Hamblin Robt B	
37 Ray's Barber Shop 38 Marshall Paul T dentist Δ	
FR 2-5041	
38 Marshall Paul T dentist ↓ FR 2-5041	
39 Savoie Beauty Salon $\Delta FR$ 2-4501	
42 Gordon-Morrell Ins Agcy AFR 2-2345	
Morrell Realty & Ins AFR	
2-2222 Morris J D Jeweler AFR	
2-2211 Farmers Ins Group AFR	
2-2345 43 C&S Second Hand Store	
genl mdse	
45 Neville Thos E 46 Bowden Wm G ⊚	
47 United Steel Workers of America (AFL-CIO) Local	
4856 AFR 2-3831	
50 Satterlee Richd E AFR 4-7032	
51 LasVegas Review Journal (circulation ofc) AFR	
2-1631	
Las Vegas Review Journal (editorial ofc) \$FR 2-1631 LasVegas Review Journal	
LasVegas Review Journal (adv ofc) AFR 2-1631	
54 Vacant 55 Henderson District Public	
Library AFR 2-4301	
56 Vacant 58 Bell's Hancock Serv AFR	
2-2691	
104 Telephone & Telegraph Bldg	
Henderson Chamber of	
Commerce AFR 2-3222 Henderson Telephone Co	
Inc AFR 2-1191 Western Union Teleg Co A	
FR 2-1201 Trumbo Hershel L ofc Δ	
FR 2-1211	
104 Retail Merchants 107 Malcolm David G acct 4	
FR 2-3211 111 Water Street Barber Shop	
Russell Laday 119 Gunville's furn AFR 2-5951	
W Army intersects 121 Vacant	
PERRY'S M	
THE STORE FOR THE	W
3 W. Pacific Av. (Henderson)	-

Target Street Cross Street ✓

-

<u>Source</u> Polk's City Directory

	٧١	VICTORY RD 1959	
TOI	RY OF	HOUSEHOLDERS	
1		Dom's Shoe Repair AFR	
	70	4-3124 Bergemeyer K Diane Mrs	
		⊙ AFR 4-3114	
	74	California way intersects Mainor Wm B &FR 2-2722	
	1.11	13	
	VIC	TORY ROAD W — From 2 ater south to Perlite	
	3	Hudgens Terry D 💿	
		Robinson Chas K $\triangle FR$ 4-7742	
	11	McClain Robt W ⊚ <b>AFR</b> 4-3912	
	15	Barilleaux Gaston C $\odot \triangle$	
	18	FR 4-3914 Church of Christ	
	19	Roth Horace E	
	and the second	Drake John A Gonzales Elias © AFR	
ts 2		4-8892	
	107	Zink Paul E	
	111	Dickens Lester C	
-	112	4-8552 Williams Geo J ⊚ AFR	
	115	4-3363 Everitt Eliz S Mrs © AFR	
		4-5853	
	116	Sanchez Fred	
	119	Romero Pete J ⊚ AFR 4-8893	
0	120	Rencher Bernice Mrs 💿 🗘	
	123	FR 2-7083 Callow Edw H © AFR	
34	124	4-5854 Edison Buford E ⊚ AFR	
R	121	2-7084	
2		Haberman Allan B ⊚ AFR 4-5832	
n-	128	Akers Robt E Shaw John AFR 4-5852	
	132	Shindler Wanda Mrs 💿 🕰	
•	135	FR 2-7093 Green Ancel C	
		4-7441 Englestead Van ⊚ AFR	
ts	1.4.4	2-7094	
51	139 140	Miller Ora C	
		2-5061	
	143	Micklin Mose Cary Raymond W  o AFR	
		2-5064 Robinson J Whit ⊚ AFR	
		4-3913	
ts		Davis Thos L  O AFR 4-3134	
34	152	Hartzell Lester J	
	156	Heffner Vernie C	
	160	2-6074 Goyeneche Anthony $P \odot A$	
		FR 2-6073 Silver intersects	
-	202	Bontrager Chas E      AFR	
		2-4961 Duffy Geo B ⊚ AFR 2-7401	
	206	Watson Floyd J  O  AFR	
		2-6084	



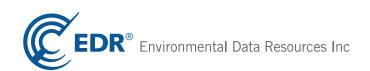
# APPENDIX F EDR Radius Map Report

# **Undeveloped Property**

W VICTORY RD & S WATER ST Henderson, NV 89015

Inquiry Number: 4158211.2s December 11, 2014

# **EDR Summary Radius Map Report**



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

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

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

## TARGET PROPERTY INFORMATION

## ADDRESS

W VICTORY RD & S WATER ST CLARK County, NV 89015

## COORDINATES

Latitude (North):	36.0356000 - 36° 2' 8.16''
Longitude (West):	114.9868000 - 114° 59' 12.48"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	681379.2
UTM Y (Meters):	3989571.5
Elevation:	1904 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	USGS 7.5 min quad index
Target Property:	W
Source:	USGS 7.5 min quad index

## **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from:	20100510
Source:	USDA

# Target Property Address: W VICTORY RD & S WATER ST , NV 89015

Click on Map ID to see full detail.

М	ΙΔ	Р

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft.) DIRECTION
A1	REBEL OIL CO #23	58 S WATER ST	UST	Higher	127, ESE
B2	TEXACO STATION #0675	3 EAST LAKE MEAD DRI	LUST	Lower	154, North
<b>B</b> 3		3 E LAKE MEAD DR	EDR US Hist Auto Stat	Lower	154, North
A4	ALLEYWAY	38 WATER STREET	SHWS	Higher	249, ESE
C5		16 W PACIFIC AVE	EDR US Hist Cleaners	Higher	323, SSE
D6	SHELL STATION (FORME	65 WEST LAKE MEAD DR	LUST	Lower	377, NW
D7		67 W LAKE MEAD DR	EDR US Hist Cleaners	Lower	382, NW
D8		67 W LAKE MEAD PKWY	EDR US Hist Cleaners	Lower	382, NW
E9	SPRINT CENTRAL TELEP	104 WATER STREET	SHWS, HMRI	Higher	453, SE
C10	HENDERSON CLNRS	112 MARKET ST	EDR US Hist Cleaners	Higher	462, SE
D11	ALL RITE LOCK SHOP	93 W LAKE MEAD DR	RCRA NonGen / NLR, FINDS	Lower	470, WNW
C12	THE MUFFLER SHOP INC	38 NAVY ST	UST	Higher	546, SSE
C13		38 NAVY ST	EDR US Hist Auto Stat	Higher	546, SSE
E14		112 S WATER ST	EDR US Hist Auto Stat	Higher	639, SE
F15		43 E LAKE MEAD DR	EDR US Hist Auto Stat	Lower	676, NE
F16		43 E LAKE MEAD PKWY	EDR US Hist Auto Stat	Lower	689, NE
G17	DOWNEY AL DRY CLNRS	152 MARKET ST	EDR US Hist Cleaners	Higher	828, SE
18		153 W LAKE MEAD PKWY	EDR US Hist Auto Stat	Lower	845, WNW
G19	ELDORADO CASINO	140 WATER ST	RCRA NonGen / NLR, FINDS	Higher	1064, SE
20		234 ZINC ST	EDR US Hist Cleaners	Higher	1293, SSE
H21	LAKE MEAD CHEVRON FO	101 EAST LAKE MEAD D	SHWS	Lower	1300, NE
H22	LAKE MEAD CHEVRON FO	101 E LAKE MEAD PKWY	UST	Lower	1300, NE
23	SAME AS 8-000693	W LAKE MEAD PKWY & W	UST	Lower	1310, West
H24	ST. ROSE DOMINICAN H	102 LAKE MEAD DRIVE	SHWS	Lower	1406, NE
25	TITANIUM METALS CORP	LAKE MEAD DR	RCRA-TSDF, CERC-NFRAP, RCRA-LQG, FINDS	Lower	1441, NNW
26	STAPLES	280 W LAKE MEAD PKWY	SWRCY	Lower	1721, West
27	CITY OF HENDERSON -	243 SOUTH WATER STRE	SHWS	Higher	1764, SE
28	HENDERSON LANDFILL	T21S R63E SECTION 28	CERCLIS	Lower	1839, NE
29	CHEVRON #94668 , 179	100 NORTH BOULDER HI	SHWS	Lower	1938, ENE
130	RADIO SHACK	334 W LAKE MEAD PKWY	SWRCY	Lower	1999, West
<b>I</b> 31	GOODWILL INDUSTRIES	340 W. LAKE MEAD PAR	SWRCY	Lower	2031, West
132	TARGET	350 W LAKE MEAD PKWY	SWRCY	Lower	2093, West
33	PLANCOR 201-C		FUDS	Lower	2177, NW
34	CITY OF HENDERSON DE	214 SOUTH BOULDER HI	SHWS	Lower	2186, East
35	TERRIBLE HERBST #144	220 N BOULDER HWY	LUST, UST	Lower	2186, NNE
36	7-ELEVEN #13696-CLOS	120 E LAKE MEAD PKWY	SHWS, UST	Lower	2228, NE
37	BURKHOLDER JUNIOR HI	355 WEST VAN WAGENEN	SHWS	Higher	3075, WSW
J38	TEXACO STATION #61-5	432 SOUTH BOULDER HI	SHWS	Higher	3108, East
39	BURKHOLDER PARK	645 WEST VICTORY ROA	SHWS	Higher	3260, WSW

# Target Property Address: W VICTORY RD & S WATER ST , NV 89015

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft.) DIRECTION
J40	K-MART STORE #9554,	498 BOULDER HIGHWAY	SHWS	Higher	3288, ESE
41	HENDERSON ASSOCIATIO	518 SOUTH BOULDER HI	SHWS	Higher	3657, ESE
K42	TRONOX LLC	560 W LAKE MEAD PKWY	RCRA-TSDF, CORRACTS, RCRA-LQG, PADS	Lower	3786, West
K43	D.A. HEIL-DEL AUGUST	631 WEST LAKE MEAD D	SHWS	Lower	3991, West
L44	CHEMSTAR, INC.	BMI COMPLEX	SHWS	Higher	4514, WSW
L45	STAUFFER/PIONEER CHL	BMI COMPLEX	SHWS	Higher	4514, WSW
L46	MONTROSE CHEMICAL CO	BMI COMPLEX	SHWS	Higher	4514, WSW
L47	CHEMSTAR LIME COMPAN	BMI COMPLEX	SHWS	Higher	4514, WSW
48	CITY OF HENDERSON	501 EAST LAKE MEAD D	SHWS	Lower	4640, NE
49	EAST LAWN - PALM MOR	800 SOUTH BOULDER HI	SHWS	Higher	5207, ESE

## 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

## Federal CERCLIS list

CERCLIS: A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HENDERSON LANDFILL	T21S R63E SECTION 28	NE 1/4 - 1/2 (0.348 mi.)	28	12

## Federal CERCLIS NFRAP site List

CERC-NFRAP: A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TITANIUM METALS CORP	LAKE MEAD DR	NNW 1/4 - 1/2 (0.273 mi.)	25	11

#### Federal RCRA CORRACTS facilities list

CORRACTS: A review of the CORRACTS list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRONOX LLC	560 W LAKE MEAD PKWY	W 1/2 - 1 (0.717 mi.)	K42	15

## Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: A review of the RCRA-TSDF list, as provided by EDR, and dated 06/10/2014 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TITANIUM METALS CORP	LAKE MEAD DR	NNW 1/4 - 1/2 (0.273 mi.)	25	11

## State- and tribal - equivalent CERCLIS

SHWS: A review of the SHWS list, as provided by EDR, and dated 04/16/2014 has revealed that there are 20 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALLEYWAY Date Closed: 07/30/1998	38 WATER STREET	ESE 0 - 1/8 (0.047 mi.)	A4	7
SPRINT CENTRAL TELEP Date Closed: 02/11/1997	104 WATER STREET	SE 0 - 1/8 (0.086 mi.)	E9	8
CITY OF HENDERSON - Date Closed: 09/12/1991	243 SOUTH WATER STRE	SE 1/4 - 1/2 (0.334 mi.)	27	12
BURKHOLDER JUNIOR HI Date Closed: 10/16/1990	355 WEST VAN WAGENEN	WSW 1/2 - 1 (0.582 mi.)	37	14
TEXACO STATION #61-5 Date Closed: 11/22/1999	432 SOUTH BOULDER HI	E 1/2 - 1 (0.589 mi.)	J38	14
BURKHOLDER PARK Date Closed: 09/08/2000	645 WEST VICTORY ROA	WSW 1/2 - 1 (0.617 mi.)	39	14
K-MART STORE #9554 , Date Closed: 11/17/1992	498 BOULDER HIGHWAY	ESE 1/2 - 1 (0.623 mi.)	J40	15
HENDERSON ASSOCIATIO Date Closed: 04/25/1996	518 SOUTH BOULDER HI	ESE 1/2 - 1 (0.693 mi.)	41	15
CHEMSTAR, INC. Date Closed: 01/31/1995	BMI COMPLEX	WSW 1/2 - 1 (0.855 mi.)	L44	15
STAUFFER/PIONEER CHL Date Closed: 04/15/2009 Date Closed: 10/27/1999	BMI COMPLEX	WSW 1/2 - 1 (0.855 mi.)	L45	16
MONTROSE CHEMICAL CO	BMI COMPLEX	WSW 1/2 - 1 (0.855 mi.)	L46	16
CHEMSTAR LIME COMPAN Date Closed: 08/09/1993	BMI COMPLEX	WSW 1/2 - 1 (0.855 mi.)	L47	16
EAST LAWN - PALM MOR Date Closed: 09/29/1993	800 SOUTH BOULDER HI	ESE 1/2 - 1 (0.986 mi.)	49	17
Lower Elevation	Address	Direction / Distance	Map ID	Page
LAKE MEAD CHEVRON FO Date Closed: 03/26/2004	101 EAST LAKE MEAD D	NE 1/8 - 1/4 (0.246 mi.)	H21	10
ST. ROSE DOMINICAN H Date Closed: 01/15/1991	102 LAKE MEAD DRIVE	NE 1/4 - 1/2 (0.266 mi.)	H24	11

