



Community Involvement Plan

Nevada Environmental Response Trust Site
Henderson, Nevada

Prepared for:
Nevada Environmental Response Trust

Prepared by:
ENVIRON International Corporation
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Date:
December 27, 2013

Project Number:
21-321001



Community Involvement Plan

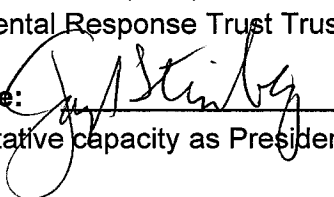
Nevada Environmental Response Trust Site (Former Tronox LLC Site) Henderson, Nevada

Nevada Environmental Response Trust (NERT) Representative Certification

I certify that this document and all attachments submitted to the Division were prepared at the request of, or under the direction or supervision of NERT. Based on my own involvement and/or my inquiry of the person or persons who manage the system(s) or those directly responsible for gathering the information or preparing the document, or the immediate supervisor of such person(s), the information submitted and provided herein is, to the best of my knowledge and belief, true, accurate, and complete in all material respects.

Office of the Nevada Environmental Response Trust

Le Petomane XXVII, Inc., not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee

Signature: , not individually, but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee

Name: Jay A. Steinberg, not individually, but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee

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Company: Le Petomane XXVII, Inc., not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee

Date: 12/24/13

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Nevada Environmental Response Trust (Former Tronox LLC Site) Henderson, Nevada

Responsible Certified Environmental Manager (CEM) for this project

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.



December 27, 2013

John M. Pekala, PG
Senior Manager

Date

Certified Environmental Manager
ENVIRON International Corporation
CEM Certificate Number: 2347
CEM Expiration Date: September 20, 2014

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1.0 Overview of the Community Involvement Plan

The Nevada Environmental Response Trust (the “Trust”) developed this Community Involvement Plan (“CIP”) to facilitate communication between the community surrounding the Nevada Environmental Response Trust Site (the “Site”), the Nevada Division of Environmental Protection (“NDEP”) and the Trust, and to encourage community involvement in Site activities. The Trust will utilize the community involvement activities outlined in this plan to ensure that the community is informed and provided opportunities for input.

This CIP addresses the relationship with the community, provides a background of the community, presents the community involvement program of the Trust, and provides a listing of resources available. The Trust drew upon several information sources to develop this plan, including input received from the community, public information, and Site files. The NDEP will oversee implementation of the community involvement activities outlined in this plan. The CIP will be utilized throughout completion of the corrective actions at the Site. The CIP will be updated as necessary and at a minimum, every three years.

In a letter to the Trust dated June 18, 2013, the NDEP commented on the Draft CIP, dated April 30, 2012. On behalf of the Trust, ENVIRON International Corporation (“ENVIRON”) submitted an annotated response to NDEP’s comments on October 4, 2013. These comments are included in Attachment A.

2.0 Site Description

2.1 Site History

The Site is located within the Black Mountain Industrial (“BMI”) complex, an industrial complex that has had operations since 1942. The BMI complex was originally sited and operated by the United States (“U.S.”) government as a magnesium production plant in support of the World War II effort. Following the war, a portion of the complex was leased by Western Electrochemical Company (“WECCO”). By August 1952, WECCO had purchased several portions of the complex, including six of the large unit buildings, and produced manganese dioxide, sodium chlorate, and various perchlorates. In addition, in the early 1950s, pursuant to a contract with the U.S. Navy, WECCO constructed and operated a plant to produce ammonium perchlorate on land purchased by the U.S. Navy. In 1956, WECCO merged with American Potash and Chemical Company (“AP&CC”) and continued to operate the processes with the Navy’s continued involvement in the ammonium perchlorate process. In 1962, AP&CC purchased the ammonium perchlorate plant from the Navy but continued to supply the Navy and its contractors material from the operating process. AP&CC merged with Kerr-McGee Corporation (“Kerr-McGee”) in 1967. As part of this merger, boron production processes in California were moved to Henderson. In the early 1970s, the boron operations, which included the production of elemental boron, boron trichloride and boron tribromide, began at the Site. In 1994, the boron tribromide process was shut down and dismantled. In 1997, the sodium chlorate process was shut down and in 1998, production of commercial ammonium perchlorate ended as well. The ammonium perchlorate production equipment was used to reclaim perchlorate from on-site materials until early 2002, when the equipment was permanently shut down.

In 2005, Kerr-McGee Chemical Corporation’s name was changed to Tronox LLC (“Tronox”). Tronox filed for bankruptcy in 2009. The Trust was established through the resolution of the Tronox bankruptcy and the Trust assumed ownership of the property that was previously owned by Tronox in February 2011. Tronox leases back a portion of the Site from the Trust for production of manganese dioxide, boron trichloride, and elemental boron.

2.2 Site Description/Location

The Site is approximately 346 acres in size and is located 13 miles southeast of Las Vegas, Nevada in an unincorporated section of Clark County, Nevada. It is completely surrounded by the incorporated area of the City of Henderson (See Site Location Map Figure 1).

The Site is surrounded by industrial, commercial, and residential properties. The location of the Site relative to surrounding industrial, commercial, and residential properties is provided on Figure 1. The Site is generally rectangular, with certain interior portions of the property being owned and operated by other companies, specifically Lhoist, Western Area Power Administration (“WAPA”), Basic Management, Inc. (“BMI”), and Titanium Metals Corporation (“TIMET”). Facilities adjacent to the Site include TIMET to the east, and Olin Chlor-Alkali (formerly known as [1] Pioneer Americas LLC; [2] Olin Chlor-Alkali/Stauffer/Syngenta/Montrose [“OSSM”]; and [3] Pioneer/Olin Chlor-Alkali/Stauffer/Syngenta/ Montrose [“POSSM”]) to the west. The Olin Chlor-Alkali facility includes former Stauffer and Montrose Sites. BMI property is located mainly to the east of the Site, although a BMI-owned Corrective Action Management Unit (“CAMU”) is located immediately to the west. Another facility, American Pacific Corporation (“AMPAC”), formerly Pacific Engineering and Production Company of Nevada (“PEPCON”), is located approximately 1.5 miles southwest of the Site. The neighboring properties and their former property names are summarized in Table 1 and shown on Figure 2 (Surrounding BMI Complex Facilities).

The nearest surface water is the Las Vegas Wash, which is located approximately 2.1 miles to the north-northeast. The Las Vegas Wash discharges to Lake Mead, which is located approximately 8.6 miles to the northeast and beyond Lake Las Vegas.

The nearest residential communities are located approximately 1,365 feet north of the Site property line and approximately 480 feet south (across Lake Mead Parkway) of the Site property line as shown in Figure 1. The nearest health facility is located 0.65 miles to the east of the Site.

2.3 Site Inspections and Cleanup Activities

In response to the 1972 Federal Water Pollution Control Act (the Clean Water Act ["CWA"]), Kerr-McGee modified its manufacturing processes and constructed lined surface impoundments to recycle and evaporate industrial wastewater. The facility achieved zero-discharge status in 1976 regarding industrial wastewater management, and in February 1977, Kerr-McGee obtained a National Pollutant Discharge Elimination System ("NPDES") permit under the CWA authorizing up to 4 million gallons per day discharge of non-contact cooling water to Las Vegas Wash. A groundwater investigation was initiated by Kerr-McGee in July 1981 to comply with the federal Resource Conservation and Recovery Act ("RCRA") standards for monitoring the existing on-site impoundments. The following presents a summary of the events that followed the 1981 groundwater investigation.

- In December 1983, NDEP requested that Kerr-McGee investigate the extent of chromium impacts in the groundwater beneath the facility.
- A Consent Order between Kerr-McGee and NDEP, prepared in September 1986, stipulated additional groundwater characterization and the implementation of remedial activities to address chromium in the groundwater.
- Monitoring wells, groundwater interceptor wells, a groundwater treatment system for chromium reduction, and two treated-groundwater injection trenches were installed and the treatment of hexavalent chromium in groundwater began in mid-1987. This treatment is on-going today although the injection trenches are not currently utilized.
- In April 1991, Kerr-McGee was one of six companies that entered into a Consent Agreement with the NDEP to conduct environmental studies to assess site-specific environmental conditions which are the result of past and present industrial operations and waste disposal practices. The six companies (Basic Management, Inc., Tronox, Montrose Chemical Corporation, Pioneer Americas, LLC, TIMET, and Rhone-Poulenc Ag) that entered into the Consent Agreement included those past or present entities that conducted business within the BMI complex. The Consent Agreement specified that, among other things, the companies identify, document or address soil, surface water, groundwater or air impacts and document measures that have been taken to address environmental impacts from their respective sites.
- In April 1993, in compliance with the 1991 Consent Agreement, Kerr-McGee submitted the Phase I Environmental Conditions Assessment ("ECA") to NDEP. The purpose of the report was to identify and document site-specific environmental impacts resulting from past or present industrial activities. The Phase I ECA included an assessment of the geologic and hydrologic setting, as well as then-current and historical manufacturing activities.

- In 1994, the NDEP issued a letter of understanding (“LOU”) that identified 69 data gap areas that needed additional information, either in the form of additional document research or field sampling of site conditions. Subsequent to the issuance of the LOU, an additional potential source area, the former U.S. Vanadium site, was identified during planning for the 2009 Phase B Source Investigation. Although not formally designated as an LOU, the U.S. Vanadium site is referred to as LOU 70.
- During the mid to late 1990s, Kerr-McGee collected additional data to fill the LOU identified data gaps. This was done by investigating past operator records as well as through field sampling. Results of this work are described in the Phase II Written Response to the LOU (1996), the Phase II ECA (1997), and the Supplemental Phase II ECA (2001), the latter two of which were reports describing the results of field sampling of groundwater and soils. Through this effort, potential environmental impacts associated with the 69 LOU data gap areas were evaluated.
- In 1997, perchlorate was discovered in the vicinity of the Las Vegas Wash. As a result, this aspect of the ECA was placed on a remedial fast-track.
- In the late 1990s, an impact characterization and treatment methodology evaluation was performed. Concurrently, a seep water collection system was installed adjacent to the Las Vegas Wash to mitigate the discharge of perchlorate, and a temporary ion exchange (“IX”) treatment system was installed. The groundwater treatment process began operation in November 1999.
- Kerr-McGee and NDEP entered into a 1999 Consent Agreement, which defined response requirements and looked forward to a treatment process that would replace the temporary IX. After considerable research and process development, fluidized bed reactors were developed and installed for treatment of perchlorate.
- Kerr-McGee and NDEP entered into an October 2001 Administrative Order on Consent (“AOC”) defining the current response requirements, which included additional extraction well systems and the construction of the on-site groundwater treatment facility. These systems were installed by Kerr-McGee.
- In addition, pursuant to this AOC, Kerr-McGee completed the existing off-site Athens Road Well Field (“AWF”), the off-site Seep Well Field (“SWF”), and the associated on-site treatment system. The AWF, completed in 2002, consists of a series of 14 groundwater extraction wells at seven paired well locations that span roughly 1,200 feet of the alluvial paleochannels and pump from the shallow zone at a combined rate of approximately 280 gallons per minute. In 2006, a 15th standalone well, ART-9, began pumping to replace ART-6A after groundwater elevations dropped below a level where ART-6/6A could be effective. The groundwater extraction and treatment system (“GWETS”) has operated continuously at the Site since 2002.
- The Trust currently operates the groundwater treatment facility, which includes the following primary unit operations: granular activated carbon, biological fluidized bed reactors, and a ferrous sulfate chemical precipitation system. Following treatment, all extracted water is discharged to Las Vegas Wash under a NPDES permit. Remedial performance reports are submitted semi-annually to the NDEP.