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #94668 , 179 Date Closed: 10/24/2001 Date Closed: 12/05/1991	100 NORTH BOULDER HI	ENE 1/4 - 1/2 (0.367 mi.)	29	12
CITY OF HENDERSON DE Date Closed: 04/11/1996	214 SOUTH BOULDER HI	E 1/4 - 1/2 (0.414 mi.)	34	13
7-ELEVEN #13696-CLOS Date Closed: 04/08/1997	120 E LAKE MEAD PKWY	NE 1/4 - 1/2 (0.422 mi.)	36	14
D.A. HEIL-DEL AUGUST Date Closed: 04/04/1997	631 WEST LAKE MEAD D	W 1/2 - 1 (0.756 mi.)	K43	15
CITY OF HENDERSON Date Closed: 12/16/1991	501 EAST LAKE MEAD D	NE 1/2 - 1 (0.879 mi.)	48	16

## State and tribal leaking storage tank lists

LUST: A review of the LUST list, as provided by EDR, and dated 04/16/2014 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
TEXACO STATION #0675 Date Closed: 08/03/2001 Date Closed: 11/28/1995	3 EAST LAKE MEAD DRI	N 0 - 1/8 (0.029 mi.)	B2	7
SHELL STATION (FORME Date Closed: 11/10/1999	65 WEST LAKE MEAD DR	NW 0 - 1/8 (0.071 mi.)	D6	8
TERRIBLE HERBST #144 Date Closed: 10/06/2010	220 N BOULDER HWY	NNE 1/4 - 1/2 (0.414 mi.)	35	13

## State and tribal registered storage tank lists

UST: A review of the UST list, as provided by EDR, and dated 04/16/2014 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
REBEL OIL CO #23 THE MUFFLER SHOP INC	58 S WATER ST 38 NAVY ST	ESE 0 - 1/8 (0.024 mi.) SSE 0 - 1/8 (0.103 mi.)	A1 C12	7 9
Lower Elevation	Address	Direction / Distance	Map ID	Page
	Address	Direction, Distance		- age

## ADDITIONAL ENVIRONMENTAL RECORDS

## Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A review of the SWRCY list, as provided by EDR, and dated 06/03/2014 has revealed that there are 4 SWRCY sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
STAPLES	280 W LAKE MEAD PKWY	W 1/4 - 1/2 (0.326 mi.)	26	12
RADIO SHACK	334 W LAKE MEAD PKWY	W 1/4 - 1/2 (0.379 mi.)	130	12
GOODWILL INDUSTRIES	340 W. LAKE MEAD PAR	W 1/4 - 1/2 (0.385 mi.)	131	13
TARGET	350 W LAKE MEAD PKWY	W 1/4 - 1/2 (0.396 mi.)	132	13

#### Other Ascertainable Records

RCRA NonGen / NLR: A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/10/2014 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELDORADO CASINO	140 WATER ST	SE 1/8 - 1/4 (0.202 mi.)	G19	10
Lower Elevation	Address	Direction / Distance	Map ID	Page
ALL RITE LOCK SHOP	93 W LAKE MEAD DR	WNW 0 - 1/8 (0.089 mi.)	D11	9

FUDS: A review of the FUDS list, as provided by EDR, and dated 06/06/2014 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PLANCOR 201-C		NW 1/4 - 1/2 (0.412 mi.)	33	13

#### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR US Hist Auto Stat: A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 6 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	38 NAVY ST	SSE 0 - 1/8 (0.103 mi.)	C13	9
Not reported	112 S WATER ST	SE 0 - 1/8 (0.121 mi.)	E14	9

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	3 E LAKE MEAD DR	N 0 - 1/8 (0.029 mi.)	B3	7
Not reported	43 E LAKE MEAD DR	NE 1/8 - 1/4 (0.128 mi.)	F15	9
Not reported	43 E LAKE MEAD PKWY	NE 1/8 - 1/4 (0.130 mi.)	F16	10
Not reported	153 W LAKE MEAD PKWY	WNW 1/8 - 1/4 (0.160 mi.)	18	10

EDR US Hist Cleaners: A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 6 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

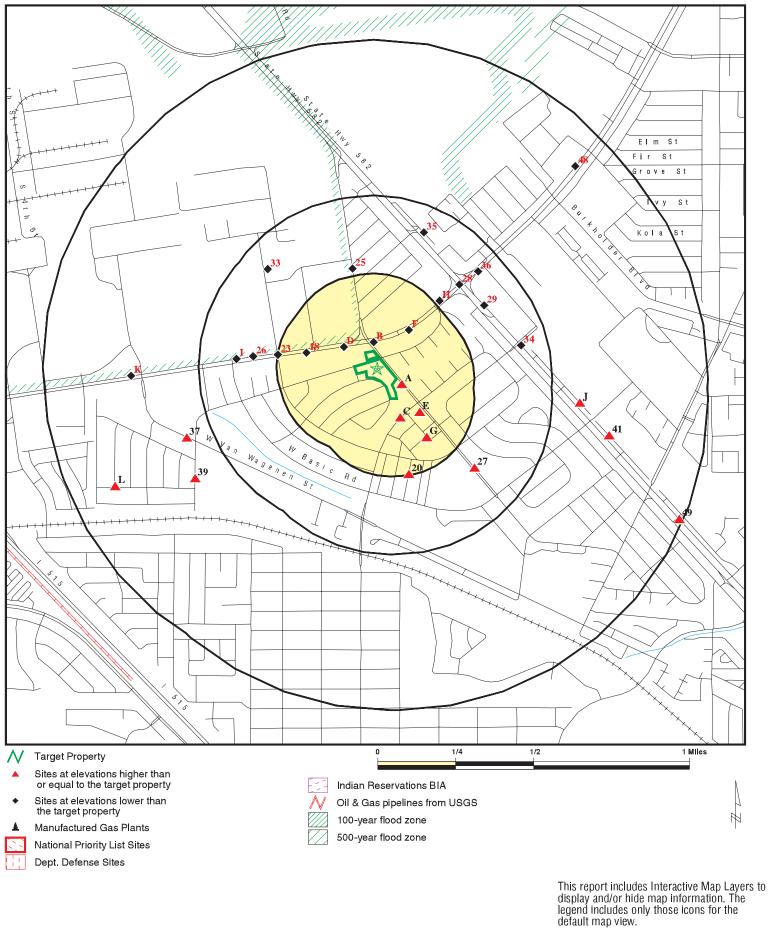
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	16 W PACIFIC AVE	SSE 0 - 1/8 (0.061 mi.)	C5	7
HENDERSON CLNRS	112 MARKET ST	SE 0 - 1/8 (0.087 mi.)	C10	8
DOWNEY AL DRY CLNRS	152 MARKET ST	SE 1/8 - 1/4 (0.157 mi.)	G17	10
Not reported	234 ZINC ST	SSE 1/8 - 1/4 (0.245 mi.)	20	10
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	67 W LAKE MEAD DR	NW 0 - 1/8 (0.072 mi.)	D7	8
Not reported	67 W LAKE MEAD PKWY	NW 0 - 1/8 (0.072 mi.)	D8	8

City	EDR ID	Site Name	Site Address	Zip Database(s)	
CLARK COUNTY	S109521968	S109521968 TRUCK SPILL	LAKE MEAD BOULEVARD NEAR GOLDA	SHWS	
HENDERSON	S103877055	S103877055 WESTERN AREA POWER ADMINISTRATION	BASIC SUBSTATION (BMI COMPLEX)	89015 SHWS	
HENDERSON	S103877183	ATLAS, INC.	BOULDER HIGHWAY	SHWS	
HENDERSON	S106514480	BOULDER HIGHWAY DIESEL SPILL	BOULDER HIGHWAY @ WAGON WHEEL	SHWS	
HENDERSON	S111027640	S111027640 O'REILLY AUTO PARTS MOBILE SOURCE	U.S. HIGHWAY 95 @ BOULDER HIGH	SHWS	
HENDERSON	S110115062	S110115062 LEVY REALTY TRUST , LEVY PROPERTY	U.S. HIGHWAY 95 @ LAKE MEAD BO	SHWS	
HENDERSON	S104235273	S104235273 U.S. XPRESS ENTERPRISES MOBILE SOU	LAKE MEAD @ EASTERN AVENUE	SHWS	
HENDERSON	S103877100	SEVEN HILLS COMMUNITY	EAST LAKE MEAD WEST OF GREEN V	SHWS	
HENDERSON	1015735537	KERR-MCGEE CHEM CORP	LAKE MEAD DR	89015 CERC-NFRAP	дР
HENDERSON	1015757869	PIONEER CHLOR ALKALI CO INC	8000 LAKE MEAD DR	89015 RCRA-TSDI	RCRA-TSDF, CORRACTS, RCRA-SQ
				PADS	
HENDERSON	S103877090	S103877090 HENDERSON LANDFILL	LAKE MEAD DRIVE AND OLSON	SHWS	
HENDERSON	S106514485	S106514485 U.S. BUREAU OF LAND MANAGEMENT	1 MILE SE OF EASTERN AND LAKE	SHWS	
HENDERSON	S103877135	S103877135 WESTERN AREA POWER ADMINISTRATION	1/4 MILE EAST ON MAJOR AVENUE	89015 SHWS	
HENDERSON	S103877186	S103877186 CAL-NEV-ARI	7 MILES EAST OF LAKE MEAD	SHWS	
HENDERSON	S106870564	S106870564 TERRAZZO I RESIDENTIAL SUBDIVISION	SANDY RIDGE @ ROCKY RIDGE	SHWS	
LAS VEGAS	S103876942	S103876942 CREDIT AUTO SALES	1700 NORTH BOULDER HIGHWAY	89015 SHWS	

**ORPHAN SUMMARY** 

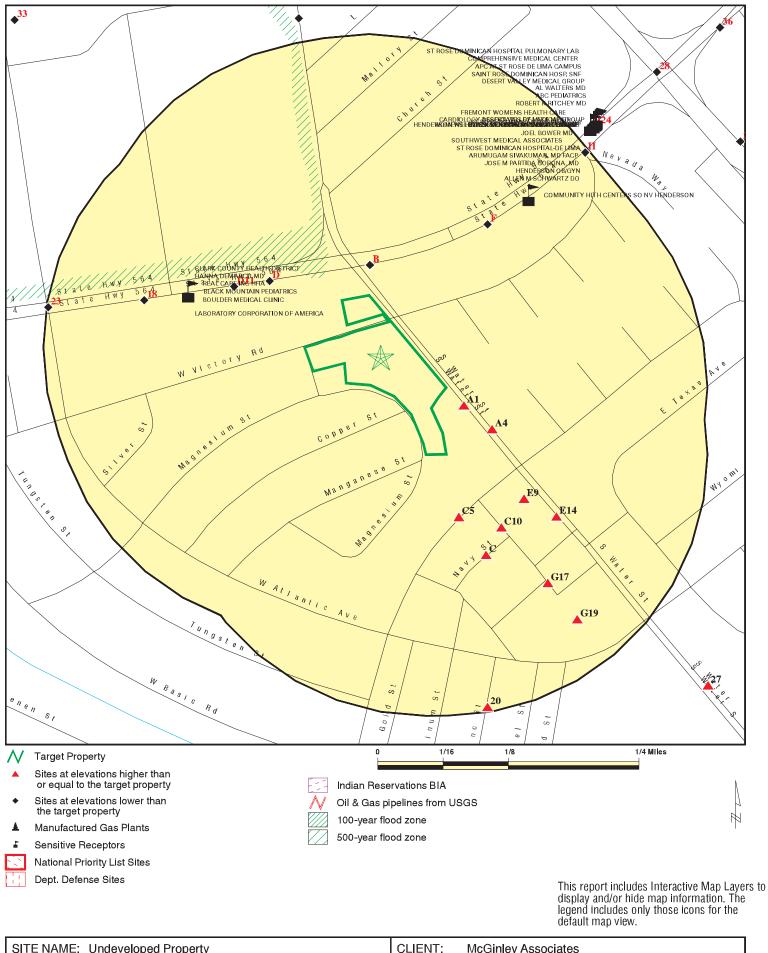
Count: 16 records.

## **OVERVIEW MAP - 4158211.2S**



LAT/LONG: 36.0356 / 114.9868 DATE: December 11, 2014 12:26 pm
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### DETAIL MAP - 4158211.2S



ADDRESS:	W VICTORY RD & S WATER ST Henderson NV 89015	CONTACT: INQUIRY #:	McGinley Associates Lauren Bruno OR Brett Bottenberg 4158211.2s December 11, 2014 12:27 pm
		Copyriah	t © 2014 EDR. Inc. © 2010 Tele Atlas Rel. 07/2009.

# MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY	0.500 0.500		0 0	0 0	1 0	NR NR	NR NR	1 0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP	0.500		0	0	1	NR	NR	1
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	1	NR	1
Federal RCRA non-COR	RACTS TSD fa	acilities list						
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Federal RCRA generato	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional cor engineering controls reg								
US ENG CONTROLS US INST CONTROL LUCIS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiva	alent CERCLIS	;						
SHWS	1.000		2	1	5	12	NR	20
State and tribal landfill a solid waste disposal site								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	storage tank l	ists						
LUST INDIAN LUST	0.500 0.500		2 0	0 0	1 0	NR NR	NR NR	3 0
State and tribal register	ed storage tan	k lists						
UST	0.250		2	2	NR	NR	NR	4

# MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST INDIAN UST FEMA UST	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal volunta	ry cleanup sit	es						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfi	ields sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	NTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Waste Disposal Sites	Solid							
ODI DEBRIS REGION 9 SWRCY INDIAN ODI	0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 4 0	NR NR NR NR	NR NR NR NR	0 0 4 0
Local Lists of Hazardou Contaminated Sites	is waste /							
US CDL US HIST CDL	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<b>Records of Emergency</b>	Release Repo	orts						
HMIRS	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Re	cords							
RCRA NonGen / NLR DOT OPS DOD FUDS CONSENT ROD UMTRA US MINES TRIS TSCA FTTS HIST FTTS SSTS ICIS	0.250 0.001 1.000 1.000 1.000 0.500 0.250 0.001 0.001 0.001 0.001 0.001 0.001		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 NR 0 0 0 0 0 NR NR NR NR NR NR NR	NR NR 0 1 0 0 NR NR NR NR NR NR NR NR	NR 0 0 NR NR NR NR NR NR NR NR NR	NR NR NR NR NR NR NR NR NR NR NR NR NR	2 0 1 0 0 0 0 0 0 0 0 0 0 0 0
PADS	0.001		Ő	NR	NR	NR	NR	Õ