- In 2004, a list of site-related chemicals was developed based upon then-current and historic operations information and on-site soil and groundwater investigation analytical results. This list included but was not limited to raw materials, process chemicals, intermediates, and products of all current and previous manufacturers at the Site.
- In 2005, a Conceptual Site Model (“CSM”) was prepared for the Site, which consolidated and evaluated information about known and potential environmental impacts.
- Based on data gaps identified in the investigation data results and CSM, Tronox implemented two soil sampling programs (known as Phase A and B Source Investigations) that were completed in 2006 and 2009, respectively. These investigations identified a number of constituents in excess of Nevada Basic Comparison Level (“BCL”) criteria within the upper 10 feet of soil, including dioxins/furans toxic equivalents (“TEQ”), hexachlorobenzene, other semivolatile organic compounds (“SVOCs”), polychlorinated biphenyls (“PCBs”), asbestos, metals, organochlorine pesticides (“OCPs”), and perchlorate.
- In an Order dated December 14, 2009, NDEP directed Tronox to remove all contaminated soil (within the vertical interval extending to a depth of 10 feet below ground surface) from the Site by the end of 2010. For the purposes of soil removal activities, the main contaminated portions of the Site were divided into the five separate remediation zones indicated on Figure 3 (Site Features) and listed below:
 - RZ-A: the southern portion of the Site
 - RZ-B: the area around the Unit buildings
 - RZ-C: the ammonia perchlorate production area, Koch Materials area, pond and diesel storage tank area, and manganese tailings area
 - RZ-D: the Trade Effluent ponds and ammonium perchlorate pad/drum recycling area (including the hazardous waste landfill)
 - RZ-E: the Beta Ditch

Soil sampling in RZ-A did not identify soils exceeding NDEP cleanup criteria so there was no excavation performed.

- In the May 28, 2010 Remedial Action Work Plan (“RAW”), Tronox proposed the strategy for excavating chemically impacted soil within the upper 10 feet of soil in areas RZ-B through RZ-E, to the extent such soils were accessible. These remediation activities commenced during 2010 and were completed in 2011 by the Trust.
- As of January 1, 2012, approximately 930,000 tons of contaminated soil and related materials had been excavated. An interim soil removal action completion report was prepared for all five remediation zones in January 2012 and revised in September 2012. Certain impacted soils within the remediation zones, which could not be excavated due to physical constraints or other access issues were designated as Excavation Control Areas (“ECAs”) and are addressed through the Site Management Plan (“SMP”), Revision 1, dated October 2013. The SMP describes procedures to address the known remaining environmental conditions at the Site, as well as contingency actions to be taken if previously unknown environmental conditions are encountered.

- Recent groundwater monitoring results indicate significant capture and ongoing reduction of the perchlorate and hexavalent chromium plumes. Perchlorate concentrations in Las Vegas Wash have declined by approximately 97% over the last 10 years of groundwater capture system operation. The GWETS continues to operate.
- In 2012, the Trust developed a Remedial Investigation/Feasibility Study (“RI/FS”) Work Plan to address soil and groundwater contamination at the Site pursuant to an Interim Consent Agreement signed by the Trust and NDEP (effective February 14, 2011). The RI/FS will be conducted in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). A revised work plan, incorporating comments received from NDEP and other stakeholders, will be completed in January 2014.

3.0 Community Background

3.1 Community Profile

The Site is located in Henderson, Nevada, a suburban city in Clark County, Nevada, United States, within the Las Vegas metropolitan area of the Mojave Desert. It occupies the southeast end of the Las Vegas Valley. The total land area of Henderson is 107.33 square miles with a population density of 2,392.3 persons per square mile. Until recent years, Henderson was one of the fastest growing cities in the nation.

Henderson is the second largest city in Nevada, after Las Vegas, with an estimated population of 257,729 in the 2010 census. This represents a 47 percent increase over the 2000 Census population. Census 2010 data show that Henderson is 76.8 percent White, 14.9 percent Hispanic, 7.2 percent Asian and 5.1 percent Black. The median household income was \$68,039 and 7.3 percent of the population lived below the poverty line. As of 2010, the unemployment rate was 13.8 percent; 22.6 percent of the Henderson population in 2010 was under 18, while 14.3 percent was 65 and older.

Henderson had 24,846 businesses as of the 2010 Census. In 2010, the largest employer was the City of Henderson with 2,963 employees. Four of the top ten employers were businesses in the tourism, gaming and entertainment industry. Two of the top ten employers were hospitals.

The public school system in Henderson is organized under the Clark County School District. Of the public schools serving Henderson, there are 26 elementary schools, 9 junior high/middle schools, and 9 high schools. There are also 4 charter schools and 5 private schools. With specific relevance to the Site, Hinman Elementary School is located approximately three-quarters of a mile north/northeast of the Site and in the direction of Las Vegas Wash.

There are 10 golf courses in Henderson, as well as 54 city parks on more than 1,260 acres. Henderson also boasts over 65 linear miles of walking and running trails. In regards to the Site, three parks are located between the Site and the Las Vegas Wash: Rodeo Park, Henderson Bird Viewing Preserve, and Wells Park and Pool.

3.2 History of Community Involvement

A previous Community Involvement Plan was implemented for the Site by Tronox and NDEP has maintained a public website with various site-related documents and related information since 2006. Information repositories were also previously established for the Site at a former City of Henderson public library and the NDEP Las Vegas and Carson City offices. Although the library was subsequently demolished, information and documents continue to be available at the NDEP Las Vegas office. In addition, NDEP has held several stakeholder meetings for interested community residents and local authorities that were open to the public, distributed fact sheets related to the Site, and disseminated information regarding the Site to the local media.

The Trust has communicated site developments and collected input from the community using an interview questionnaire that was mailed to community members (including residents, businesses, and a local union) located within a 1 mile radius of the Site. The mailing also included distribution of a current fact sheet. The mailing is included as Attachment B. Furthermore, the Trust held two Community Interview Meetings on April 23, 2012. Notification of the meetings was made with

direct mailings to the Trust mailing list which included more than 4,000 names and placement of a notice in two papers (included as Attachment C), the Las Vegas Review Journal and The Henderson Press (twice). The Community Interview Meeting presentation and sign-in sheets for the two meetings are included as Attachment D. The Trust and NDEP participate in stakeholder calls generally quarterly and on an as-needed basis. The Trust has also maintained open communications to interested parties such as the Henderson Industrial Community Advisory Panel which includes representatives of the community such as local residents, business owners, and a school principal, along with representatives of nearby industries, police, fire, community development, and the Chamber of Commerce.

3.3 Key Community Concerns

The following is a summary of key community concerns identified through the 28 completed Community Interview Questionnaires and the public meeting.

- Risk to public health through exposure to releases from the Site that may have occurred historically, or are currently occurring under existing permits. The public expressed concerns regarding historical releases that may have impacted soil areas which are now residential properties or groundwater impacts that have been detected off the Site.
- Information regarding site related chemicals and the potential risk of site related chemicals to the surrounding community.
- Information regarding the fate and transport of chemicals from the Site including the treatment processes employed by the existing groundwater treatment system.
- Information regarding the project schedule and the plan for future Site work.
- Cost of remediation and who is paying for the cleanup.
- Air quality and information regarding what chemicals may be released from the larger BMI complex site.
- Staining noted on sidewalks and property off-site believed to originate from the Site or the larger BMI complex site.
- Potential deposition of impacted soil on adjacent properties, as well as health affects related to inhalation of dust from the Site, both historically, due to the soil contamination, as well as currently, due to both the soil contamination that remains and the BMI complex air emissions.
- Levels of perchlorate in groundwater.
- Remediation of other properties in the BMI complex.

3.4 Summary of Communication Needs

The Trust will continue to provide routine updates to the public through mailings (including electronic mail) and public meetings. Mailings will include fact sheets (at least annually) and updates at critical stages of the project or as requested by the community. A fact sheet was prepared in December 2011, and has been updated along with this CIP. Both the December 2011 and revised fact sheets are included in Attachment E. For example, the surrounding community will be informed when the remedial investigation has been completed and the report approved by the NDEP. Additionally, the Trust will continue to work closely with members of key

stakeholder groups, including the Central Arizona Project, Metropolitan Water District of Southern California, Southern Nevada Water Authority, and the City of Henderson.

As required by Title 40 of the Code of Federal Regulations (“CFR”) Part 300, public meetings and public hearings will be held at project milestones such as publication of the RI/FS report. Meetings will be held at times and places which, to the maximum extent feasible, facilitate attendance by the public. As with the April 23, 2012 Community Interview Meeting, more than one meeting may be held to facilitate public participation. Public meetings, which are less formal than public hearings, do not require formal presentations, scheduling of presentations and a record of proceedings. Notice of public meetings and hearing will not be less than 30 days.

4.0 The Trust's Community Involvement Program

The overall goal of the Trust's community involvement program is to promote two-way communication between citizens and the Trust and to provide opportunities for meaningful and active involvement by the community in the cleanup process. The Trust will implement the community involvement activities described below. The following plan is based on the results of the community interviews described earlier; it addresses each issue that was identified as being important to the community. The identified issues include:

- Designate a Community Involvement Coordinator ("CIC").
- Prepare and distribute Site fact sheets and technical summaries.
- Maintain a mailing list for the Site.
- Establish and maintain information repositories.
- Place Site information on the internet.
- Establish and maintain the Administrative Record.
- Hold public meetings or public availability sessions.
- Revise the CIP.

4.1 Community Involvement Activities

The following highlights community involvement activities associated with this plan.