# **MAP FINDINGS SUMMARY**

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MLTS	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		Õ	NR	NR	NR	NR	Ő
FINDS	0.001		Õ	NR	NR	NR	NR	Õ
RAATS	0.001		Õ	NR	NR	NR	NR	Õ
RMP	0.001		Õ	NR	NR	NR	NR	Õ
NPDES	0.001		0	NR	NR	NR	NR	Ō
AIRS	0.001		0	NR	NR	NR	NR	0
HMRI	0.001		0	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		3	3	NR	NR	NR	6
EDR US Hist Cleaners	0.250		4	2	NR	NR	NR	6
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Go	Exclusive Recovered Govt. Archives							
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
	0.001		U	INIX		INIX	INIX	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID	MAP FINDINGS	]	
Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A1	REBEL OIL CO #23	UST	 U004161576
ESE < 1/8 0.024 mi. 127 ft.	58 S WATER ST HENDERSON, NV 89015		N/A
Relative: Higher	Click here for full text details UST Tank Status: PERMANENTLY OUT OF USE Tank Status: CURRENTLY IN USE Facility Id: 8-000536		
B2 North < 1/8 0.029 mi. 154 ft.	TEXACO STATION #0675 , APN 179-18-201-001 3 EAST LAKE MEAD DRIVE HENDERSON, NV 89015	LUST	S103875984 N/A
Relative: Lower	Click here for full text details  LUST Facility Id: 8-001824 Facility Id: 8-000682 Date Closed: 08/03/2001 Date Closed: 11/28/1995		
B3 North < 1/8 0.029 mi. 154 ft.	3 E LAKE MEAD DR HENDERSON, NV 89015	DR US Hist Auto Stat	1015398570 N/A
Relative: Lower	Click here for full text details		
A4 ESE < 1/8 0.047 mi. 249 ft.	ALLEYWAY 38 WATER STREET HENDERSON, NV	SHWS	S103877298 N/A
Relative: Higher	Click here for full text details SHWS Facility Id: H-001309 Date Closed: 07/30/1998		
C5 SSE < 1/8 0.061 mi.	16 W PACIFIC AVE HENDERSON, NV 89015	DR US Hist Cleaners	1014999841 N/A
323 ft. Relative <sup>.</sup>	Click here for full text details		

Map ID Direction	MAP FINDINGS		
Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
D6 NW < 1/8 0.071 mi.	SHELL STATION (FORMER)/JIM HANILY PROP. 65 WEST LAKE MEAD DRIVE HENDERSON, NV 89015	LUST	S103877948 N/A
377 ft. Relative:	Click here for full text details		
Lower	LUST		
	Facility Id: H-000495 Date Closed: 11/10/1999		
D7 NW < 1/8 0.072 mi.	67 W LAKE MEAD DR HENDERSON, NV 89015	R US Hist Cleaners	1015086178 N/A
382 ft. Relative: Lower	Click here for full text details		
D8 NW < 1/8 0.072 mi. 382 ft. Relative: Lower	EDF 67 W LAKE MEAD PKWY HENDERSON, NV 89015 Click here for full text details	R US Hist Cleaners	1015086179 N/A
E9 SE < 1/8 0.086 mi. 453 ft.	SPRINT CENTRAL TELEPHONE , 179-18-711-001 104 WATER STREET HENDERSON, NV 89015	SHWS HMRI	S107600905 N/A
Relative:	Click here for full text details		
Higher	SHWS Facility Id: 8-000075 Date Closed: 02/11/1997		
	HMRI Facility Id: 5019		
C10 SE < 1/8 0.087 mi. 462 ft.	112 MARKET ST LAS VEGAS, NV	R US Hist Cleaners	1009334197 N/A
Relative:	Click here for full text details		

Relative: Higher

Map ID Direction		MAP FINDINGS	
Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
D11 WNW < 1/8 0.089 mi. 470 ft. Relative: Lower	ALL RITE LOCK SHOP 93 W LAKE MEAD DR HENDERSON, NV 89015 Click here for full text details RCRA NonGen / NLR EPA Id: NVD981628605	RCRA NonGen / NLR FINDS	
C12 SSE < 1/8 0.103 mi. 546 ft.	THE MUFFLER SHOP INC 38 NAVY ST HENDERSON, NV 89015	UST	U003380347 N/A
Relative: Higher	Click here for full text details UST Tank Status: CURRENTLY IN USE Facility Id: 8-000964		
C13 SSE < 1/8 0.103 mi. 546 ft.	38 NAVY ST HENDERSON, NV 89015	EDR US Hist Auto Stat	1015457901 N/A
Relative: Higher	Click here for full text details		
E14 SE < 1/8 0.121 mi. 639 ft.	112 S WATER ST HENDERSON, NV 89015	EDR US Hist Auto Stat	1015160599 N/A
Relative: Higher	Click here for full text details		
F15 NE 1/8-1/4 0.128 mi. 676 ft.	43 E LAKE MEAD DR LAS VEGAS, NV 89123	EDR US Hist Auto Stat	1015491600 N/A
Relative: Lower	Click here for full text details		

Map ID Direction		MAP FINDINGS		
Distance Elevation	Site		 Database(s)	EDR ID Number EPA ID Number
F16 NE 1/8-1/4 0.130 mi. 689 ft.	43 E LAKE MEAD PKWY HENDERSON, NV 89015		EDR US Hist Auto Stat	1015491601 N/A
Relative: Lower	Click here for full text details			
G17 SE 1/8-1/4 0.157 mi. 828 ft.	DOWNEY AL DRY CLNRS 152 MARKET ST LAS VEGAS, NV		EDR US Hist Cleaners	1009336444 N/A
Relative: Higher	Click here for full text details			
18 WNW 1/8-1/4 0.160 mi.	153 W LAKE MEAD PKWY HENDERSON, NV 89015		EDR US Hist Auto Stat	1015243960 N/A
845 ft. Relative: Lower	Click here for full text details			
G19 SE 1/8-1/4 0.202 mi. 1064 ft.	ELDORADO CASINO 140 WATER ST HENDERSON, NV 89015		RCRA NonGen / NLR FINDS	1000341009 NVD981668478
Relative: Higher	Click here for full text details RCRA NonGen / NLR EPA Id: NVD981668478			
20 SSE 1/8-1/4 0.245 mi. 1293 ft.	234 ZINC ST HENDERSON, NV 89015		EDR US Hist Cleaners	1015024306 N/A
Relative: Higher	Click here for full text details			
H21 NE 1/8-1/4 0.246 mi. 1300 ft.	LAKE MEAD CHEVRON FOOD MART 101 EAST LAKE MEAD DRIVE HENDERSON, NV <u>Click here for full text details</u>	, APN 179-18-505-002	SHWS	S106514251 N/A
Relative: Lower	SHWS Facility Id: 8-001690			

Map ID Direction	MAP FINDINGS		
Distance	014		EDR ID Number
Elevation	Site	Database(s)	EPA ID Number
	LAKE MEAD CHEVRON FOOD MART , APN 179-18-505-002 (Continued)		S106514251
	Date Closed: 03/26/2004		
H22	LAKE MEAD CHEVRON FOOD MART	UST	U003380851
NE 1/8-1/4	101 E LAKE MEAD PKWY HENDERSON, NV 89015		N/A
0.246 mi.			
1300 ft.	Click here for full text details		
Relative: Lower	UST		
	Tank Status: PERMANENTLY OUT OF USE		
	Facility Id: 8-001690		
23 West	SAME AS 8-000693 W LAKE MEAD PKWY & W ATLANTIC AVE	UST	U004161796 N/A
1/8-1/4	HENDERSON, NV 89015		N/A
0.248 mi. 1310 ft.			
Relative:	Click here for full text details		
Lower			
H24	ST. ROSE DOMINICAN HOSPITAL , APN 179-18-503-004	SHWS	S103875969
NE 1/4-1/2	102 LAKE MEAD DRIVE HENDERSON, NV 89015		N/A
0.266 mi.			
1406 ft.	Click here for full text details		
Relative: Lower			
	SHWS Facility Id: 8-000568		
	Date Closed: 01/15/1991		
25 NNW	TITANIUM METALS CORP OF AMER TIMET DIV LAKE MEAD DR	RCRA-TSDF CERC-NFRAP	
1/4-1/2	HENDERSON, NV 89015	RCRA-LQG	NVD009562471
0.273 mi. 1441 ft.		FINDS	
	Click here for full text details		
Relative: Lower	RCRA-TSDF		
	EPA ld: NVD009562471		
	CERC-NFRAP		
	EPA ld: NVD009562471		
	BCBA LOC		
	RCRA-LQG EPA ld: NVD009562471		

Map ID	MAP FINDINGS		
Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
26 West 1/4-1/2 0.326 mi. 1721 ft.	STAPLES 280 W LAKE MEAD PKWY HENDERSON, NV 89015	SWRCY	S111243454 N/A
Relative: Lower	Click here for full text details		
27 SE 1/4-1/2 0.334 mi. 1764 ft.	CITY OF HENDERSON - POLICE DEPT. , 179-18-710-242 243 SOUTH WATER STREET HENDERSON, NV 89015	SHWS	S103875888 N/A
Relative: Higher	Click here for full text details SHWS Facility Id: 8-000316 Date Closed: 09/12/1991		
28 NE 1/4-1/2 0.348 mi.	HENDERSON LANDFILL T21S R63E SECTION 28, 29 HENDERSON, NV 89009	CERCLIS	1000483210 NV1141190024
1839 ft. Relative: Lower	Click here for full text details CERCLIS EPA Id: NV1141190024		
29 ENE 1/4-1/2 0.367 mi. 1938 ft.	CHEVRON #94668 , 179-18-502-005 100 NORTH BOULDER HIGHWAY HENDERSON, NV 89015	SHWS	S114372847 N/A
Relative: Lower	Click here for full text details SHWS Facility Id: 8-000737 Facility Id: 8-000106 Date Closed: 10/24/2001 Date Closed: 12/05/1991		
I30 West 1/4-1/2 0.379 mi. 1999 ft.	RADIO SHACK 334 W LAKE MEAD PKWY #100 HENDERSON, NV 89015	SWRCY	S112364981 N/A
Relative: Lower	Click here for full text details		

Map ID	MAP FINDINGS		
Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
I31 West 1/4-1/2 0.385 mi. 2031 ft. Relative: Lower	GOODWILL INDUSTRIES 340 W. LAKE MEAD PARKWAY HENDERSON, NV 89015 Click here for full text details	SWRCY	S112364821 N/A
I32 West 1/4-1/2 0.396 mi. 2093 ft. Relative: Lower	TARGET 350 W LAKE MEAD PKWY HENDERSON, NV 89015 Click here for full text details	SWRCY	S112365037 N/A
33 NW 1/4-1/2 0.412 mi. 2177 ft. Relative: Lower	PLANCOR 201-C HENDERSON, NV Click here for full text details	FUDS	1007212037 N/A
34 East 1/4-1/2 0.414 mi. 2186 ft. Relative: Lower	CITY OF HENDERSON DEPARTMENT OF PUBLIC WORKS 214 SOUTH BOULDER HIGHWAY HENDERSON, NV 89015 Click here for full text details SHWS Facility Id: H-000455 Date Closed: 04/11/1996	SHWS	S103876910 N/A
35 NNE 1/4-1/2 0.414 mi. 2186 ft. Relative: Lower	TERRIBLE HERBST #144-CLOSED 220 N BOULDER HWY HENDERSON, NV 89015 Click here for full text details LUST Facility Id: 8-000664 Date Closed: 10/06/2010 UST	LUST UST	U003402314 N/A
	Tank Status: PERMANENTLY OUT OF USE Facility Id: 8-000664		

36 NE 1/4-1/2 0.422 mi. 2228 ft.	7-ELEVEN #13696-CLOSED 120 E LAKE MEAD PKWY HENDERSON, NV 89015	SHWS UST	U003380029 N/A
Relative: Lower	Click here for full text details SHWS Facility Id: 8-000584 Date Closed: 04/08/1997		
	UST Tank Status: PERMANENTLY OUT OF USE Facility Id: 8-000584		
37 WSW 1/2-1 0.582 mi. 3075 ft.	BURKHOLDER JUNIOR HIGH SCHOOL , 179-18-401-002 355 WEST VAN WAGENEN STREET HENDERSON, NV 89015	SHWS	S103876085 N/A
3075 ft. Relative: Higher	Click here for full text details SHWS Facility Id: 8-001026 Date Closed: 10/16/1990		
J38 East 1/2-1 0.589 mi. 3108 ft.	TEXACO STATION #61-529-0700 , APN 179-17-302-001 432 SOUTH BOULDER HIGHWAY HENDERSON, NV	SHWS	S104178932 N/A
Relative: Higher	Click here for full text details SHWS Facility Id: 8-000683 Date Closed: 11/22/1999		
39 WSW 1/2-1 0.617 mi. 3260 ft.	BURKHOLDER PARK 645 WEST VICTORY ROAD HENDERSON, NV 89015	SHWS	S104535034 N/A
Relative: Higher	Click here for full text details SHWS		

Facility Id: H-000062 Date Closed: 09/08/2000

Map ID Direction	MAP FINDINGS		
Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
J40 ESE 1/2-1 0.623 mi. 3288 ft.	K-MART STORE #9554 , 179-17-201-007 498 BOULDER HIGHWAY HENDERSON, NV 89015	SHWS	S103875870 N/A
Relative: Higher	Click here for full text details SHWS Facility Id: 8-000267 Date Closed: 11/17/1992		
41 ESE 1/2-1 0.693 mi. 3657 ft.	HENDERSON ASSOCIATION 518 SOUTH BOULDER HIGHWAY HENDERSON, NV	SHWS	S103877201 N/A
Relative: Higher	Click here for full text details SHWS Facility Id: H-001193 Date Closed: 04/25/1996		
K42 West 1/2-1 0.717 mi.	TRONOX LLC 560 W LAKE MEAD PKWY HENDERSON, NV 89015	RCRA-TSDF CORRACTS RCRA-LQG PADS	1015757868 NVD008290330
3786 ft. Relative: Lower	Click here for full text details RCRA-TSDF EPA Id: NVD008290330		
	RCRA-LQG EPA Id: NVD008290330		
K43 West 1/2-1 0.756 mi. 3991 ft.	D.A. HEIL-DEL AUGUST COMPANY 631 WEST LAKE MEAD DRIVE HENDERSON, NV 89015	SHWS	S103876936 N/A
Relative: Lower	Click here for full text details SHWS Facility Id: H-000485 Date Closed: 04/04/1997		
L44 WSW 1/2-1 0.855 mi. 4514 ft.	CHEMSTAR, INC. BMI COMPLEX HENDERSON, NV 89015	SHWS	S103876973 N/A
4514 ft. Relative: Higher	Click here for full text details SHWS Facility Id: H-000538		