Designation of CIC

- **Objective:** The CIC is the primary liaison between the community and the NDEP and the Trust, and will ensure prompt, accurate, and consistent responses and information dissemination about the Site. In those instances where the CIC may be unable to provide adequate information (such as on technical issues), inquiries will be directed to the appropriate Trust contact.
- **Method:** The CIC to be appointed upon approval of this CIP will be James Dotchin, Environmental Scientist IV, Special Projects Branch of the NDEP. He will work closely with Allan DeLorme and John Pekala of ENVIRON, the Trust's technical leads for the Site.
- **Timing:** The CIC was previously designated as Shannon Harbour in April 2012. With the submittal of this CIP, James Dotchin will be officially designated as the CIC by the approval of this plan.

Prepare and distribute fact sheets and technical summaries

- **Objective:** To provide citizens with current, accurate, easy-to-read, easy-to-understand information about the Site.
- **Method:** Fact sheets will be mailed to parties on the Site mailing list following mailing list updates. In addition, copies will be available at the information repository and on the NDEP website for the Site.

- **Timing:** The Trust and NDEP will prepare and distribute fact sheets at least once per year in January or more frequently, if appropriate, to communicate site activities.

Maintain a mailing list for the Site

- **Objective:** To facilitate the distribution of site-specific information to everyone who needs or wants to be kept informed about the Site.
- **Method:** NDEP, through the Trust, will create a mailing list that includes all residences adjacent to the Site or in known or suspected paths of migration, as well as those other appropriate recipients.
- **Timing:** NDEP, through the Trust, will review and update the mailing list each year in January prior to annual fact sheet distribution.

Establish and maintain Information Repositories

- **Objective:** To provide a convenient location where residents can go to read and copy official documents and other pertinent information about the Site.
- **Method:** The repository is a reference collection of Site information containing the Administrative Record file and other site-specific information. The NDEP will maintain a repository at the NDEP office in Las Vegas and the local Information Repository at the James I. Gibson Library on Lake Mead Parkway in Henderson, Nevada, which has replaced the prior City of Henderson library that was demolished. A computer work station will be set up with the local Information Repository at the James I. Gibson Library following NDEP approval of the CIP.
- **Timing:** The Trust and NDEP will establish the local repository within 90 days of the date of NDEP approval of the CIP.

Site Information on the Internet

- **Objective:** To provide key resources for searching and listing both general and specific information about the Site.
- **Method:** A Site Status Summary for the Site can be found at <http://ndep.nv.gov/bmi/tronox.htm>.
- **Timing:** Site Status Summaries will be reviewed each year in January for updates. Updates will be made as project milestones are reached.

Establish and maintain the Administrative Record

- **Objective:** To provide residents with Site documents, resources, etc. used by the Trust and the NDEP in reaching all decisions about the Site and its cleanup.
- **Method:** NDEP will provide at least two sets of the Administrative Record for the Site, one in the NDEP office in Las Vegas, Nevada and one located in the local Information Repository near the Site.
- **Timing:** The NDEP repository at the NDEP office in Las Vegas is complete and the local Information Repository is currently being established at the James I. Gibson Library on Lake Mead Parkway in Henderson, Nevada. Documents prepared by the Trust will be added to the local repository within 60 days of their submittal to and approval by NDEP.

Hold public meetings or public availability sessions

- Objective: To update the community on Site developments and address community questions, concerns, ideas and comments.
- Method: NDEP and the Trust will schedule, prepare for, and attend all announced meetings or availability sessions. At least two weeks' notice of the scheduled meeting will be provided to the community. The CIC and other appropriate NDEP staff and representatives of the Trust will attend.
- Timing: A public availability session was held on April 23, 2012 at the Henderson Convention Center, 200 South Water Street, Henderson, Nevada. NDEP and the Trust will hold other public meetings as appropriate.

Revise the CIP

- Objective: To identify and address community needs, issues, or concerns regarding the Site or the cleanup remedy that are identified after the publication of this CIP.
- Method: A Revised CIP will update the information presented in the previous version of the CIP.
- Timing: The Trust in cooperation with NDEP will revise the CIP as community input warrants or at least every three years until the Site is closed out.

4.2 Time Frame Summary for Community Involvement Activities

Activity	Time Frame
Designate CIC	Designated with previous submittal of the CIP and re-designated as James Dotchin upon NDEP approval of this CIP
Prepare and distribute fact sheets and technical summaries	Initially in 2011, updated in this plan, and updated at least once per year in January hereafter following mailing list updates
Maintain a mailing list for the Site	Updated March 2012 and updated at least each year in January
Establish and maintain Information Repositories	Established at NDEP in Las Vegas, Nevada. A second location to be established at the James I. Gibson Library in Henderson, NV
Provide Site information on the Internet	Reviewed each year in January and updated as needed as project milestones are reached
Establish and maintain Administrative Record	Established at NDEP in Las Vegas, Nevada. A second location to be established at the James I. Gibson Library in Henderson, NV
Hold public meetings or availability sessions	As needed
Revise the CIP	As needed but no less frequent than every 3 years until the completion of corrective actions at the Site

Tables

**Table 1. SUMMARY OF NEIGHBORING PROPERTIES
Nevada Environmental Response Trust Site; Henderson, Nevada**

PROPERTY	LOCATION
<p>American Pacific Corporation (AMPAC) formerly Pacific Engineering and Production Company of Nevada (PEPCON)</p>	<p>This property is located 1.5 miles southwest of the Site.</p>
<p>Black Mountain Industrial (BMI) Common Areas includes the following Eastside Sub-Areas: Hook-Open Space, Southern RIBs, Galleria North School Site, Galleria Alignment, Sunset North Commercial, Phase I Development, City of Henderson Water Reclamation Facility, Eastside Main, Mohawk, Parcels 4A and 4B, ditches, and various flood conveyance channels. The ditches in this area include: the Western Ditch and the Northwest Ditch in the Hook-Open Space, and the Alpha Ditch and the Beta Ditch throughout the area.</p> <p>The following CAMU Sub-Areas include: Eastern W. Ditch, Northern Landfill Lobe, Northern Lobe of the Borrow Area, Slit Trench Area, Southern Landfill Lobe, Southern Lobe of the Borrow Area, and Western W. Ditch. The Northern Landfill Lobe and the Southern Landfill Lobe combined are referred to as the historical BMI Dump. The ditches and conveyances in this area include: the Beta Ditch Extension, the Western Ditch, and the Western Ditch Extension.</p>	<p>The Eastside Sub-Areas are located east of the Site across the Boulder Highway.</p> <p>The CAMU Sub-Areas are located adjacent to the west of the Site and north of the Olin property.</p> <p>The flood conveyance channels are located around the perimeters of the Eastside Sub-Areas, and the ditches are located throughout the Eastside and CAMU Sub-Areas.</p>
<p>Lhoist North America (Lhoist) formerly Chemstar Lime Company of Nevada and Chemstar, Inc.</p>	<p>This property is located in the center of the Site north of Unit Buildings 3 and 4.</p>
<p>Olin Chlor-Alkali Products (Olin) formerly Pioneer Americas LLC which was referred to as Pioneer Americas/Olin Chlor Alkali/Stauffer Management Company/Syngenta Crop Protection, Inc./Montrose Chemical Corporation of California (POSSM and OSSM). The Beta Ditch Extension extends into this property from the Site.</p>	<p>This property is located adjacent to the west of the Site and south of the BMI CAMU Sub-Areas.</p>
<p>Titanium Metals Corporation (TIMET) includes the BMI Beta/Northwest Ditch.</p>	<p>This property is located adjacent to the east of the Site. There is a small portion of the property that is located to the west of the Site, north of Parcel F.</p>
<p>Western Area Power Administration (WAPA)</p>	<p>This property is located south of Unit Buildings 1 through 6, east of Parcel G, and north of Parcel H.</p>

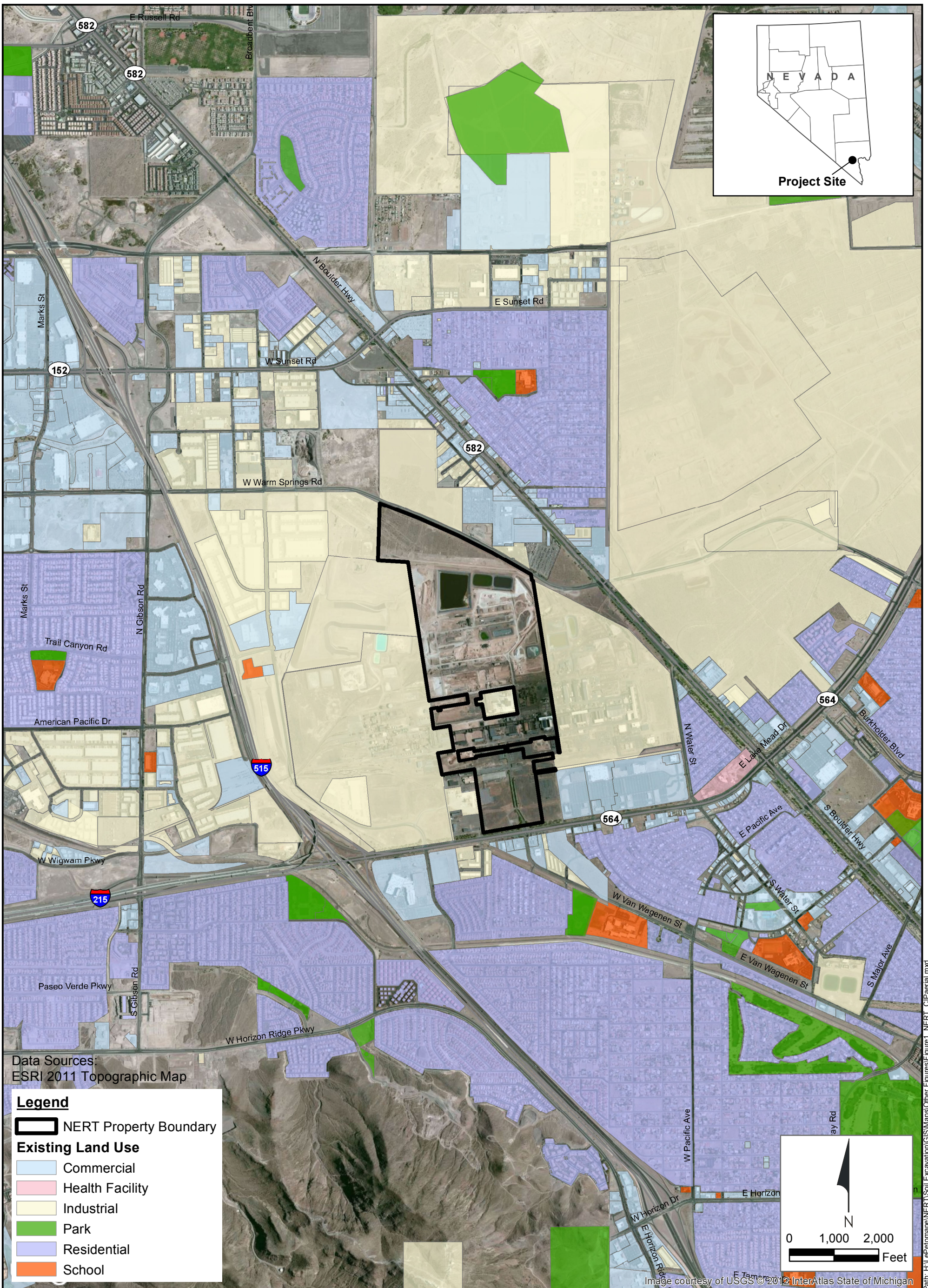
Notes:

CAMU = Corrective Action Management Unit

RIB = Rapid Infiltration Basin

Site = Nevada Environmental Response Trust Site

Figures



Data Sources:
ESRI 2011 Topographic Map

Legend

- NERT Property Boundary
- Existing Land Use**
- Commercial
- Health Facility
- Industrial
- Park
- Residential
- School

Image courtesy of USGS © 2012 InterAtlas State of Michigan

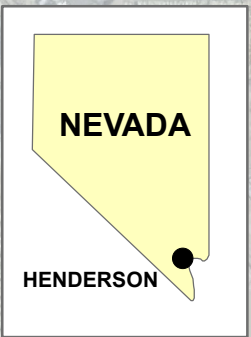
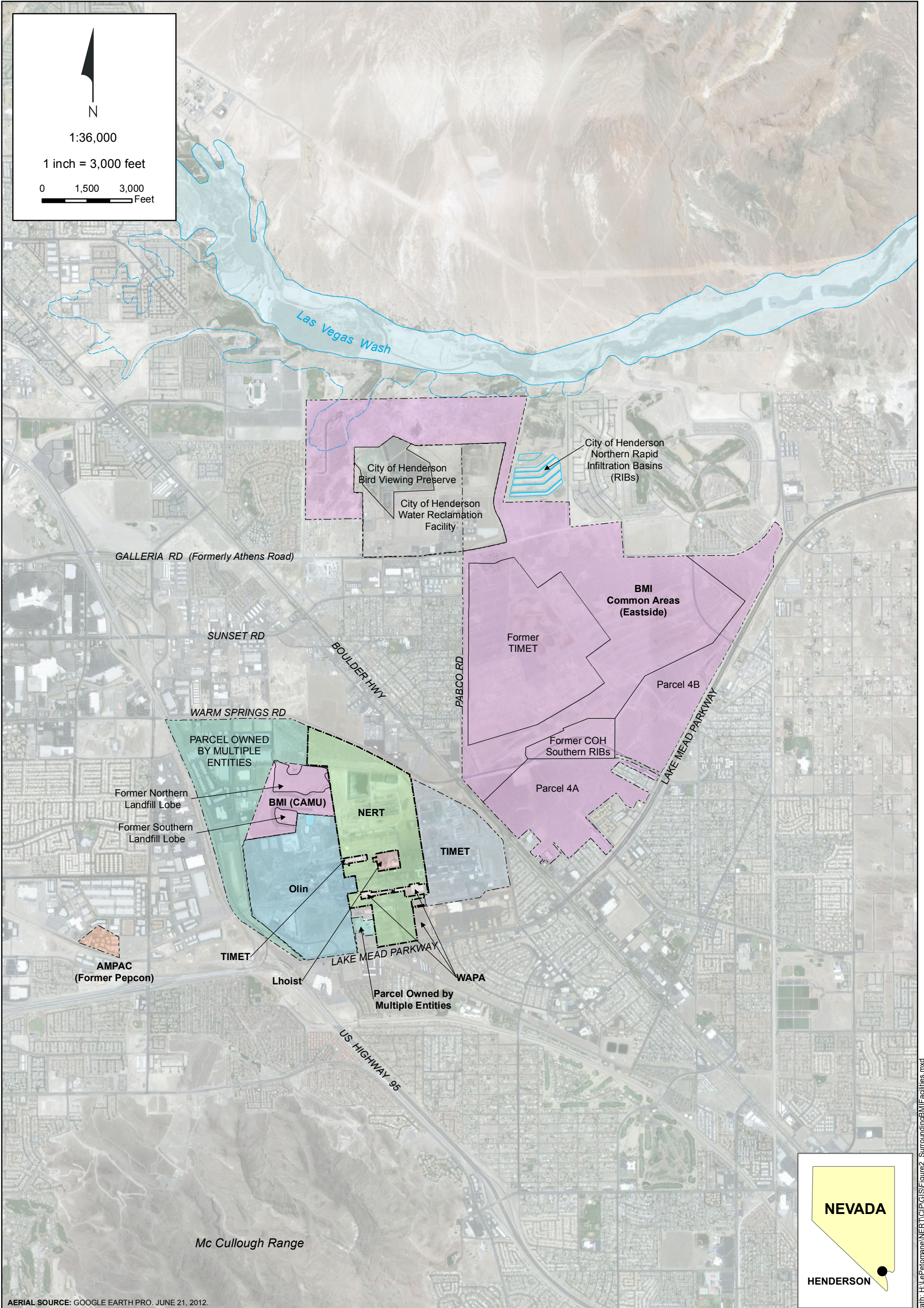
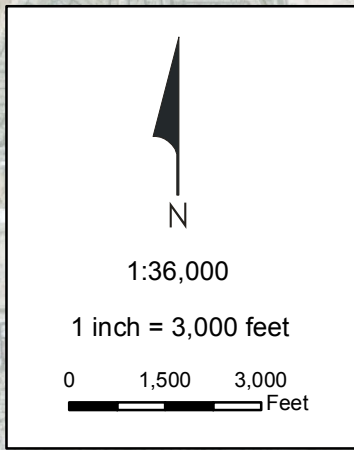
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Site Location Map
Nevada Environmental Response Trust Site, Henderson, Nevada

Figure
1

Drafter: EA Date: 12/13/2013 Contract Number: 21-32100108 Approved by: DR Revised:



AERIAL SOURCE: GOOGLE EARTH PRO. JUNE 21, 2012.



2200 Powell St., Suite 700, Emeryville, CA 94608

Surrounding BMI Complex Facilities

Nevada Environmental Response Trust Site, Henderson, Nevada

Figure

2

Drafter: RS

Date: 12/12/2013

Contract Number: 21-32100I08

Approved by:

Revised:

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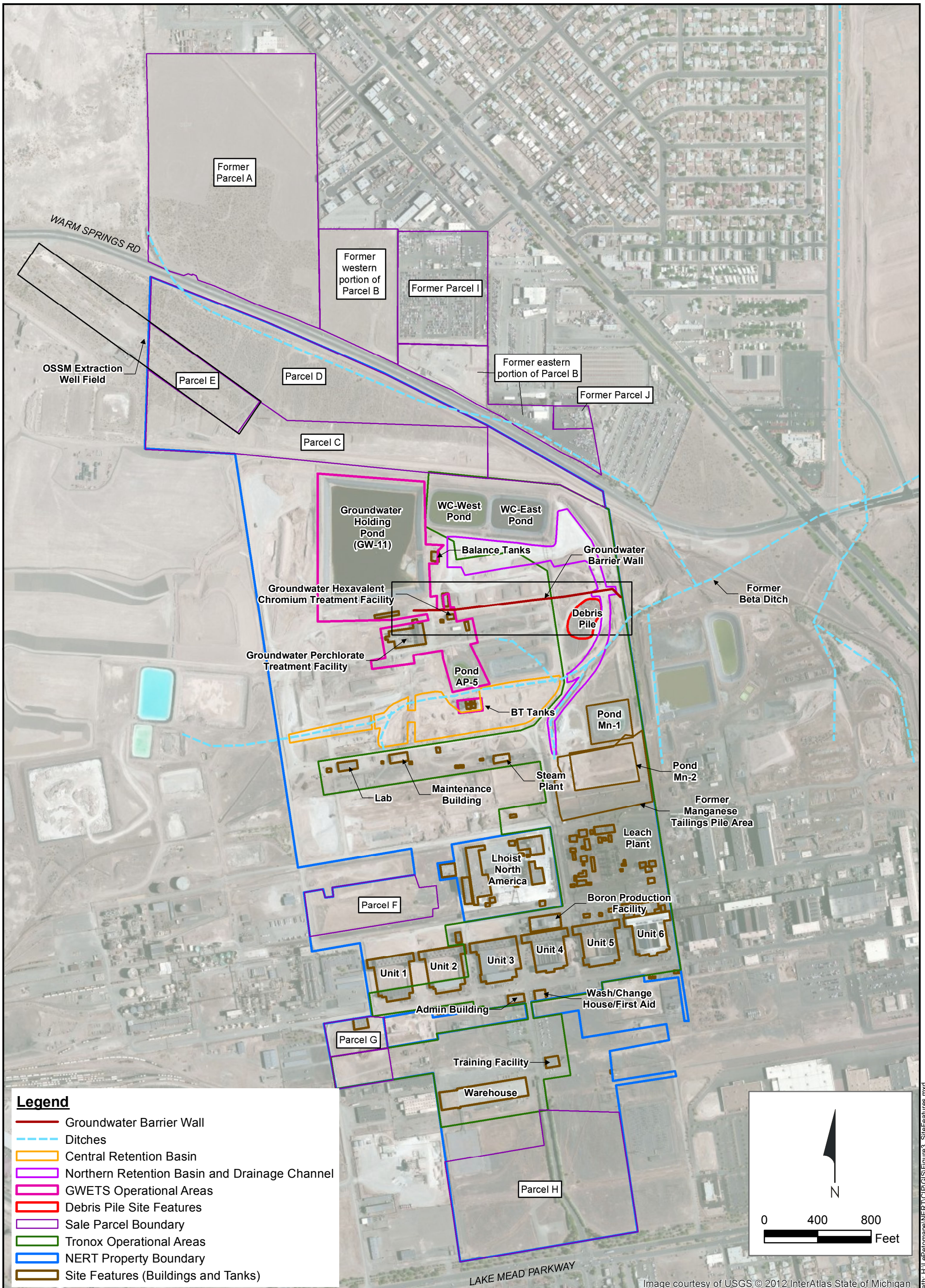