Map ID	MAP FINDINGS		
Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
L45 WSW 1/2-1 0.855 mi. 4514 ft. Relative: Higher	CHEMSTAR, INC. (Continued) Date Closed: 01/31/1995 STAUFFER/PIONEER CHLOR-ALKALI , FORMER BULK TRANSPORTATION Y BMI COMPLEX HENDERSON, NV 89015 Click here for full text details SHWS Eacility Id: H-000536	 SHWS	S103876973 S103876971 N/A
L46 WSW 1/2-1 0.855 mi. 4514 ft. Relative: Higher	Date Closed: 04/15/2009 Date Closed: 10/27/1999 MONTROSE CHEMICAL COMPANY BMI COMPLEX HENDERSON, NV 89015 Click here for full text details SHWS Facility Id: H-000540	SHWS	S103876975 N/A
L47 WSW 1/2-1 0.855 mi. 4514 ft.	CHEMSTAR LIME COMPANY OF NEVADA BMI COMPLEX HENDERSON, NV	SHWS	S103875841 N/A
Relative: Higher	Click here for full text details SHWS Facility Id: 8-000210 Date Closed: 08/09/1993		
48 NE 1/2-1 0.879 mi. 4640 ft. Relative: Lower	CITY OF HENDERSON 501 EAST LAKE MEAD DRIVE HENDERSON, NV 89015 Click here for full text details SHWS	SHWS	S103876152 N/A
	Facility Id: 8-001360		

Facility Id: 8-001360 Date Closed: 12/16/1991

Map ID Direction		MAP FINDINGS		
Distance				EDR ID Number
Elevation	Site		Database(s)	EPA ID Number

#### 49 EAST LAWN - PALM MORTUARY , 179-17-801-002 SHWS S103876119 800 SOUTH BOULDER HIGHWAY ESE N/A 1/2-1 HENDERSON, NV 89015 0.986 mi. 5207 ft. Click here for full text details Relative: Higher

SHWS Facility Id: 8-001135 Date Closed: 09/29/1993 **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING** 

ð	Acronym		Government Arency	Gov Date	Arvl Date	Active Date
Z	AIRS	Permitted Airs Facility Listing	Division of Environmental Protection	03/31/2011	03/31/2011	05/13/2011
N	AST	Aboverround Storage Tank List	Department of Conservation and Natural Resour	04/16/2014	06/25/2014	07/08/2014
NN	BPOWNEIELDS	Droiert Tracking Database	Division of Environmental Drotection	04/16/2014	06/25/2014	07/00/2014
Ž		Coal Ash Disnocal Sites	Division of Environmental Protection	10/02/2013	10/03/2013	11/01/2013
N	Einancial Assurance 1	Einancial Assurance Information Listing	Denartment of Environmental Protection	12/28/2010	12/29/2010	02/02/2011
2 Z	Financial Assurance 2	Financial Assurance Information	Division of Environmental Protection	06/02/2014	06/10/2014	07/09/2014
≥	HMRI	Hazardous Materials Repository Information Data	State Emergency Response Commission	08/05/2008	08/05/2008	08/13/2008
Ž	LUST	Sites Database	Department of Conservation and Natural Resour	04/16/2014	06/25/2014	07/09/2014
N	NPDES	Permitted Facility Listing	Department of Environmental Protection	07/09/2014	07/10/2014	08/11/2014
N	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Conservation and Natural Resour		07/01/2013	12/26/2013
N	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Conservation and Natural Resour		07/01/2013	01/16/2014
N	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Conservation and Natural Resour		07/01/2013	12/26/2013
Ž	SHWS	Sites Database	Department of Conservation and Natural Resour	04/16/2014	06/25/2014	07/09/2014
Ž	SWF/LF	Landfill List	Department of Conservation and Natural Resour	07/07/2014	07/15/2014	08/11/2014
N	SWRCY	Recycling Information Listing	Department of Environmental Protection	06/03/2014	06/04/2014	07/09/2014
N	UST	Underground Storage Tank List	Department of Conservation and Natural Resour	04/16/2014	06/25/2014	07/08/2014
Ž	VCP	Voluntary Cleanup Program Sites	Department of Conservation & Natural Resource	08/16/2011	09/27/2011	10/12/2011
SU	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	11/11/2011	05/18/2012	05/25/2012
SU	BRS	Biennial Reporting System	EPA/NTIS	12/31/2011	02/26/2013	04/19/2013
SU	CERCLIS	Comprehensive Environmental Response, Compensation, and Liab	EPA	10/25/2013	11/11/2013	02/13/2014
SU	CERCLIS-NFRAP	CERCLIS No Further Remedial Action Planned	EPA	10/25/2013	11/11/2013	02/13/2014
SU	COAL ASH DOE	Sleam-Electric Plan Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
SU	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
SU	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2013	01/24/2014	02/24/2014
SU	CORRACTS	Corrective Action Report	EPA	06/10/2014	07/02/2014	09/18/2014
SU	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
SU	DELISTED NPL	National Priority List Deletions	EPA	09/29/2014	10/08/2014	11/17/2014
SU	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
SU	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
SU	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
SN	EDR US Hist Auto Stat	EDR Exclusive Historic Gas Stations	EDR, Inc.			
SN	EDR US Hist Cleaners	EDR Exclusive Historic Dry Cleaners	EDR, Inc.			
SN	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
SU	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/29/2014	09/30/2014	11/06/2014
SU	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	07/21/2014	10/07/2014	10/20/2014
SU	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
SN	FEMA UST	Underground Storage Tank Listing	FEMA	01/01/2010	02/16/2010	04/12/2010
SU	FINDS	Facility Index System/Facility Registry System	EPA	08/16/2014	09/10/2014	10/20/2014
SU	FTTS	Federal Insecticide,	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
SU	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
SU	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	06/06/2014	09/10/2014	09/18/2014
SN	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
SU	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
SU	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/30/2014	10/01/2014	11/06/2014
SU	ICIS	Integrated Compliance Information System	Environmental Protection Agency	07/31/2014	10/29/2014	11/06/2014
SU	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	02/01/2013	05/01/2013	11/01/2013
SU	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	05/20/2014	06/10/2014	08/22/2014

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

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
SU	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	07/30/2014	08/12/2014	08/22/2014
SU	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	11/03/2014	11/05/2014	11/17/2014
SU	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/06/2014	10/29/2014	11/17/2014
SU	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	05/22/2014	08/22/2014	09/18/2014
SU	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/04/2014	11/07/2014	11/17/2014
SN	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	03/01/2013	03/01/2013	04/12/2013
SN	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
SU	INDIAN RESERV	Indian Reservations	NSGS	12/31/2005	12/08/2006	01/11/2007
SU	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	02/01/2013	05/01/2013	01/27/2014
SU	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	05/20/2014	06/10/2014	08/15/2014
SU	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	07/30/2014	08/12/2014	08/22/2014
SU	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	11/03/2014	11/05/2014	11/17/2014
SU	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/06/2014	10/29/2014	11/06/2014
SU	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	08/20/2014	08/22/2014	09/18/2014
SU	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/04/2014	11/07/2014	11/17/2014
SU	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	08/14/2014	08/15/2014	08/22/2014
SU	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	09/29/2014	10/01/2014	11/06/2014
SU	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
SN	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	06/04/2014	06/12/2014	07/28/2014
SN	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
SU	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/18/2014	03/18/2014	04/24/2014
SU	LUCIS	Land Use Control Information System	Department of the Navy	08/29/2014	10/09/2014	10/20/2014
SU	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	07/22/2013	08/02/2013	11/01/2013
SN	NPL	National Priority List	EPA	09/29/2014	10/08/2014	11/17/2014
SII	NPI LIENS	Federal Superfund Liens	FPA	10/15/1991	02/02/1994	03/30/1994
S II			Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
S N	PADS	PCB Activity Database System	ETAI OTTICITAL LOCOMON SQUID	07/01/2014	10/15/2014	11/17/2014
SU	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	02/01/2011	10/19/2011	01/10/2012
SU	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
SU	Proposed NPL	Proposed National Priority List Sites	EPA	09/29/2014	10/08/2014	11/17/2014
SU	RATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
ns	RADINFO	Radiation Information Database	Environmental Protection Agency	10/07/2014	10/08/2014	10/20/2014
SN	RCRA NonGen / NLR	RCRA - Non Generators	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
SU	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
SN	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
SU	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
SN	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/10/2014	07/02/2014	09/18/2014
SN	RMP	Risk Management Plans	Environmental Protection Agency	08/01/2014	08/12/2014	11/06/2014
SN	ROD	Records Of Decision	EPA	11/25/2013	12/12/2013	02/24/2014
SU	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	03/07/2011	03/09/2011	05/02/2011
SU	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
SU	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2011	07/31/2013	09/13/2013
SU	TSCA	Toxic Substances Control Act	EPA	12/31/2006	09/29/2010	12/02/2010
SU	UMTRA	Uranium Mill Tailings Sites	Department of Energy	09/14/2010	10/07/2011	03/01/2012
SU	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/16/2014	10/31/2014	11/17/2014
SU	US AIRS MINOR	Air Facility System Data	EPA	10/16/2014	10/31/2014	11/17/2014
SU	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/22/2014	09/23/2014	10/20/2014

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<b>GOVERNMENT RECORDS</b>
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US INST CONTROL US MINES CT MANIFEST NY MANIFEST Oil/Gas Pipelines AHA Hospitals Medical Centers	Clandestine Drug Labs Engineering Controls Sites List Financial Assurance Information National Clandestine Laboratory Register Sites with Institutional Controls Mines Master Index File Mines Master Index File GeoData Digital Line Graphs from 1:100,000-Scale Maps Sensitive Receptor: AHA Hospitals Sensitive Receptor: Medical Centers	Drug Enforcement Administration Environmental Protection Agency Environmental Protection Agency Drug Enforcement Administration Environmental Protection Agency Department of Labor, Mine Safety and Health A Department of Environmental Conservation USGS American Hospital Association, Inc. Centers for Medicare & Medicaid Services	07/25/2014 09/18/2014 09/04/2014 09/18/2014 08/05/2013 07/30/2013 11/01/2014	09/09/2014 09/19/2014 09/09/2014 09/19/2014 09/19/2014 09/19/2013 11/05/2013	10/20/2014 10/20/2014 10/20/2014 10/20/2014 11/17/2014 11/17/2014 11/24/2013
Vursing Homes Vursing Homes Public Schools Paycare Schools Daycare Centers Flood Zones VWI JSGS 7.5' Topographic Map	Sensitive Receptor: Nursing Homes Sensitive Receptor: Public Schools Sensitive Receptor: Private Schools Sensitive Receptor: Child Care Facility List 100-year and 500-year flood zones National Wetlands Inventory Scanned Digital USGS 7.5' Topographic Map (DRG)	National Institutes of Health National Center for Education Statistics National Center for Education Statistics Department of Human Resources Emergency Management Agency (FEMA) U.S. Fish and Wildlife Service USGS			

# STREET AND ADDRESS INFORMATION

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

#### TARGET PROPERTY ADDRESS

UNDEVELOPED PROPERTY W VICTORY RD & S WATER ST HENDERSON, NV 89015

#### TARGET PROPERTY COORDINATES

Latitude (North):	36.0356 - 36° 2' 8.16''
Longitude (West):	114.9868 - 114° 59' 12.48''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	681379.2
UTM Y (Meters):	3989571.5
Elevation:	1904 ft. above sea level

#### USGS TOPOGRAPHIC MAP

Target Property Map:	36114-A8 HENDERSON, NV
Most Recent Revision:	1983
West Map:	36115-A1 LAS VEGAS SE, NV
Most Recent Revision:	1984

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

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

- Groundwater flow direction, and
   Groundwater flow velocity.

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

#### **GROUNDWATER FLOW DIRECTION INFORMATION**

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

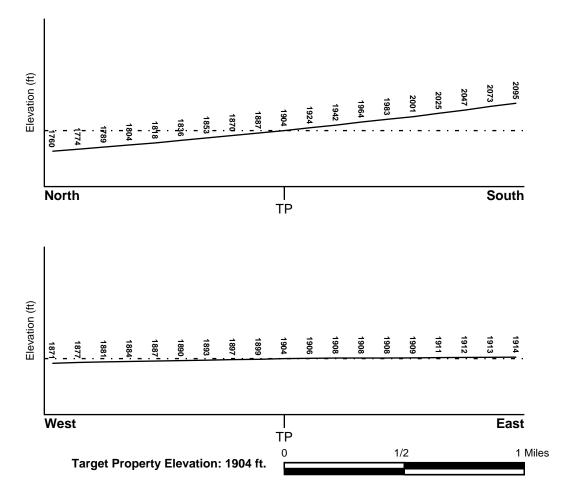
#### **TOPOGRAPHIC INFORMATION**

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

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

#### 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

Ν

Target Property County CLARK, NV	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	32003C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported
NATIONAL WETLAND INVENTORY	NWI Electronic
NWI Quad at Target Property HENDERSON	<u>Data Coverage</u> YES - refer to the Overview Map and Detail Map

#### HYDROGEOLOGIC INFORMATION

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

#### Site-Specific Hydrogeological Data\*:

Search Radius:	1.25 miles
Location Relative to TP:	1/4 - 1/2 Mile NE
Site Name:	HENDERSON LANDFILL
Site EPA ID Number:	NV1141190024
Groundwater Flow Direction:	INTO THE WASH.
Measured Depth to Water:	not available.
Hydraulic Connection:	Detailed hydraulic connection information is not available. Historical recharge of the near-surface aquifer was via leakage from deeper artesian aquifers, but discharge to the near-surface aquifer from
	surface infiltration has increased.
Sole Source Aquifer: Data Quality:	No information about a sole source aquifer is available Information is inferred in the CERCLIS investigation report(s)

#### **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

MAP ID Not Reported LOCATION

FROM TP

GENERAL DIRECTION GROUNDWATER FLOW

#### **GROUNDWATER FLOW VELOCITY INFORMATION**

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

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

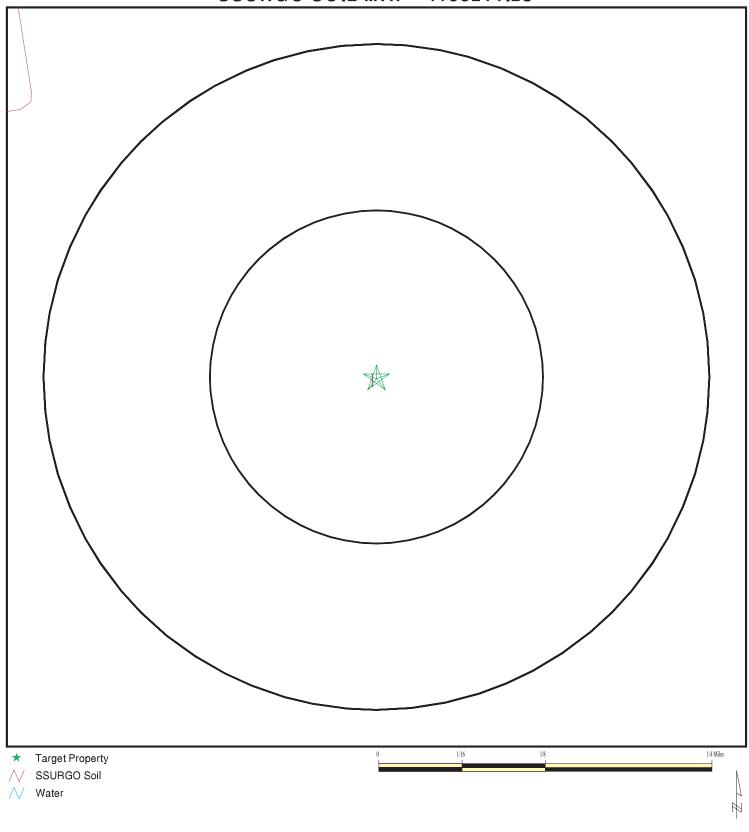
Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### **GEOLOGIC AGE IDENTIFICATION**

Era: Svstem:	Cenozoic Category: Stratifed Sequence Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

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



SITE NAME:	Undeveloped Property
ADDRESS:	W VICTORY RD & S WATER ST
	Henderson NV 89015
LAT/LONG:	36.0356 / 114.9868

#### 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:	Caliza
Soil Surface Texture:	very gravelly sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status: Unknown	
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information						
	Bou	Indary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	3 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	3 inches	16 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 8.4 Min: 7.9
3	16 inches	59 inches	sr to very gravelly coarse sand to loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.9

#### LOCAL / REGIONAL WATER AGENCY RECORDS

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

#### WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

#### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
39	USGS40000751850	1/2 - 1 Mile West
H41	USGS40000751875	1/2 - 1 Mile NW
H42	USGS40000751871	1/2 - 1 Mile NW
43	USGS40000751888	1/2 - 1 Mile NNW
44	USGS40000751889	1/2 - 1 Mile NW
K54	USGS40000751872	1/2 - 1 Mile NW
N61	USGS40000751870	1/2 - 1 Mile NW
K63	USGS40000751883	1/2 - 1 Mile NW
O64	USGS40000751886	1/2 - 1 Mile NW
N67	USGS40000751865	1/2 - 1 Mile WNW
R72	USGS40000751884	1/2 - 1 Mile NW
Q75	USGS40000751842	1/2 - 1 Mile WSW
R77	USGS40000751881	1/2 - 1 Mile NW
78	USGS40000751866	1/2 - 1 Mile WNW
T79	USGS40000751859	1/2 - 1 Mile WNW
80	USGS40000751882	1/2 - 1 Mile WNW
U81	USGS40000751867	1/2 - 1 Mile WNW
U91	USGS40000751876	1/2 - 1 Mile WNW
94	USGS40000751864	1/2 - 1 Mile WNW

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No PWS System Found		

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

#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	NV4000000003546	1/8 - 1/4 Mile NNW
A2	NV400000003547	1/8 - 1/4 Mile NNW

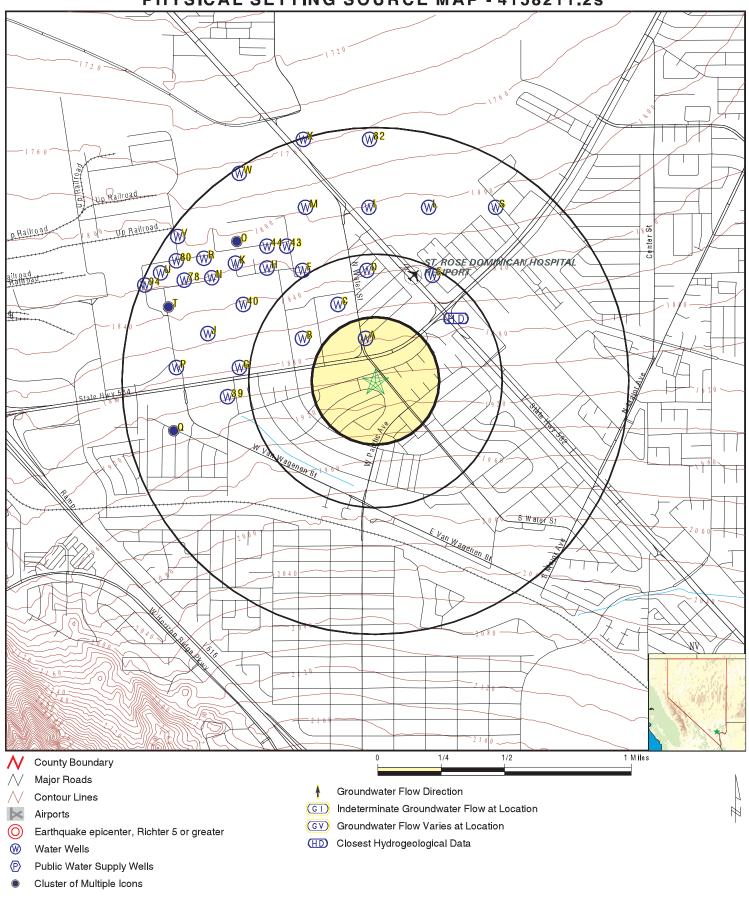
#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A3	NV400000003548	1/8 - 1/4 Mile NNW
A4	NV400000003545	1/8 - 1/4 Mile NNW
A5	NV400000003542	1/8 - 1/4 Mile NNW
A6	NV400000003543	1/8 - 1/4 Mile NNW
A7	NV400000003544	1/8 - 1/4 Mile NNW
A8	NV400000003549	1/8 - 1/4 Mile NNW
A9	NV400000003554	1/8 - 1/4 Mile NNW
A9 A10	NV400000003555	1/8 - 1/4 Mile NNW
A11	NV400000003556	1/8 - 1/4 Mile NNW
A12	NV400000003553	1/8 - 1/4 Mile NNW
A12 A13	NV400000003550	1/8 - 1/4 Mile NNW
A14	NV400000003551	1/8 - 1/4 Mile NNW
A15	NV400000003552	1/8 - 1/4 Mile NNW
B16	NV400000003540	1/4 - 1/2 Mile WNW
B17	NV400000003541	1/4 - 1/2 Mile WNW
C18	NV400000003589	1/4 - 1/2 Mile NNW
C19	NV400000003588	1/4 - 1/2 Mile NNW
C20	NV400000003591	1/4 - 1/2 Mile NNW
C21	NV400000003590	1/4 - 1/2 Mile NNW
D22	NV400000003765	1/4 - 1/2 Mile North
D23	NV400000003763	1/4 - 1/2 Mile North
D24	NV400000003764	1/4 - 1/2 Mile North
E25	NV400000003752	1/4 - 1/2 Mile NNE
E26	NV400000003751	1/4 - 1/2 Mile NNE
E27	NV400000003753	1/4 - 1/2 Mile NNE
E28	NV400000003755	1/4 - 1/2 Mile NNE
E29	NV400000003754	1/4 - 1/2 Mile NNE
F30	NV400000003758	1/2 - 1 Mile NNW
F31	NV400000003757	1/2 - 1 Mile NNW
F32	NV400000003756	1/2 - 1 Mile NNW
F33	NV400000003759	1/2 - 1 Mile NNW
F34	NV400000003762	1/2 - 1 Mile NNW
F35	NV400000003761	1/2 - 1 Mile NNW
F36	NV400000003760	1/2 - 1 Mile NNW
G37	NV400000003393	1/2 - 1 Mile West
G38	NV400000003394	1/2 - 1 Mile West
40	NV400000003587	1/2 - 1 Mile WNW
145	NV400000004023	1/2 - 1 Mile North
146	NV400000004022	1/2 - 1 Mile North
147	NV400000004021	1/2 - 1 Mile North
148	NV400000004026	1/2 - 1 Mile North
149	NV400000004025	1/2 - 1 Mile North
150	NV400000004024	1/2 - 1 Mile North
150	NV400000004020	1/2 - 1 Mile North
J52	NV400000003560	1/2 - 1 Mile WNW
J53	NV400000003561	1/2 - 1 Mile WNW
L55	NV400000003581	1/2 - 1 Mile NNE
L55 L56		1/2 - 1 Mile NNE
	NV400000004028	
L57	NV400000004029	1/2 - 1 Mile NNE
M58	NV400000004017	1/2 - 1 Mile NNW
M59	NV400000004018	1/2 - 1 Mile NNW
M60	NV400000004019	1/2 - 1 Mile NNW

#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M62	NV4000000004016	1/2 - 1 Mile NNW
O65	NV40000003876	1/2 - 1 Mile NW
O66	NV400000003877	1/2 - 1 Mile NW
P68	NV400000003391	1/2 - 1 Mile West
P69	NV400000003392	1/2 - 1 Mile West
Q70	NV400000003116	1/2 - 1 Mile WSW
Q71	NV400000003117	1/2 - 1 Mile WSW
S73	NV400000004030	1/2 - 1 Mile NE
S74	NV400000004031	1/2 - 1 Mile NE
T76	NV400000003586	1/2 - 1 Mile WNW
82	NV400000004279	1/2 - 1 Mile North
V83	NV400000003873	1/2 - 1 Mile NW
V84	NV400000003874	1/2 - 1 Mile NW
V85	NV400000003875	1/2 - 1 Mile NW
V86	NV400000003869	1/2 - 1 Mile NW
V87	NV400000003868	1/2 - 1 Mile NW
V88	NV400000003870	1/2 - 1 Mile NW
V89	NV400000003872	1/2 - 1 Mile NW
V90	NV400000003871	1/2 - 1 Mile NW
W92	NV400000004138	1/2 - 1 Mile NNW
W93	NV400000004139	1/2 - 1 Mile NNW
X95	NV400000004278	1/2 - 1 Mile NNW
X96	NV400000004275	1/2 - 1 Mile NNW
X97	NV400000004274	1/2 - 1 Mile NNW
X98	NV400000004277	1/2 - 1 Mile NNW
X99	NV400000004276	1/2 - 1 Mile NNW

**PHYSICAL SETTING SOURCE MAP - 4158211.2s** 



Map ID Direction Distance Elevation	Database	EDR ID Number
A1 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003546
A2 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003547
A3 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003548
A4 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003545
A5 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003542
A6 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003543
A7 NNW 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003544
A8 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003549

Map ID Direction Distance Elevation	Database	EDR ID Number
A9 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003554
A10 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003555
A11 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003556
A12 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003553
A13 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003550
A14 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003551
A15 NNW <u>Click here for full text details</u> 1/8 - 1/4 Mile Lower	NV WELLS	NV400000003552
B16 WNW <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003540
B17 WNW 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003541 Page: 2

Map ID Direction Distance Elevation	Database	EDR ID Number
C18 NNW <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003589
C19 NNW <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003588
C20 NNW <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003591
C21 NNW <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003590
D22 North <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003765
D23 North <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003763
D24 North <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003764
E25 NNE <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003752
E26 NNE <u>Click here for full text details</u> 1/4 - 1/2 Mile Lower	NV WELLS	NV400000003751 Page: 3

Map ID Direction Distance Elevation		Database	EDR ID Number
E27 NNE 1/4 - 1/2 Mile Lower	Click here for full text details	NV WELLS	NV400000003753
E28 NNE 1/4 - 1/2 Mile Lower	Click here for full text details	NV WELLS	NV400000003755
E29 NNE 1/4 - 1/2 Mile Lower	Click here for full text details	NV WELLS	NV400000003754
F30 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003758
F31 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003757
F32 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003756
F33 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003759
F34 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003762
F35 NNW 1/2 - 1 Mile Lower	<u>Click here for full text details</u>	NV WELLS	<b>NV400000003761</b> Page: 4

Map ID Direction Distance Elevation		Database	EDR ID Number
F36 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003760
G37 West 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003393
G38 West 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003394
39 West 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751850
40 WNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003587
H41 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751875
H42 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751871
43 NNW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751888
44 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	<b>USGS40000751889</b> Page: 5

Map ID Direction Distance Elevation		Database	EDR ID Number
I45 North 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004023
l46 North 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004022
l47 North 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004021
I48 North 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004026
l49 North 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004025
I50 North 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004024
I51 North 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004020
J52 WNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003560
J53 WNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	<b>NV400000003561</b> Page: 6

Map ID Direction Distance Elevation		Database	EDR ID Number
K54 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751872
L55 NNE 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004027
L56 NNE 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004028
L57 NNE 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004029
M58 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004017
M59 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004018
M60 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004019
N61 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751870
M62 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	<b>NV400000004016</b> Page: 7

Map ID Direction Distance Elevation		Database	EDR ID Number
K63 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751883
O64 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751886
065 NW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003876
O66 NW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003877
N67 WNW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751865
P68 West 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003391
P69 West 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003392
Q70 WSW 1/2 - 1 Mile Higher	Click here for full text details	NV WELLS	NV400000003116
Q71 WSW 1/2 - 1 Mile Higher	Click here for full text details	NV WELLS	NV400000003117 Page: 8

Map ID Direction Distance Elevation		Database	EDR ID Number
R72 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751884
S73 NE 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004030
S74 NE 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004031
Q75 WSW 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000751842
T76 WNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003586
R77 NW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751881
78 WNW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751866
T79 WNW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751859
80 WNW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	<b>USGS40000751882</b> Page: 9

Map ID Direction Distance Elevation		Database	EDR ID Number
U81 WNW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751867
82 North 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004279
V83 NW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003873
V84 NW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003874
V85 NW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003875
V86 NW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003869
V87 NW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003868
V88 NW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003870
V89 NW 1/2 - 1 Mile Lower	Click here for full text details	<b>NV WELLS</b> Pa	<b>NV400000003872</b> age: 10

Map ID Direction Distance Elevation		Database	EDR ID Number
V90 NW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000003871
U91 WNW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751876
W92 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004138
W93 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004139
94 WNW 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000751864
X95 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004278
X96 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004275
X97 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	NV400000004274
X98 NNW 1/2 - 1 Mile Lower	Click here for full text details	NV WELLS	<b>NV4000000004277</b> Page: 11

Map ID Direction Distance Elevation

Database EDR ID Number

X99 NNW <u>Click here for full text details</u> 1/2 - 1 Mile Lower

NV WELLS NV400000004276

### AREA RADON INFORMATION

State Database: NV Radon

Radon Test Results

# Tests	# < 4 pci/L	# > 4 pCi/L	% > 4 pCi/L	Average	Max
11	10	1	9.09	2.22	9.9

### Federal EPA Radon Zone for CLARK County: 3

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: 89015

Number of sites tested: 9

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.256 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.400 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

#### HYDROLOGIC INFORMATION

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

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

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

#### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

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

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

#### STATE RECORDS

Nevada Well Log Database Source: Dept of Conservation and Natural Resources, Division of Water Resources Telephone: 775-687-4380

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

Oil and Gas Well Database Source: Nevada Bureau of Mines and Geology Telephone: 775-784-6691 Oil and gas well location in the state of Nevada.