Image courtesy of USGS © 2012 InterAtlas State of Michigan

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2200 Powell St., Suite 700, Emeryville, CA 94608

Site Features

Nevada Environmental Response Trust Site, Henderson, Nevada

Figure
3

Drafter: EA

Date: 12/16/2013

Contract Number: 21-29100108

Approved by:

Revised:

Appendix A

The Trust and NDEP Contacts

Appendix A The Trust and NDEP Contacts

NDEP

Weiquan Dong, P.E.
Staff Engineer III
Special Projects Branch
Bureau of Corrective Actions
NDEP-Las Vegas Office
2030 E Flamingo Rd, Suite 230
Las Vegas, NV 89119
Phone: (702) 486-2850 x252

James Dotchin
Environmental Scientist IV
Community Involvement Coordinator Special
Projects Branch
Bureau of Corrective Actions
NDEP-Las Vegas Office
2030 E Flamingo Rd, Suite 230
Las Vegas, NV 89119
Phone: (702) 486-2850 x230

Greg Lovato
Chief
Bureau of Corrective Actions
NDEP-Carson City Office
901 S Stewart St
Carson City, NV 89701
Phone: (775) 687-9373

The Trust

Jay A. Steinberg, not individually, but solely
as President of the Nevada Environmental
Response Trust Trustee
35 East Wacker Drive - Suite 1550
Chicago, Illinois 60601
Phone: (312) 505-2688

Andrew Steinberg
1655 N. Maplewood Ave.
Chicago, IL 60647
(312) 498-2800

Allan DeLorme
Principal
ENVIRON International Corporation
2200 Powell Street, Suite 700
Emeryville, CA 94608
Phone: (510) 420-2565

John Pekala
Senior Manager
ENVIRON International Corporation
1702 E. Highland Ave. #412
Phoenix, AZ 85016
Phone: (602) 734-7710

Appendix B
Local Officials

Appendix B
Local Officials

Mayor Andy A. Hafen
Telephone (702) 267-2406

City Council Members
Council Ward I – Gerri Schroder
Council Ward II – Debra March
Council Ward III – John F. Marz
Council IV – Sam Bateman
City Council Offices (702) 267-2085

Southern Nevada Health District
P.O. Box 3902
Las Vegas, NV 89127
Telephone (702) 759-1000

Fire Department
Telephone (702) 267-2222

Police Department
223 Lead Street
Henderson, NV 89015
Telephone (702) 267-5000

Appendix C
State Officials

Appendix C State Officials

Governor Brian Sandoval

R-(4-year term expires in 2014)
555 E. Washington Ave., Suite 5100
Las Vegas, NV 89101
(702) 486-2500 (o)
(702) 486-2505 (f)

State Capitol Building
101 N. Carson Street
Carson City, NV 89701
(775) 684-5670 (o)
(775) 684-5683 (f)
www.gov.nv.gov

Lt. Governor Brian K. Krolicki

R- (4-year term expires in 2014)
555 E. Washington Ave., Suite 5500
Las Vegas, NV 89101
(702) 486-2400 (o)
(702) 486-2404 (f)

State Capitol Building
101 N. Carson Street
Carson City, NV 89701
(775) 684-7111 (o)
(775) 684-7110 (f)
<http://ltgov.nv.gov/>

Clark County Commissioner Steve Sisolak

D–District A (4-year term expires in 2016)
500 Grand Central Parkway, 6th Floor
Las Vegas, NV 89106
(702) 455-3500 (o)
(702) 383-6041 (f)
ccdista@co.clark.nv.us
www.accessclarkcounty.com/depts/countycommissioners/districta/Pages/default.aspx

Clark County Commissioner Mary Beth Scow

D–District G (4-year term expires in 2014)
500 Grand Central Parkway, 6th Floor
Las Vegas, NV 89106
(702) 455-3500 (o)
(702) 383-6041 (f)
ccdistg@co.clark.nv.us
www.accessclarkcounty.com/depts/countycommissioners/districtg/Pages/default.aspx

Appendix D
Federal Elected Officials

Appendix D Federal Elected Officials

U.S. Senator Harry Reid

D–Nevada (6-year term expires in 2017)
Lloyd George Federal Building
333 S. Las Vegas Blvd., Suite 8016
Las Vegas, NV 89101
(702) 388-5020 (o)
(702) 388-5030 (f)

522 Hart Senate Office Building
Washington, DC 20510
(202) 224-3542 (o)
(202) 224-7327 (f)
www.reid.senate.gov

U.S. Senator Dean Heller

R–Nevada (6-year term expires in 2019)
8930 West Sunset Rd., Suite 230
Las Vegas, NV 89148
(702) 388-6605 (o)
(702) 388-6501 (f)

324 Hart Senate Building
Washington, DC 20510
(202) 224-6244 (o)
(202) 228-6753 (f)
<http://heller.senate.gov>

U.S. Representative Dina Titus

D–Nevada District 1 (2-year term expires in 2014)
550 East Charleston Blvd. Suite B
Las Vegas, NV 89104
(702) 220-9823 (o)
(702) 220-9841 (f)

401 Cannon House Office Building
Washington, DC 20515
(202) 225-5965 (o)
(202) 225-3119 (f)
(877) 409-2488 toll free
<http://titus.house.gov>

U.S. Representative Mark Amodei

R–Nevada District 2 (2-year term expires in 2014)
5310 Kietzke Lane, Suite 103
Las Vegas, NV 89511
(775) 686-5760 (o)
(775) 686-5711 (f)

222 Cannon House Office Building
Washington, DC 20515
(202) 225-6155 (o)
(202) 225-5679 (f)
<http://amodei.house.gov>

U.S. Representative Joe Heck

R–Nevada District 3 (2-year term expires in 2014)
8872 S. Eastern Ave., Suite 220

Las Vegas, NV 89123
(702) 387-4941 (o)
(702) 837-0728 (f)

132 Cannon HOB
Washington, DC 20515
(202) 225-3252 (o)
(202) 225-2185 (f)

U.S. Representative Steven Horsford

D–Nevada District 3 (2-year term expires in 2014)
2250 Las Vegas Blvd North, Suite 500

North Las Vegas, NV 89030
(702) 802-4500 (o)
1330 Longworth House Building

Washington, DC 20515
(202) 225-9894 (o)
(202) 225-9783 (f)
<http://horsford.house.gov>

Appendix E

Repository Locations

Appendix E Repository Locations

Local Repository

Nevada Division of Environmental Protection
2030 E. Flamingo Rd. Suite 230
Las Vegas NV 89119

James I. Gibson Library
100 W Lake Mead Parkway
Henderson, NV 89015

Appendix F

Local Media Contacts

Appendix F Local Media Contacts

Newspapers

Las Vegas Review Journal
1111 W. Bonanza Road
P.O. Box 70
Las Vegas, NV 89125
(702) 382-7800

The Henderson Press
(702) 425-3006

Radio Stations

KXNT-FM 100.5 FM
7255 South Tenaya Way, Suite 100
Las Vegas, NV 89113
(702) 889-7300

KMXB 94.1 FM
7255 South Tenaya Way, Suite 100
Las Vegas, NV 89113
(702) 257-9400

KQLL 1280 AM
150 Spectrum Blvd.
Las Vegas, NV 89101
(702) 258-0285

KWNR 95.5 FM
2880 Meade Ave, Suite 250
Las Vegas, NV 89102
(702) 238-7300

Television Stations

KVVU-TV FOX5
25 TV5 Dr.
Henderson, NV 89014
(702) 435-5555

KTNV Channel 13 Action News
3355 S. Valley View Blvd.
Las Vegas, NV 89102
(702) 876-1313

Attachment A
Response to NDEP Comments on
Community Involvement Plan
Nevada Environmental Response Trust Site, Henderson, Nevada
Dated April 30, 2012



October 4, 2013

Mr. Weiquan Dong, PE
Bureau of Corrective Actions, Special Projects Branch
Nevada Division of Environmental Protection
2030 E. Flamingo Rd., Suite 230
Las Vegas, Nevada 89119

Re: NERT Response to NDEP June 18, 2013 Comments on the Community Involvement Plan (CIP), Draft, Nevada Environmental Response Trust (Trust), Henderson, Nevada, dated April 30, 2012 (NDEP Facility ID #H-000539)

Dear Mr. Dong:

On behalf of the Nevada Environmental Response Trust (the Trust), ENVIRON International Corporation (ENVIRON) has prepared an annotated response to the Nevada Division of Environmental Protection's (NDEP's) comments on the Draft Community Involvement Plan (CIP). The comments were included as Attachment A in NDEP's letter to the Trust dated June 18, 2013. Our annotated response to comments is provided in Attachment A to this letter.

ENVIRON requests feedback on this submittal from NDEP by October 31, 2013 to ensure a timely delivery of the final CIP on or before December 27, 2013. Please contact John Pekala at (602) 734-7710 if you have any comments or questions concerning this response to comments.

Sincerely,

John M. Pekala, CEM #2347
Senior Manager

Allan J. DeLorme, PE
Principal

Attachment

cc: BMI Compliance Coordinator, NDEP, BCA, Las Vegas
Brian Rakvica, McGinley and Associates, Las Vegas
NDEP c/o McGinley and Associates, Reno

ec: JD Dotchin, NDEP
Greg Lovato, NDEP
Stephen Tyahla, USEPA
Nevada Environmental Response Trust
Tanya O'Neill, Foley & Lardner LLP
Jeff Gibson, AMPAC
Mark Paris, BMI
Lee Farris, Landwell
Ranjit Sahu, BMI
Joe Kelly, Montrose
Paul Sundberg, Montrose

Curt Richards, Olin
Jay Gear, Olin
Davis Share, Olin
Chuck Elmendorf, Stauffer
Nick Pogoncheff, Stauffer
George Crouse, Syngenta
David Hadzinsky, TIMET
Steve Sarandis, GEI Consultants
Kirk Stowers, Broadbent & Associates
Victoria Tyson, Tyson Contracting
Enoe Marcum, WAPA

Attachment A

Response to NDEP's June 18, 2013 Comments on the Community Involvement Plan, Draft, Nevada Environmental Response Trust, Henderson, Nevada, dated April 30, 2012

The NDEP Comments (numbered and italicized) and Response to Comments (RTCs) from ENVIRON on behalf of the Trust are presented below:

1. *General comment, please update all information, including the Fact Sheet and the date of the RI/FS Work Plan finalization.*

Response: ENVIRON will update all applicable information in the Community Involvement Plan (CIP), including the Fact Sheet and the date of the revised RI/FS Work Plan, as requested. The prior Fact Sheet (prepared in December 2011 and distributed to the community by NDEP in March 2012), notices of public meetings (distributed by NDEP and published in local papers in March 2012), the interview questionnaire (distributed by NDEP in March 2012 and during public meetings in April 2012), and an updated Fact Sheet will be included in appendices to the revised CIP.