#### RADON

State Database: NV Radon Source: State Health Division Telephone: 775-687-7531 Radon Test Results By Zip Code

Area Radon Information

Source: USGS Telephone: 703-356-4020

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

EPA Radon Zones Source: EPA

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

#### OTHER

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

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

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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# APPENDIX G

Vapor Encroachment Screen

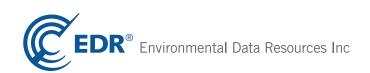
# **Undeveloped Property**

W VICTORY RD & S WATER ST Henderson, NV 89015

Inquiry Number: 4158211.6s January 9, 2015

# **EDR Vapor Encroachment Screen**

Prepared using EDR's Vapor Encroachment Worksheet



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

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Secondary Map	3
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*Thank you for your business.* Please contact EDR at 1-800-352-0050 with any questions or comments.

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

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600-10).

		Su	nmar	У
STANDARD ENVIRONMENTAL RECORDS	Maximum Search Distance*	property	1/10	1/10 - 1/3
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	0	-	-
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	-	-
State and tribal - equivalent NPL	not searched	-	-	-
State and tribal - equivalent CERCLIS	0.333	0	1	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	2	0
State and tribal registered storage tank lists	property	0	-	-
State and tribal institutional control / engineering control registries	not searched	-	-	-
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfields sites	0.333	0	0	0
Other Standard Environmental Records	0.333	0	0	0

### **HISTORICAL USE RECORDS**

Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.25	0	0	1
Historical Dry Cleaners	0.25	0	2	1
Exclusive Recovered Govt. Archives	property	0	-	-

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

Cummon

### TARGET PROPERTY INFORMATION

### ADDRESS

UNDEVELOPED PROPERTY W VICTORY RD & S WATER ST HENDERSON, NV 89015

### COORDINATES

Latitude (North):	36.0356 - 36° 2′ 8.155518″
Longitude (West):	114.9868 - 114° 59′ 12.484131″
Elevation:	1904 ft. above sea level

### PHYSICAL SETTING INFORMATION

Flood Zone:

NWI Wetlands:

Available 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:	Caliza
Soil Surface Texture:	very gravelly sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained
Hydric Status:	Unknown
Corrosion Potential - Uncoated Steel:	High
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches

	Soil Layer Information								
	Boundary			Classification		Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)		
1	0 inches	3 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 8.4 Min: 7.9		

	Soil Layer Information								
	Boundary			Classification		Saturated hydraulic			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)		
2	3 inches	16 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 8.4 Min: 7.9		
3	16 inches	59 inches	sr to very gravelly coarse sand to loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 8.4 Min: 7.9		

### Soil Map ID: 2

Soil Component Name:	Urban land
Soil Surface Texture:	very gravelly sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class: Hydric Status:	Unknown
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 0 inches
Depth to Watertable Min:	> 0 inches
No Layer Information available.	

## SEARCH RESULTS

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

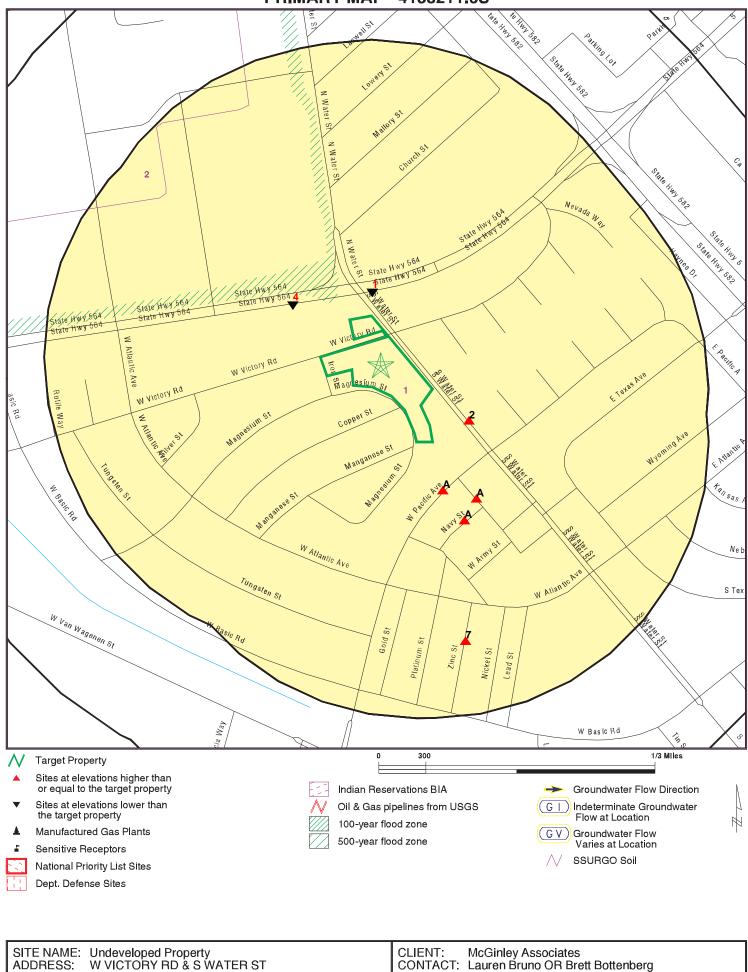
### STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
TEXACO STATION #0675 , APN 179-18-201-001 LUST: State and tribal leaking storage tank lists	3 EAST LAKE MEAD DRIVE	<1/10 N	▼1	10
ALLEYWAY SHWS: State and tribal - equivalent CERCLIS	38 WATER STREET	<1/10 ESE	▲ 2	12
SHELL STATION (FORMER)/JIM HANILY PROP. LUST: State and tribal leaking storage tank lists	65 WEST LAKE MEAD DRIVE	<1/10 NW	▼4	14

### HISTORICAL USE RECORDS

Name	Address	Dist/Dir	Map ID	Page
16 W PACIFIC AVE EDR US Hist Cleaners: Historical Dry Cleaners	16 W PACIFIC AVE	<1/10 SSE	▲ A3	13
HENDERSON CLNRS EDR US Hist Cleaners: Historical Dry Cleaners	112 MARKET ST	<1/10 SE	▲ A5	15
38 NAVY ST EDR US Hist Auto Stat: Historical Gas Stations	38 NAVY ST	1/10 - 1/3 SSE	▲ A6	16
234 ZINC ST EDR US Hist Cleaners: Historical Dry Cleaners	234 ZINC ST	1/10 - 1/3 SSE	▲ 7	17

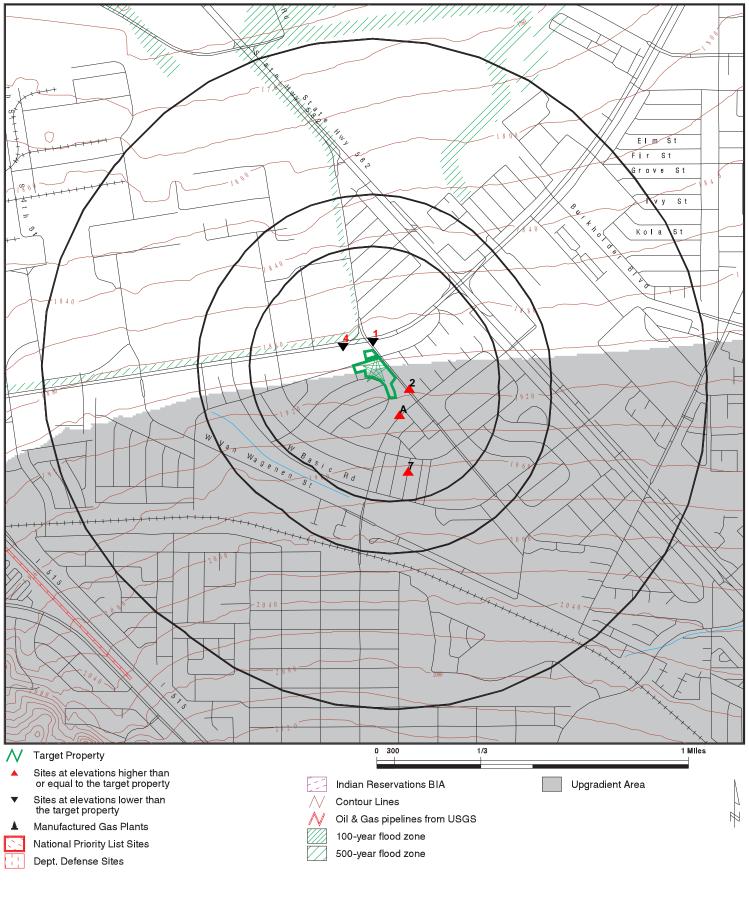
# **PRIMARY MAP - 4158211.6S**



ADDRESS.	
	Henderson NV 89015
LAT/LONG:	36.0356 / 114.9868

CLIENT: McGinley Associates CONTACT: Lauren Bruno OR Brett Bottenberg INQUIRY #: 4158211.6s DATE: December 11, 2014 1:09 pm Copyright © 2014 EDR, Inc. © 2010 Tek Atlas Rel. 07/2009.

## SECONDARY MAP - 4158211.6S



ADDRESS:	Henderson NV 89015	CLIENT: McGinley Associates CONTACT: Lauren Bruno OR Brett Bottenberg INQUIRY #: 4158211.6s DATE: December 11, 2014 1:08 pm	
-		Copyright @ 2014 EDB Inc. @ 2010 Tele Atlas Bel 07/2009	

# **AERIAL PHOTOGRAPHY - 4158211.6s**



SITE NAME: Undeveloped Property ADDRESS: W VICTORY RD & S WATER ST Henderson NV 89015 LAT/LONG: 36.0356 / 114.9868 

 CLIENT:
 McGinley Associates

 CONTACT:
 Lauren Bruno OR Brett Bottenberg

 INQUIRY #:
 4158211.6s

 DATE:
 December 11, 2014 1:09 pm

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MAP FINDINGS

### LEGEND

▼ MAP ID#	Direction Distance Range Relative Elevation	(Distance feet / miles) Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization,
Worksheet:		reel Above Sea Level	see the section of the report Records Searched and Currency.
worksneet:			

Comments may be added on the online Vapor Encroachment Worksheet.

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

TEXACO STATION #0675 , APN 179-18-201-001 3 EAST LAKE MEAD DRIVE, HENDERSON, NV, 89015		S103875984	
_ 1	N <1/10	(154 ft. / 0.029 mi.)	State and tribal leaking storage tank lists
▼ 1	14 ft. Lower Elevation	1890 ft. Above Sea Level	

Worksheet:

### Impact on Target Property: VEC Can Be Ruled Out

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

The hydrologic characteristics of the physical setting suggests that vapors would not migrate from the source to the target property. **Conditions:** 

Petroleum Hydrocarbon Chemicals of Concern: YES

Groundwater Flow Gradient:

Downgradient: YES

Experience: YES

## LUST: State and tribal leaking storage tank lists

Facility ID:	[ <u> </u>
Program:	LUST
Type of Media Impacted:	Soil
Event:	Not Reported
Contaminant:	Gasoline
Closure Date:	08/03/2001
Closure Type:	Clean w/ Remed
Date Reported to NDEP:	7/6/2001
Flag:	CLOSED
NDEP Case Officer:	spiper
Location of Paper File:	NDEP: LV-Storage
Facility ID:	8-001824
Program:	LUST
Type of Media Impacted:	Soil

## TEXACO STATION #0675 , APN 179-18-201-001, 3 EAST LAKE MEAD DRIVE, HENDERSON, NV 89015 (Continued)

Event: Contaminant: Closure Date: Closure Type: Date Reported to NDEP: Flag: NDEP Case Officer:	Investigation Gasoline Not Reported Not Reported 10/18/2012 ACTIVE ksulliva
Location of Paper File:	NDEP: Carson City
Facility ID:	8-000682
Program:	LUST
Type of Media Impacted:	_
Event:	Not Reported
Contaminant:	_
Closure Date:	11/28/1995
Closure Type:	_
Date Reported to NDEP:	12/31/1899
Flag:	CLOSED
NDEP Case Officer:	cchd
Location of Paper File:	CCHD: Las Vegas

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Contaminant:

ALLEYWAY 38 WATER STREE	T, HENDERSON, NV,		S103877298
	ESE <1/10	(249 ft. / 0.047 mi.)	State and tribal - equivalent CERCLIS
▲ 2	14 ft. Higher Elevation	1918 ft. Above Sea Level	
Worksheet:	•		
	perty: VEC Can Be Ruled ( s of concern are not likely to		
Petroleum Hydrocarl Groundwater Flow Gr	bon Chemicals of Concern: radient:	YES	
Crossgradient: YES			
Hydrogeologically: Y	ES		
Topographically: YE	S		
SHWS: State and triba	I - equivalent CERCLIS		
Facility ID:	L	ਸ-001309	
Date Release Re	ported to NDEP:	7/21/1998	
Program:		_	
NDEP Case Offic	cer:	arushana	
Location of Pape	r File:	NDEP: Las Vegas	
Type of Media Im	pacted:	_	
Event:		Not Reported	
Date of Closure	:	07/30/1998	
Regulatory Type	of Closure:	Other	

Diesel; 50 gal. from saddle tank; removed from asphalt

16 W PACIFIC AVE 16 W PACIFIC AVE	, HENDERSON, NV, 89015		1014999841
	SSE <1/10	(323 ft. / 0.061 mi.)	Historical Dry Cleaners
▲ A3	26 ft. Higher Elevation	1930 ft. Above Sea Level	

### Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

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

Chemicals of Concern: YES

### Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

# EDR Historical Cleaners: Historical Dry Cleaners

Name:	21ST CENTURY CARPET CLEANERS
Year:	2004
Address:	16 W PACIFIC AVE

SHELL STATION (FORMER)/JIM HANILY PROP. 65 WEST LAKE MEAD DRIVE, HENDERSON, NV, 89015		S103877948	
	NW <1/10	(377 ft. / 0.071 mi.)	State and tribal leaking storage tank lists
▼ 4	17 ft. Lower Elevation	1887 ft. Above Sea Level	

### Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

**Comments:** The source is not within the area of concern, based on its distance, gradient and suspected chemical of concern. **Conditions:** 

Petroleum Hydrocarbon Chemicals of Concern: YES

Groundwater Flow Gradient:

Downgradient: YES

Topographically: YES

### LUST: State and tribal leaking storage tank lists

Facility ID:	H-000495
Program:	LUST
Type of Media Impacted:	Soil & Ground Water
Event:	Not Reported
Contaminant:	Gasoline; historical release
Closure Date:	11/10/1999
Closure Type:	NAC 459.9977
Date Reported to NDEP:	10/10/1994
Flag:	CLOSED
NDEP Case Officer:	arushana
Location of Paper File:	NDEP: LV-Storage

MAP FINDINGS

HENDERSON CLNRS 112 MARKET ST, LAS VEGAS, NV,		1009334197	
▲ A5	SE <1/10	(462 ft. / 0.088 mi.)	Historical Dry Cleaners
	29 ft. Higher Elevation	1933 ft. Above Sea Level	

### Worksheet:

### Impact on Target Property: VEC Can Be Ruled Out

**Comments:** The source is crossgradient. The distance between the source and the target property is greater than the critical distance plus a factor to account for plume width.

### Conditions:

Chemicals of Concern: YES

### **Groundwater Flow Gradient:**

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

# EDR Historical Cleaners: Historical Dry Cleaners

Name:	HENDERSON CLNRS
Year:	1970
Туре:	DRY CLEANERS

38 NAVY ST 38 NAVY ST, HENDERSON, NV, 89015		1015457901	
▲ A6	SSE 1/10 - 1/3	(546 ft. / 0.103 mi.)	Historical Gas Stations
	33 ft. Higher Elevation	1937 ft. Above Sea Level	

### Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

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

Petroleum Hydrocarbon Chemicals of Concern: YES

### Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

### EDR Historical Auto Stations: Historical Gas Stations

Name:	THE MUFFLER SHOP INC
Year:	2001
Address:	38 NAVY ST
Name:	THE MUFFLER SHOP INC
Year:	2002
Address:	38 NAVY ST
Name:	MUFFLER SHOP THE
Year:	2005
Address:	38 NAVY ST
Name:	MUFFLER SHOP THE
Year:	2006
Address:	38 NAVY ST

234 ZINC ST 234 ZINC ST, HEN	IDERSON, NV, 89015		1015024306
▲ 7	SSE 1/10 - 1/3	(1293 ft. / 0.245 mi.)	Historical Dry Cleaners
	60 ft. Higher Elevation	1964 ft. Above Sea Level	

### Worksheet:

Impact on Target Property: VEC Can Be Ruled Out

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

Chemicals of Concern: YES

### Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

# EDR Historical Cleaners: Historical Dry Cleaners $\blacksquare$

Name:	PRICES CARPET CLEANING
Year:	2003
Address:	234 ZINC ST

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 Last EDR Contact :09/30/2014 Source: EPA Telephone: 202-564-6023

#### 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 for informing the public and response agencies (e.g. the fire department) should an accident occur.

Date of Government Version: 08/01/2014 Number of Days to Update: 86 Last EDR Contact :10/27/2014

Source: Environmental Protection Agency Telephone: 202-564-8600

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: 03/31/2011 Number of Days to Update: 43 Last EDR Contact :09/22/2014 Source: Division of Environmental Protection Telephone: 775-687-9359

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: 04/16/2014 Number of Days to Update: 13 Last EDR Contact :09/24/2014 Source: Department of Conservation and Natural Resources Telephone: 775-687-5872

#### BROWNFIELDS: Project Tracking Database

Standard Environmental Record Source: State and tribal Brownfields sites

#### Search Distance: 0.333 Mile

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

Date of Government Version: 04/16/2014 Number of Days to Update: 14 Last EDR Contact :09/24/2014 Source: Division of Environmental Protection Telephone: 775-687-9384

COAL ASH: Coal Ash Disposal Sites

Standard Environmental Record Source: Other Standard Environmental Records Search Distance: 0.333 Mile

A listing of coal ash plants.

Date of Government Version: 10/02/2013 Number of Days to Update: 29 Last EDR Contact :12/01/2014 Source: Division of Environmental Protection Telephone: 775-687-9477

#### Financial Assurance 1: Financial Assurance Information Listing

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

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

Date of Government Version: 12/28/2010 Number of Days to Update: 35 Last EDR Contact :09/22/2014 Source: Department of Environmental Protection Telephone: 775-687-9465

#### Financial Assurance 2: Financial Assurance Information

Standard Environmental Record Source: Other Standard Environmental Records Solid waste facility financial assurance information.

Date of Government Version: 06/02/2014 Number of Days to Update: 29 Last EDR Contact :12/01/2014 Source: Division of Environmental Protection Telephone: 775-687-9477

#### HMRI: Hazardous Materials Repository Information Data

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

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

Date of Government Version: 08/05/2008 Number of Days to Update: 8 Last EDR Contact :11/17/2014 Source: State Emergency Response Commission Telephone: 775-687-6973

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.

Date of Government Version: 04/16/2014 Number of Days to Update: 14 Last EDR Contact :09/24/2014 Source: Department of Conservation and Natural Resources Telephone: 775-687-5872

NPDES: Permitted Facility Listing Standard Environmental Record Source: Other Standard Environmental Records Search Distance: Property

A listing of permitted wastewater facilities.

Date of Government Version: 07/09/2014 Number of Days to Update: 32 Last EDR Contact :09/22/2014 Source: Department of Environmental Protection Telephone: 775-687-9414

SHWS: Sites Database

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

A listing of correction action sites.

Date of Government Version: 04/16/2014 Number of Days to Update: 14 Last EDR Contact :09/24/2014 Source: Department of Conservation and Natural Resources Telephone: 775-687-5872

#### SWF/LF: Landfill List

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

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/07/2014 Number of Days to Update: 27 Last EDR Contact :12/01/2014

#### SWRCY: Recycling Information Listing

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

A listing of recycling facilities in Nevada.

Date of Government Version: 06/03/2014 Number of Days to Update: 35 Last EDR Contact :11/17/2014 Source: Department of Conservation and Natural Resources Telephone: 775-687-5872

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

UST: Underground Storage Tank List

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

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/16/2014 Number of Days to Update: 13 Last EDR Contact :09/24/2014	Source: Department of Conservation and Natural Resources Telephone: 775-687-5872		
VCP: Voluntary Cleanup Program Sites Standard Environmental Record Source: State and t Search Distance: 0.333 Mile	ribal voluntary cleanup sites		
The Voluntary Cleanup Program provides relief fro under the oversight of the Nevada Division of Envi	om liability to owners who undertake cleanups of contaminated properties ironmental Protection.		
Date of Government Version: 08/16/2011 Number of Days to Update: 15 Last EDR Contact :09/26/2014	Source: Department of Conservation & Natural Resources Telephone: 775-687-9381		
Washoe Co. UST: Underground Storage Tank in Wash Standard Environmental Record Source: State and t A listing of underground storage tank sites located in	ribal registered storage tank lists		
Date of Government Version: 06/27/2014 Number of Days to Update: 42 Last EDR Contact :09/29/2014	Source: Washoe County Department of Environmental Health Telephone: 775-328-2493		
<b>2020 COR ACTION</b> : 2020 Corrective Action Program Li Standard Environmental Record Source: Other Stan Search Distance: 0.25 Mile			
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.			
Date of Government Version: 11/11/2011	Source: Environmental Protection Agency		
Number of Days to Update: 7 Last EDR Contact :11/14/2014	Telephone: 703-308-4044		
<b>CERCLIS</b> : Comprehensive Environmental Response, C Standard Environmental Record Source: Federal CE Search Distance: 0.333 Mile			
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.			
Date of Government Version: 10/25/2013	Source: EPA		
Number of Days to Update: 94 Last EDR Contact :11/24/2014	Telephone: 703-412-9810		
CERCLIS-NFRAP: CERCLIS No Further Remedial Acti	on Plannad		
Standard Environmental Record Source: Other Stan			
Search Distance: 0.333 Mile			

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

Date of Government Version: 10/25/2013 Number of Days to Update: 94 Last EDR Contact :11/24/2014 Source: EPA Telephone: 703-412-9810

COAL ASH DOE: Sleam-Electric Plan Operation Data

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

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

Date of Government Version: 12/31/2005 Number of Days to Update: 76 Last EDR Contact :10/17/2014 Source: Department of Energy Telephone: 202-586-8719

**COAL ASH EPA**: Coal Combustion Residues Surface Impoundments List Standard Environmental Record Source: Other Standard Environmental Records Search Distance: 0.333 Mile

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

Date of Government Version: 07/01/2014 Number of Days to Update: 40 Last EDR Contact :09/10/2014 Source: Environmental Protection Agency Telephone: Not Reported

**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: 12/31/2013 Number of Days to Update: 31 Last EDR Contact :09/30/2014 Source: Department of Justice, Consent Decree Library Telephone: Varies

CORRACTS: Corrective Action Report

Standard Environmental Record Source: Federal RCRA CORRACTS facilities list Search Distance: 0.333 Mile

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/10/2014 Number of Days to Update: 78 Last EDR Contact :11/07/2014 Source: EPA Telephone: 800-424-9346

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 Number of Days to Update: 137 Last EDR Contact :10/24/2014 Source: EPA, Region 9 Telephone: 415-947-4219

#### **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: 09/29/2014 Number of Days to Update: 40 Last EDR Contact :10/08/2014 Source: EPA Telephone: Not Reported

### 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 Number of Days to Update: 42 Last EDR Contact :11/04/2014 Source: Department of Transporation, Office of Pipeline Safety Telephone: 202-366-4595

#### EPA WATCH LIST: EPA WATCH LIST

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

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

Date of Government Version: 08/30/2013 Number of Days to Update: 88 Last EDR Contact :11/14/2014 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: 09/29/2014 Number of Days to Update: 37 Last EDR Contact :09/30/2014 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 :10/10/2014 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: 08/16/2014 Number of Days to Update: 40 Last EDR Contact :12/09/2014 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 :11/19/2014 Source: EPA/Office of Prevention, Pesticides and Toxic Substances Telephone: 202-566-1667

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

Standard Environmental Record Source: Other Standard Environmental Records A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Number of Days to Update: 25 Last EDR Contact :11/19/2014 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: 06/06/2014 Number of Days to Update: 8 Last EDR Contact :09/10/2014 Source: U.S. Army Corps of Engineers Telephone: 202-528-4285

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 10/19/2006 Number of Days to Update: 40 Last EDR Contact :12/17/2007 Source: Environmental Protection Agency Telephone: 202-564-2501

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: 09/30/2014 Number of Days to Update: 36 Last EDR Contact :10/01/2014 Source: U.S. Department of Transportation Telephone: 202-366-4555

ICIS: Integrated Compliance Information System

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

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

Date of Government Version: 07/31/2014 Number of Days to Update: 8 Last EDR Contact :10/10/2014 Source: Environmental Protection Agency Telephone: 202-564-5088

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: 02/01/2013 Number of Days to Update: 184 Last EDR Contact :10/31/2014 Source: EPA Region 1 Telephone: 617-918-1313

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land Standard Environmental Record Source: State and tribal leaking storage tank lists LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/20/2014 Number of Days to Update: 73 Last EDR Contact :10/27/2014 Source: EPA Region 10 Telephone: 206-553-2857

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: 07/30/2014

Source: EPA Region 4

Number of Days to Update: 10 Last EDR Contact :10/27/2014 Telephone: 404-562-8677

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land Standard Environmental Record Source: State and tribal leaking storage tank lists Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/03/2014 Number of Days to Update: 12 Last EDR Contact :10/27/2014 Source: EPA, Region 5 Telephone: 312-886-7439

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land Standard Environmental Record Source: State and tribal leaking storage tank lists LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/06/2014 Number of Days to Update: 19 Last EDR Contact :10/27/2014 Source: EPA Region 6 Telephone: 214-665-6597

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land Standard Environmental Record Source: State and tribal leaking storage tank lists LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014 Number of Days to Update: 27 Last EDR Contact :10/27/2014 Source: EPA Region 7 Telephone: 913-551-7003

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land Standard Environmental Record Source: State and tribal leaking storage tank lists LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/04/2014 Number of Days to Update: 10 Last EDR Contact :10/27/2014 Source: EPA Region 8 Telephone: 303-312-6271

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land Standard Environmental Record Source: State and tribal leaking storage tank lists LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013 Number of Days to Update: 42 Last EDR Contact :10/27/2014 Source: Environmental Protection Agency Telephone: 415-972-3372

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Standard Environmental Record Source: Other Standard Environmental Records Search Distance: 0.333 Mile

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Number of Days to Update: 52 Last EDR Contact :10/29/2014 Source: Environmental Protection Agency Telephone: 703-308-8245

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: 02/01/2013 Number of Days to Update: 271 Last EDR Contact :10/31/2014 Source: EPA, Region 1 Telephone: 617-918-1313

#### INDIAN UST R10: Underground Storage Tanks on Indian Land

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

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

Date of Government Version: 05/20/2014 Number of Days to Update: 66 Last EDR Contact :10/27/2014 Source: EPA Region 10 Telephone: 206-553-2857

#### 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: 07/30/2014 Number of Days to Update: 10 Last EDR Contact :10/27/2014 Source: EPA Region 4 Telephone: 404-562-9424

#### 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: 11/03/2014 Number of Days to Update: 12 Last EDR Contact :10/27/2014 Source: EPA Region 5 Telephone: 312-886-6136

#### 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: 10/06/2014 Number of Days to Update: 8 Last EDR Contact :10/27/2014 Source: EPA Region 6 Telephone: 214-665-7591

#### 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: 08/20/2014 Number of Days to Update: 27 Last EDR Contact :10/27/2014 Source: EPA Region 7 Telephone: 913-551-7003