2. *General comment, the NDEP suggests that the Trust reference the Community Involvement Plan, US Magnesium Superfund Site, Rowley Facility, Tooele County, Utah (USEPA, 2012).*

Response: ENVIRON has reviewed the *Community Involvement Plan, US Magnesium Superfund Site, Rowley Facility, Tooele County, Utah* (US Environmental Protection Agency [USEPA], 2012), and can reference this plan in the revised CIP, if appropriate. ENVIRON would like to discuss this comment with NDEP to better understand the purpose of referencing this document.

3. *General comment, the community stakeholders should also include Central Arizona Project, Metropolitan Water District of Southern California, Southern Nevada Water Authority and City of Henderson.*

Response: ENVIRON will include these organizations as community stakeholders in the revised CIP, as requested.

4. *Section 1.0 Overview of the Community Involvement Plan, the Trust should state that the CIP will be carried to the end of corrective actions at the NERT site.*

Response: ENVIRON will revise Section 1.0 to indicate the CIP will be utilized, and updated as necessary, throughout completion of the corrective actions at the NERT site, as requested.

5. *Section 2.2 Site Description/Location, this section should include brief description of other adjacent properties in the Black. Mountain Industry (BMI) Complex.*

Response: ENVIRON will add a brief description of adjacent properties to Section 2.2, as requested.

6. *Section 3.2 History of Community Involvement. Please provide justification for using 1 mile of the site to conduct the Community Interview Questionnaire.*

Response: The 1-mile radius was identified by NDEP as an appropriate distance from the NERT site to distribute the Community Interview Questionnaire intended to identify the community's concerns and incorporate the input into the CIP. Community Interview Questionnaires were also sent to citizens and other parties that have expressed interest in the BMI project in the past. Names and addresses for residents within the radius were provided by the City of Henderson. Use of the 1-mile radius resulted in NDEP's distribution of approximately 4,000 Community Interview Questionnaires. Based on this distribution and having questionnaires available at two community meetings held by NDEP in April 2012, approximately 20 completed questionnaires were returned from the community.

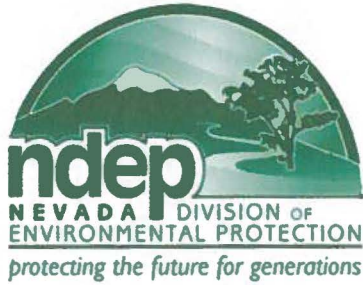
7. *Section 4.1 Community Involvement Activities. The CIC coordinator should be updated to James Dotchin.*

Response: ENVIRON will update the Community Involvement Coordinator (CIC) to James Dotchin as requested.

Reference

US Environmental Protection Agency (USEPA), 2012. Community Involvement Plan, US Magnesium Superfund Site, Rowley Facility, Tooele County, Utah, September.

Attachment B
Community Information and Interview Meeting Mailings
and Community Interview Questionnaire



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

901 S. Stewart Street, Suite 4001 Carson City, Nevada 89701 (775) 687-4670 FAX 687-5856

Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP) and the Nevada Environmental Response Trust announce:

Community Information & Interview Meeting

Discussing the Nevada Environmental Response Trust Site
(formerly known as the Tronox Site and Kerr McGee Site)

Date of Meeting: April 23, 2012
Times: 4:00 pm and 7:00 pm
Meeting Location: Henderson Convention Center
200 South Water Street
Henderson, Nevada 89015

Below is an agenda for both of the scheduled meetings regarding the NV Environmental Response Trust Site (located at 560 West Lake Mead Parkway, Henderson, NV):

- Presentation: Site background and history
- Presentation: Current and future soil and groundwater response activities
- Public Comment and Discussion: Community concerns, information needs, and desired involvement in the cleanup process
- Open Forum: At the close of the presentation and discussion, there will be an open forum for additional community input.

Documents related to the Nevada Environmental Response Trust Site may be viewed by appointment during normal business hours at the Nevada Division of Environmental Protection's Las Vegas office at 2030 East Flamingo Road Suite 230, Las Vegas NV 89119. In addition, significant milestone documents may be viewed online at <http://ndep.nv.gov/bmi/tronox.htm>.

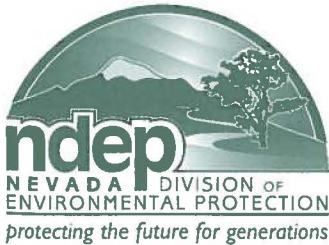
For further information, contact:

Shannon Harbour
NDEP Carson City Office
(775) 687-9332
sharbour@ndep.nv.gov

To schedule a file review, contact:

Christa Smaling
NDEP Las Vegas Office
(702) 486-2850 x 254
csmaling@ndep.nv.gov

Members of the news media or for press inquiries, please contact the NDEP Public Information Officer, Vinson Guthreau at 775-687-9395



STATE OF NEVADA
Department of Conservation & Natural Resources
DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor
Leo M. Drozdoff, P.E., Director
Colleen Cripps, Ph.D., Administrator

March 21, 2012

Re: Community Information and Interview Meetings
Nevada Environmental Response Trust Site (formerly Tronox Site and Kerr-McGee Site)

Dear Resident:


You are receiving this correspondence because you live in the area surrounding the Nevada Environmental Response Trust Site (formerly known as the Tronox Site and Kerr-McGee Site), 560 West Lake Mead Parkway, which is located in an unincorporated section of Clark County, Nevada and is surrounded by the City of Henderson. Attached is a Fact Sheet with some background information on the Site. In connection with this Site, both the Nevada Environmental Response Trust and the Nevada Division of Environmental Protection invite you to attend one of the Community Information and Interview Meetings scheduled for April 23, 2012. In order to best accommodate the schedules of community residents, the first meeting will begin at 4:00 pm and a second meeting will begin at 7:00 pm at the Henderson Convention Center, 200 S. Water Street, Henderson, Nevada 89015.

At these Community Information and Interview Meetings, we will have a brief presentation regarding the background and history of the Nevada Environmental Response Trust Site including the most recent developments by which ownership of the Site changed from Tronox LLC to the Trust. We will also discuss the most recent soil and groundwater cleanup activities that have occurred at the Site, as well as the cleanup activities we expect to occur in the near future. Lastly, we will solicit input from members of the community, like you, about any concerns you may have regarding the Site in addition to how and when you would like to receive future information and updates about the Site. After the presentation, there will be an open forum for additional community input.

If you have any questions regarding the Community Information and Interview Meetings or the Site in general, please to contact Shannon Harbour of the Nevada Division of Environmental Protection, at (775) 687-9332 or sharbour@ndep.nv.gov. Documents related to the Nevada Environmental Response Trust Site can be viewed during normal business hours at NDEP's Las Vegas office, 2030 E. Flamingo Rd. Suite 230, Las Vegas NV 89119. File reviews generally require one business day notice. Please contact Christa Smaling at 702-486-2850 x 254 or csmaling@ndep.nv.gov to schedule a file review. In addition, significant milestone documents may be viewed online at <http://ndep.nv.gov/bmi/tronox.htm>.

Thank you for your time and we look forward to seeing you at one of the Community Information and Interview Meetings on April 23, 2012 scheduled at 4:00 pm and again at 7:00 pm at the Henderson Convention Center. If you are unable to attend either of the Community Information and Interview Meetings, please consider filling out the enclosed Community Interview Questionnaire and returning it to us in the enclosed self-addressed stamped envelope as we greatly value your input as we continue the cleanup process at the Nevada Environmental Response Trust Site.

Sincerely,



Greg Lovato, P.E.
Bureau Chief
Bureau of Corrective Actions
Nevada Division of Environmental Protection
Fax: (775) 687-8335

Enclosures



**COMMUNITY INTERVIEW QUESTIONNAIRE
NEVADA ENVIRONMENTAL RESPONSE TRUST SITE
HENDERSON, NEVADA**

1. Would you like to receive additional information regarding the Nevada Environmental Response Trust Site or the remediation project described in the Fact Sheet? If so, how would you prefer to receive such information?

2. What information regarding the Site or the remediation project would you most like to know?

3. In your opinion, what information is most important and/or relevant to the community with regard to the Site?

4. You are free to respond anonymously, however, if you would like to be contacted directly, please provide your name, address, phone number and e-mail address, if applicable.



STATE OF NEVADA
Department of Conservation & Natural Resources
DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor
Leo M. Drozdoff, P.E., Director
Colleen Cripps, Ph.D., Administrator

March 30, 2012

Re: Community Information and Interview Meetings: Missing Fact Sheet
Nevada Environmental Response Trust Site (formerly Tronox Site and Kerr-McGee Site)

Dear Resident:

It has come to my attention that a mailing you received last week that did not contain the enclosed fact sheet referenced in the letter. This mailing was sent on behalf of the Nevada Division of Environmental Protection (NDEP), the state agency with regulatory oversight of site assessment and corrective action activities at the Nevada Environmental Response Trust Site (formerly Tronox and Kerr McGee Site) in the Black Mountain Industrial Complex. I apologize for this oversight. The fact sheet is enclosed with this letter.

If you have any questions regarding the Community Information and Interview Meetings or the Site in general, please to contact Shannon Harbour of the Nevada Division of Environmental Protection, at (775) 687-9332 or sharbour@ndep.nv.gov. Documents related to the Nevada Environmental Response Trust Site can be viewed during normal business hours at NDEP's Las Vegas office, 2030 E. Flamingo Rd. Suite 230, Las Vegas NV 89119. File reviews generally require one business day notice. Please contact Christa Smaling at 702-486-2850 x 254 or csmaling@ndep.nv.gov to schedule a file review. In addition, significant milestone documents may be viewed online at <http://ndep.nv.gov/bmi/tronox.htm>.

Thank you for your time and we look forward to seeing you at one of the Community Information and Interview Meetings on April 23, 2012 scheduled at 4:00 pm and again at 7:00 pm at the Henderson Convention Center.

Sincerely,

Greg Lovato, P.E.
Bureau Chief
Bureau of Corrective Actions
Nevada Division of Environmental Protection

Enclosure



Nevada Environmental Response Trust Site Fact Sheet for Summer 2011

The Nevada Environmental Response Trust (“NERT”) Site, which was previously known as the Tronox LLC (“Tronox”), formerly Kerr-McGee Chemical LLC, Henderson Facility, is located within the Black Mountain Industrial (“BMI”) complex near Henderson, Nevada. The Site is approximately 450 acres in size and is located 13 miles southeast of Las Vegas, Nevada in an unincorporated section of Clark County, Nevada. It is completely surrounded by the incorporated area comprising the City of Henderson (“COH”).