#### 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: 11/04/2014	S
Number of Days to Update: 10	Т
Last EDR Contact :10/27/2014	

Source: EPA Region 8 Telephone: 303-312-6137

#### 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: 08/14/2014 Number of Days to Update: 7 Last EDR Contact :10/27/2014 Source: EPA Region 9 Telephone: 415-972-3368

#### 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: 09/29/2014	Source: EPA, Region 1	
Number of Days to Update: 36	Telephone: 617-918-1102	
Last EDR Contact :10/01/2014		

#### INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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 Number of Days to Update: 27 Last EDR Contact :04/20/2009 Source: EPA, Region 7 Telephone: 913-551-7365

#### 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: 06/04/2014 Number of Days to Update: 46 Last EDR Contact :10/06/2014 Source: Environmental Protection Agency Telephone: 703-603-8787

#### 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 1931and 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 Number of Days to Update: 36 Last EDR Contact :12/02/2009 Source: American Journal of Public Health Telephone: 703-305-6451

#### 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 :10/27/2014 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: 08/29/2014 Number of Days to Update: 11 Last EDR Contact :11/17/2014 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: 07/22/2013 Number of Days to Update: 91 Last EDR Contact :12/04/2014 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: 09/29/2014 Number of Days to Update: 40 Last EDR Contact :10/08/2014 Source: EPA Telephone: Not Reported

#### NPL Site Boundaries

Sources:

EPA''s Environmental Photographic Interpretation Center (EPIC) Telephone: 202-566-0690

EPA Region 1 Telephone: 617-918-1102

EPA Region 2 Telephone: 212-637-4293

EPA Region 3 Telephone: 215-814-5418

EPA Region 4 Telephone: 404-562-8681

EPA Region 5 Telephone: 312-353-1063

EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6118

EPA Region 9 Telephone: 415-947-4579

EPA Region 10 Telephone: 206-553-4479

#### NPL LIENS: Federal Superfund Liens

Standard Environmental Record Source: Federal NPL Search Distance: Property

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

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

**ODI**: Open Dump Inventory

Standard Environmental Record Source: Other Standard Environmental Records 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

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 :10/15/2014 Source: EPA Telephone: 202-566-0500

Telephone: 800-424-9346

Source: Environmental Protection Agency

#### PCB TRANSFORMER: PCB Transformer Registration Database

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

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

Date of Government Version: 02/01/2011 Number of Days to Update: 83 Last EDR Contact :10/31/2014 Source: Environmental Protection Agency Telephone: 202-566-0517

#### Proposed NPL: Proposed National Priority List Sites

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

A site that has been proposed for listing on the NationalPriorities 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 therequirements for listing.

Date of Government Version: 09/29/2014 Number of Days to Update: 40 Last EDR Contact :10/08/2014 Source: EPA Telephone: Not Reported

#### **RAATS**: RCRA Administrative Action Tracking System

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

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

Date of Government Version: 04/17/1995 Number of Days to Update: 35 Last EDR Contact :06/02/2008 Source: EPA Telephone: 202-564-4104

#### RADINFO: Radiation Information Database

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

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

Date of Government Version: 10/07/2014 Number of Days to Update: 12 Last EDR Contact :10/08/2014 Source: Environmental Protection Agency Telephone: 202-343-9775

#### RCRA NonGen / NLR: RCRA - Non Generators

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 06/10/2014 Number of Days to Update: 78 Last EDR Contact :11/07/2014 Source: Environmental Protection Agency Telephone: 703-308-8895

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators Standard Environmental Record Source: Federal RCRA generators list Search Distance: Property

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

Date of Government Version: 06/10/2014 Number of Days to Update: 78 Last EDR Contact :11/07/2014 Source: Environmental Protection Agency Telephone: 703-308-8895

#### RCRA-LQG: RCRA - Large Quantity Generators

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

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

Date of Government Version: 06/10/2014 Number of Days to Update: 78 Last EDR Contact :11/07/2014 Source: Environmental Protection Agency Telephone: 703-308-8895

#### RCRA-SQG: RCRA - Small Quantity Generators

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

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

Date of Government Version: 06/10/2014 Number of Days to Update: 78 Last EDR Contact :11/07/2014 Source: Environmental Protection Agency Telephone: 703-308-8895

#### RCRA-TSDF: RCRA - Treatment, Storage and Disposal

Standard Environmental Record Source: Federal RCRA TSD facilities list Search Distance: 0.333 Mile

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

Date of Government Version: 06/10/2014 Number of Days to Update: 78 Last EDR Contact :11/07/2014 Source: Environmental Protection Agency Telephone: 703-308-8895

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

Number of Days to Update: 74 Last EDR Contact :09/09/2014 Telephone: 703-416-0223

Telephone: 615-532-8599

Source: Environmental Protection Agency

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: 0.333 Mile

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

Date of Government Version: 03/07/2011 Number of Days to Update: 54 Last EDR Contact :11/18/2014

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.

Source: EPA

Date of Government Version: 12/31/2009 Number of Days to Update: 77

Last EDR Contact :10/27/2014

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: 12/31/2011 Number of Days to Update: 44 Last EDR Contact :11/26/2014 Source: EPA Telephone: 202-566-0250

Telephone: 202-564-4203

#### 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: 12/31/2006 Number of Days to Update: 64 Last EDR Contact :09/26/2014 Source: EPA 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 Last EDR Contact :11/26/2014 Source: Department of Energy Telephone: 505-845-0011

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

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

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

Date of Government Version: 10/16/2014 Number of Days to Update: 17 Last EDR Contact :09/29/2014 Source: EPA Telephone: 202-564-2496

#### US AIRS MINOR: Air Facility System Data

Standard Environmental Record Source: Other Standard Environmental Records A listing of minor source facilities.

Date of Government Version: 10/16/2014 Number of Days to Update: 17 Last EDR Contact :09/29/2014 Source: EPA Telephone: 202-564-2496

#### US BROWNFIELDS: A Listing of Brownfields Sites

Standard Environmental Record Source: Other Standard Environmental Records Search Distance: 0.333 Mile

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

Date of Government Version: 09/22/2014 Number of Days to Update: 27 Last EDR Contact :11/07/2014 Source: Environmental Protection Agency Telephone: 202-566-2777

US CDL: Clandestine Drug Labs

Standard Environmental Record Source: Other Standard Environmental Records

Search Distance: Property

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

Date of Government Version: 07/25/2014 Number of Days to Update: 41 Source: Drug Enforcement Administration Telephone: 202-307-1000

Last EDR Contact :11/25/2014

#### US ENG CONTROLS: Engineering Controls Sites List

Standard Environmental Record Source: Federal institutional controls / engineering controls registries Search Distance: Property

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

Date of Government Version: 09/18/2014 Number of Days to Update: 31 Last EDR Contact :12/03/2014 Source: Environmental Protection Agency Telephone: 703-603-0695

US FIN ASSUR: Financial Assurance Information

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

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

Date of Government Version: 09/04/2014 Number of Days to Update: 46 Last EDR Contact :11/11/2014 Source: Environmental Protection Agency Telephone: 202-566-1917

#### US HIST CDL: National Clandestine Laboratory Register

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

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

Date of Government Version: 07/25/2014 Number of Days to Update: 41 Last EDR Contact :11/25/2014 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: 09/18/2014 Number of Days to Update: 31 Last EDR Contact :12/03/2014 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.

Administration

Telephone: 303-231-5959

Date of Government Version: 08/05/2014

Number of Days to Update: 74 Last EDR Contact :12/03/2014

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 :11/07/2014 Source: USGS Telephone: 888-275-8747

Source: Department of Labor, Mine Safety and Health

#### 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 :11/07/2014 Source: USGS Telephone: 202-208-3710

#### PWS: Public Water System Data

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

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 12/17/2013 Number of Days to Update: 279 Last EDR Contact :12/03/2014 Source: EPA Telephone: Not Reported

#### 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 Neveda.

Date of Government Version: Not Reported Number of Days to Update: 178 Last EDR Contact :06/01/2012 Source: Department of Conservation and Natural Resources Telephone: Not Reported

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 Neveda.

Date of Government Version: Not Reported Number of Days to Update: 199 Last EDR Contact :06/01/2012 Source: Department of Conservation and Natural Resources Telephone: Not Reported

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 Neveda.

Date of Government Version: Not Reported Number of Days to Update: 178 Last EDR Contact :06/01/2012 Source: Department of Conservation and Natural Resources Telephone: Not Reported

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 Number of Days to Update: 55 Last EDR Contact :11/30/2012 Source: EDR, Inc.

Telephone: Not Reported

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

Standard Environmental Record Source: Historical Gas Stations Search Distance: 0.25 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 Number of Days to Update: 42

Last EDR Contact :02/21/2007

Source: EDR, Inc. Telephone: Not Reported

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

Standard Environmental Record Source: Historical Dry Cleaners

Search Distance: 0.25 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 Number of Days to Update: 42 Last EDR Contact :02/21/2007 Source: EDR, Inc. Telephone: Not Reported

#### **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<sup>®</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW<sup>®</sup> 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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# **APPENDIX H**

Resumes



## Lauren Bruno Staff Scientist

### **Professional Experience**

Mrs. Bruno is Staff Scientist with areas of expertise include soil 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, and oversight of remedial 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 monitoring services including landfill gas samples, monitoring erosion of the area, and performing security and maintenance duties.

### Education

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

### **Certifications and Registrations**

OSHA Hazwoper 40 Hour Certification. Adult First Aid/CPR/AED Certification.



# Brett C. Bottenberg, C.E.M Senior Project Manager

### Professional Experience

Mr. Bottenberg is an Environmental Scientist and Engineer with more than 15 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, Leaking Underground Storage Tank (LUST) project management, and analytical data review. Applied experience includes conducting over 500 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. Mr. Bottenberg is also the McGinley & Associate's (MGA) Las Vegas office managing partner.

### **Project Experience**

### Phase I Environmental Site Assessments

Mr. Bottenberg has conducted Phase I ESAs in the western portion of the United States since the year 2000. Currently, Mr. Bottenberg heads the MGA due diligence team. He manages Phase I ESA projects and their associated activities for both the Las Vegas and Reno offices. He has conducted presentations related to revisions of the ASTM Phase I standard (E1527-13) for the Maricopa County Bar Association as well as community banks and is well versed with all requirements related to the standard and the EPA ruling regarding All Appropriate Inquiry (AAI).

Mr. Bottenberg has the following experience related to conducting Phase I ESAs:

- Nevada Conducted over 450 Phase I ESAs throughout Nevada. Client types include but are not excluded to banks, commercial real-estate brokers, private citizens, industrial manufacturers, mines, governmental agencies, school districts, and commercial businesses.
- **California** Mr. Bottenberg has experience conducting Phase I ESAs in both southern and northern California.

### Brownfields Projects

Mr. Bottenberg currently manages the MGA Brownfields division which is responsible for projects associated with MGAs contract with the Nevada Division of Environmental Protection (NDEP) and subcontracted projects associated with the Rural Desert Southwest Brownfields Coalition (RDSBC) grant. His duties include public outreach to locate potential projects, ascertaining funds for those projects from the NDEP or the RDSBC, managing brownfield related projects which include Phase I ESAs, Phase II ESAs, cleanup and reuse plans, corrective action plans, health and safety plans, removal action plans, abatement projects, and remediation projects.



### Leaking Underground Storage Tanks

Mr. Bottenberg currently manages MGA activities associated with the NDEP Leaking Underground Storage Tank (LUST) Contract. LUST projects previously or currently managed by Mr. Bottenberg include the following:

- **NDEP Monitoring Well Abandonment** Approximately 70 former NDEP monitoring wells were abandoned with the Nevada Division of Water Resources through the use of a waiver abandonment procedure. Activities associated with this project included an extensive file review of former projects to determine possible well locations, the use of field equipment to locate potentially lost wells, and management of licensed drillers to abandon located wells.
- Eagle Gas North UST Removal, Site Assessment, and Remedial Activities Underground storage tanks at a gas station located in Carson City were removed along with all associated dispensers, underground piping, and vent piping. Mr. Bottenberg managed the project to completion and provided a UST Removal report to the NDEP. Currently, the site is undergoing assessment to determine the extent of impacts from the former activities associated with the UST system. The assessment will allow for a conceptual site model to be developed along with a corrective action plan for future remediation services at the site.

### Spill Prevention, Control, and Countermeasure Plans

Mr. Bottenberg currently manages MGA activities associated with Spill Prevention, Control, and Countermeasure (SPCC) Plans. He has experience conducting site visits at both small and large facilities, preparing plans, and providing regulatory guidance to clients. Mr. Bottenberg has provided these services at facilities located in California and Nevada and is well versed with state and federal regulations (40 CFR 112) associated with these detailed plans.

### **Bioremediation Plan**

Mr. Bottenberg was the 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.

### Remediation Research Associated with Hazardous Compounds

Mr. Bottenberg provided research services while studying for his Master of Science in Environmental Engineering degree at Washington State University. The following activities were associated with his research:

- Washington State University, Pullman, WA Research Assistant responsible for design and implementation of laboratory projects studying the effectiveness of chemical oxidation for remediation of common soil and groundwater contaminants, including benzene, toluene, perchloroethylene, and carbon tetrachloride. Designed complex soil-water systems with successful results that enabled eventual grant awards for further research in these areas.
- Washington State University, Pullman, WA Researcher responsible for design of specific laboratory systems to study Fenton's Reagent and its role in the enhanced desorption and transformation of chloroaliphatic compounds within modified Fenton's reactions. Determined that vigorous reactions of soluble iron and hydrogen peroxide can not only oxidize organic compounds, but also induce desorption of those compounds from organic material with subsequent oxidation and/or reduction.



### Education

M.S., Environmental Engineering, Washington State University, 1997. B.S., Civil Engineering, Washington State University, 1995.

### **Certifications and Registrations**

Nevada Certified Environmental Manager, EM#1690 (Exp. 10/7/15) State of Utah UST Certified Consultant, CC 0251 (Exp. 6/30/16) Engineer in Training, EIT#20066. OSHA Hazwoper 40 Hour Certification. OSHA Hazwoper 8 Hour Refresher.

Adult First Aid/CPR/AED Certification.

### Affiliations

Member: Commercial Real Estate Development Association (NAIOP)

- Member of the Government Affairs Committee
- Golf Committee Chair

Member: Nevada Professional Facilities Managers Association (NPFMA) Member: Air & Waste Management Association, Nevada Section Member: Nevada Water Resources Association Participation as a Faculty Member: Maricopa County Bar Association