Site History

The BMI complex has been the site of industrial operations since 1942 and was originally sited and operated by the U.S. government as a magnesium production plant in support of the World War II effort.

Following the war, a portion of the complex was leased by Western Electrochemical Company (“WECCO”). By August 1952, WECCO had purchased several portions of the complex, including six of the large unit buildings, and produced manganese dioxide, sodium chlorate and various perchlorates. In addition, in the early 1950s, pursuant to a contract with the U.S. Navy, WECCO constructed and operated a plant to produce ammonium perchlorate on land purchased by the Navy. In 1956, WECCO merged with American Potash and Chemical Company (“AP&CC”) and continued to operate the processes, with the Navy’s continued involvement in the ammonium perchlorate process. In 1962, AP&CC purchased the ammonium perchlorate plant from the Navy, but continued to supply the Navy, and its contractors, material from the operating process. AP&CC merged with Kerr-McGee Corporation (“Kerr-McGee”) in 1967. This merger included boron production processes in California, which were moved to Henderson and began operation in the early 1970s. These included elemental boron, boron trichloride and boron tribromide. In 1994, the boron tribromide process was shut down and dismantled. In 1997, the sodium chlorate process was shut down and in 1998, production of commercial ammonium perchlorate ended as well. The ammonium



Air Photo of Tronox LLC Site



Site Location

perchlorate production equipment was used to reclaim perchlorate from on-site materials until early 2002, when the equipment was permanently shut down. In 2005, Kerr-McGee Chemical LLC’s name was changed to Tronox LLC, and in 2009 Tronox filed for bankruptcy. The NERT was established as part of Tronox’s reorganization and in February, 2011 became the owner of the property that was previously owned by Tronox. Tronox leases back a portion of the site from the NERT for production of manganese dioxide, boron trichloride and elemental boron. Tronox has also recently renovated Unit Building 4 for its Advanced Battery Material (“ABM”) production process, which is anticipated to begin operation in the near future.

Site Investigation and Remediation

A groundwater investigation was initiated by Tronox in July 1981 to comply with the federal Resource Conservation and Recovery Act (“RCRA”) standards for monitoring the existing on-site impoundments. In December, 1983, the Nevada Division of Environmental Protection (“NDEP”) requested that Tronox investigate the extent of chromium impact in the groundwater beneath the facility.

A Consent Order between Tronox and NDEP, prepared in September 1986, required additional groundwater characterization and the implementation of response activities to address chromium in the groundwater. As a result of the 1986 Consent Order, monitor wells, groundwater interceptor wells, a groundwater treatment system for chromium reduction, and two treated-groundwater injection trenches were installed, and the treatment of groundwater began in mid-1987. This treatment is on-going today although the injection trenches are not currently utilized.

In April 1991, Tronox was one of six companies that entered into a Consent Agreement with NDEP to conduct environmental studies to assess site-specific environmental conditions resulting from past and present industrial operations and waste disposal practices. The six companies that entered into the Consent Agreement included those past or present entities that conducted business within the BMI complex. The Consent Agreement specified that, among other things, the companies identify, document or address soil, surface water, groundwater or air impacts and document measures that have been taken to address environmental impacts from their respective sites.

In April 1993, in compliance with the 1991 Consent Agreement, Tronox submitted the Phase I Environmental Conditions Assessment (“ECA”) to NDEP. The purpose of the ECA was to identify and document site-specific environmental impacts resulting from past or present industrial activities. The Phase I ECA included an assessment of the geologic and hydrologic setting, as well as historical manufacturing activities. In 1994, NDEP issued a letter of understanding (“LOU”) that identified 69 data gap areas which needed additional information, either in the form of additional document research or field sampling of site conditions.

During the mid to late 1990s, Tronox collected additional data to fill the data gaps identified in the LOU. This was done by investigating past operator records as well as through field sampling. Results of this work are described in a Phase II Written Response to the LOU, a Phase II ECA, and a Supplemental Phase II ECA, the latter two of which were reports describing the results of field sampling of groundwater and soils. Through this effort, potential environmental impacts associated with the 69 LOU areas were evaluated.

In 1997, perchlorate was discovered in the Las Vegas Wash vicinity and this aspect of the ECA was placed on a response fast-track. Impact characterization and treatment methodology evaluation were on-going in the late 1990s, along with the installation of a seep water collection system adjacent to the Las Vegas Wash to mitigate the discharge of perchlorate and a temporary ion exchange (“IX”) treatment system to treat perchlorate-impacted groundwater.

This environmental response process began operation in November 1999. Tronox and NDEP entered into a 1999 Consent Agreement, which defined additional response requirements and looked forward to a treatment process that would replace the

temporary IX treatment system. After considerable research and process development, a replacement treatment technology was developed. In October, 2001 Tronox and NDEP entered into an Administrative Order on Consent (“AOC”) that defined the replacement treatment process, which required Tronox to install additional extraction well systems and construct an on-site groundwater treatment facility. The current groundwater treatment facility includes granular activated, biological fluidized bed reactors, as well as a ferrous sulfate system. Following treatment, all extracted water is discharged to Las Vegas Wash under a National Pollutant Discharge Elimination System permit. A semi-annual remedial performance report covering performance data for both the chromium and perchlorate remediation programs during the period from July, 2010 through December, 2010 was submitted to NDEP in March, 2011. An Annual Remedial Performance Report was submitted to NDEP on August 26, 2011.

In 2004, a list of Site-related chemicals was developed based upon investigations associated with operations at the Site. This list included raw materials, process chemicals, and intermediates, as well as products of all current and previous manufacturers at the Site. In 2005, a Conceptual Site Model (“CSM”) was prepared for the Site, which consolidated information gathered regarding environmental impact, both known and potential.

Tronox implemented two soil sampling programs (known as Phase A and B Source Investigations) that were completed in 2006 and 2009, respectively. These investigations identified a number of constituents in excess of state Basic Comparison Level (“BCL”) criteria within the upper 10 feet of soil, including dioxin TEQ, hexachlorobenzene, other semivolatile organic compounds, PCBs, asbestos, metals, organochlorine pesticides, and perchlorate. In an order dated December 14, 2009, NDEP directed Tronox to remove all soil containing chemicals of potential concern in excess of worker BCLs (or modified risk-based goals agreed upon by NDEP) from the site by the end of 2010. NERT is not regulated under any of the Kerr-McGee/Tronox consent agreements or administrative orders on consent, and is completing the soil removal program consistent with an Interim Consent Agreement.

For the purposes of soil remediation activities, the main contaminated portions of the Site were divided into the five separate remediation zones (“RZ”) listed below:

- RZ-A: an area on the southern portion of the Site
- RZ-B: the area around the Unit buildings
- RZ-C: the ammonia perchlorate production area, Koch Materials area, pond and diesel storage tank area, and manganese tailings area
- RZ-D: the Trade Effluent ponds and ammonium perchlorate pad/drum recycling area (including the hazardous waste landfill)
- RZ-E: the Beta Ditch

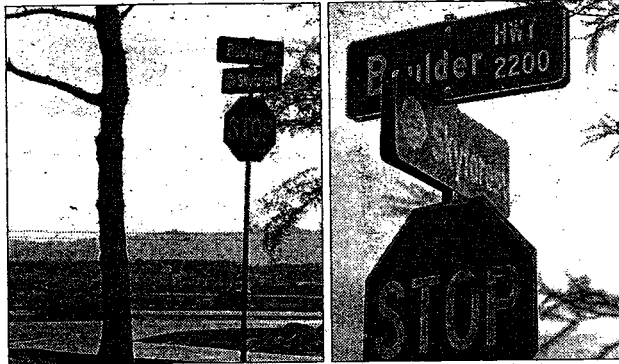
Soil sampling in RZ-A did not identify soils exceeding NDEP cleanup criteria, and therefore excavation activities were not planned in this area. A Human Health Risk Assessment prepared for RZ-A concluded that COPC concentrations remaining in soil did not result in unacceptable risks and has been approved by NDEP. Tronox’s consultant prepared a workplan describing a strategy for excavating chemically impacted soil within the upper 10 feet of soil in areas RZ-B through E, to the extent such

soils were accessible. These response activities commenced during 2010. As of November 7, 2011, approximately 930,000 tons of contaminated soil had been excavated. Upon completion of these removal activities, a completion report will be prepared for all five remediation zones. Certain impacted soils within the remediation zones that cannot be excavated due to physical constraints or other access issues will be addressed through institutional controls, such as environmental covenants that will run with the land.

A project milestone schedule covering the overall progress of current and future site activities is available on the NDEP web site (<http://ndep.nv.gov/bmi/tronox.htm>).

Attachment C
Newspaper Announcements

Suicide suspected in death of man hit and killed on roadway



Buford Davis | THP

A 59-year-old man was struck and killed, while walking in the middle of North Boulder Highway near Skyforest Drive in Henderson on April 18.

By **Carla J. Zvosec**
Editor

A 59-year-old man who was walking in the middle lane of North Boulder Highway with his back turned to traffic was struck and killed in the early morning hours of Wednesday, April 18.

The accident occurred at about 1:10 a.m. when a 2005 Pontiac Grand Am, which was

headed southbound on North Boulder Highway, hit the man. The car was driven by Sasha Harris, 30, and the accident happened near the intersection of Skyforest Drive.

The man, pronounced dead at the scene, was not attempting to cross the road; investigators are following up on information that he may have been trying to commit suicide. Earlier in the day, he apparently had

been talking to some people in the area of the accident about committing suicide. Investigators are trying to locate those individuals to help verify the information.

In a secondary collision, a 1978 Ford pickup driven by Johnny Herrera, of Spokane, Wash., a witness to the pedestrian accident, was struck. Herrera stopped to help at the initial accident scene, when his truck was hit by an unknown silver vehicle that fled the scene.

The southbound lanes of Boulder Highway were closed for about three hours, while the investigation was conducted. The preliminary investigation into the pedestrian accident indicates that, regarding Harris, drugs, alcohol or speed did not play a role in the accident.

The victim's name will be released by the Clark County Coroner's office after his family has been notified.

So far this year, Henderson has seen seven fatalities that occurred in four fatal accidents.

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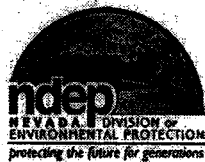
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Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

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Community Information & Interview Meeting

Discussing the Nevada Environmental Response Trust Site
(formerly known as the Tronox Site and Kerr McGee Site)

Date of Meeting: April 23, 2012
Times: 4:00 pm and 7:00 pm
Meeting Location: Henderson Convention Center
200 South Water Street Henderson, Nevada 89015

Below is an agenda for both of the scheduled meetings regarding the NV Environmental Response Trust Site (located at 560 West Lake Mead Parkway, Henderson, NV):

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NDEP Carson City Office
(775) 687-9332
sharhour@ndep.nv.gov

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Vol. 3, No. 13

www.hendersonpress.com

March 29-April 4, 2012 FREE

Snow's job

Former RTC chief takes over as city manager in April

By Buford Davis
Reporter

Jacob Snow is set to become Henderson's next city manager after the City Council approved his proposed contract on March 20.

"Every government I know of is in the business of having to make do with less," said Snow shortly after the contract approval. "Those aren't the more pleasant discussions to

have or actions to take, but I think it's easy to manage when times are good. When times are tough, like we have now, that's when we really need to get creative."

Snow's three-year contract will pay him \$225,000 annually, which has been the salary of the city manager since 2007. Snow will not receive a car allowance or longevity

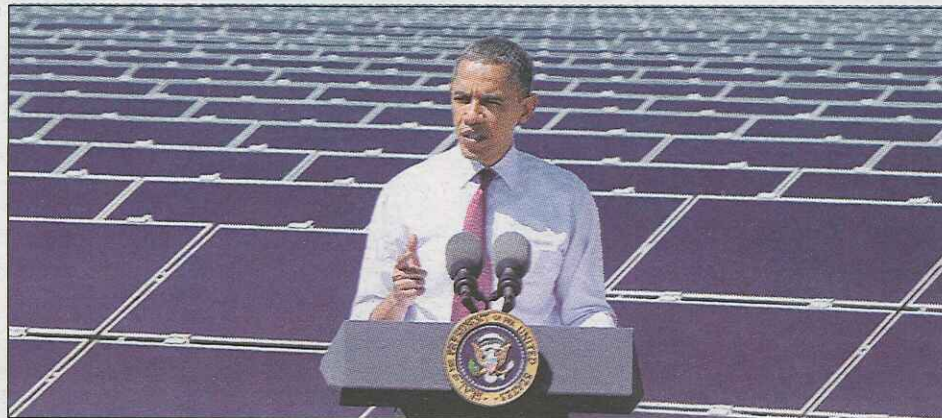
—continued on PAGE 6



Buford Davis | THP

Jacob Snow sits with his wife, Cheryl, waiting approval of his contract to become Henderson's next city manager. Snow is set to be sworn in on April 2.

Obama pushes solar at Boulder City stop



Courtesy of Semptra U.S. Gas & Power

President Barack Obama's three-hour stop in Southern Nevada on March 21 was part of pitch for clean-energy production. The president's energy policies have been the focus of Republican criticism in the face of high fuel prices.

By Buford Davis
Reporter

President Barack Obama highlighted his administration's clean-energy initiatives at a brief stop in Southern Nevada on Wednesday, March 21.

"If some politicians have their way, there won't be any more public investments in solar energy," Obama told a

modest crowd in the center of nearly a million solar panels at the Copper Mountain Solar 1 facility, the largest photovoltaic solar plant in the United States. "These politicians need to come to Boulder City and see what I'm seeing."

A day earlier, the U.S. Commerce Department placed tariffs on solar panel imports from China, which Obama

said "wasn't playing fair when it came to solar power. And so, we took the first step toward leveling the playing field, because my attitude is, when the playing field is level, then American workers and American businesses are always going to win."

The president's visit was part of a four-state tour to advocate clean-energy production.

INSIDE

3 Simplify your life! A clip and save DMV kiosk locations map for your convenience

5 Reshaping downtown—revitalization plans set for city until 2025

Convicted veterans get help through new court program geared toward service members

10 Regis University aims to serve community, help build workforce

Economic indicators show slow growth into summertime

11 Studies show link between lack of sleep and heart disease



See our ad on page 7

Henderson home invaded, robbed

Homeowner taken to hospital after being attacked, stabbed several times

By Carla J. Zvosec
Editor

A 50-year-old Henderson homeowner was stabbed several times during a home invasion robbery on March 23. His wife, who was also home at the time of the attack, was not injured during the incident.

Detectives from the Henderson Police Department were told that four men, one of whom spoke with a heavy accent, wearing hoods and masks entered the couples' home on Inveraray Court, located within The Grand Legacy guard-gated community near Green Valley and Wigway parkways in

Green Valley, at about 8 p.m. on Friday.

The suspects stole cash and jewelry from the home. Police do not believe the crime was random, and the investigation is still under way.

The stabbing victim was taken to an area hospital and is expected to recover from his wounds.



Carla J. Zvosec | THP

A Henderson home located on Inveraray Court in The Grand Legacy guard-gated community, was invaded and robbed by four masked, hooded men who stabbed one of the homeowners, a 50-year-old man, several times on Friday, March 23.

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See ad on page 6

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Police Blotter—March 12 through March 18

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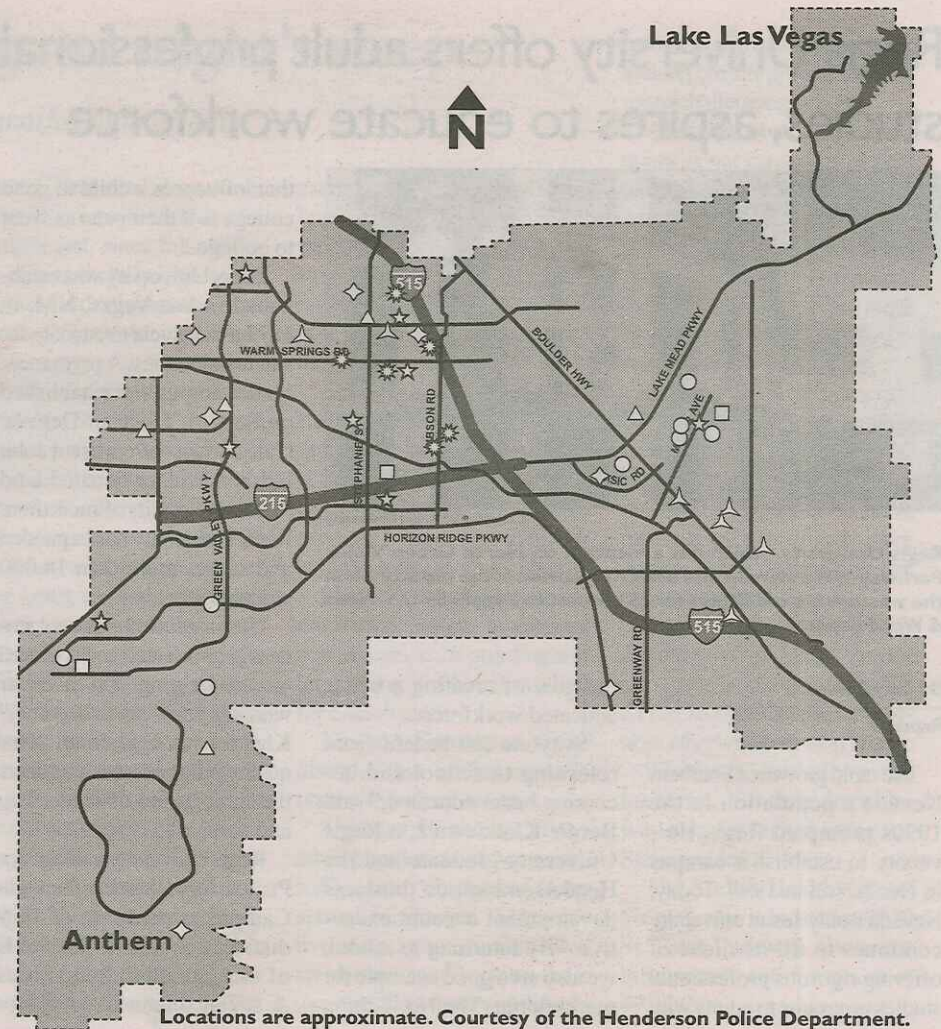
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Locations are approximate. Courtesy of the Henderson Police Department.

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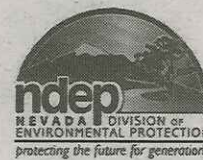
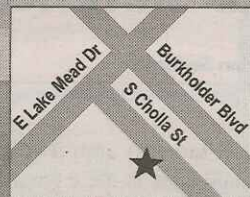
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"If this guy was in the cockpit, he would have crashed the plane."

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STEVE DOUGLAS/THE ASSOCIATED PRESS

Emergency workers tend to a JetBlue captain after a Las Vegas-bound jetliner made an emergency landing Tuesday in Amarillo, Texas. The pilot was subdued by passengers who said he was screaming about al-Qaida, Iraq and Iran and a possible bomb on the plane. The co-pilot locked the cockpit during the episode. An off-duty pilot who had been a passenger took over the flight, the airline said.

Alarmed passengers subdue pilot during in-flight episode

By ANTONIO PLANAS, OSKAR GARCIA and BETSY BLANEY
REVIEW-JOURNAL STAFF AND WIRE REPORTS

Peter Karoczkai got an early indication that something was amiss with the pilot on his JetBlue flight when the man forced his way into the bathroom while a woman was washing her hands.

"This is crazy, the captain just broke into the bathroom," Karoczkai recalled the woman,

LV-bound jet made emergency landing

a co-worker, saying. The two joked about how the pilot must have eaten some spicy food.

Things got serious quickly on Tuesday for Karoczkai and other passengers aboard JetBlue Airways Flight 191, which departed from New

York's John F. Kennedy International Airport and was headed for McCarran International Airport. Passengers described frenzied moments when the pilot, Clayton Osbon, moved quickly from the back of the plane to a locked cockpit and began banging on the door while screaming incoherently.

"Bring it to idle. Bring it

▶ SEE PILOT PAGE 8A
'We're going down!'

HEALTH CARE OVERHAUL

Insurance mandate splits court

Conservative justices probe limits of government's power

By ROBERT BARNES and N.C. AIZENMAN

THE WASHINGTON POST

WASHINGTON — The Supreme Court's conservative justices appeared skeptical Tuesday that a key component of President Barack Obama's health care law is constitutional, endangering the most ambitious domestic program to emerge from Congress in decades.

In an intense interrogation of the government's lawyer, Solicitor General Donald Verrilli, the justices posed repeated and largely unanswered questions about the limits of federal power.

At the end of two hours, the court seemed split on the same question that has divided political leaders and the country: whether the Constitution gives Congress the power to compel Americans to either buy health insurance or pay a penalty.

The answer is likely to come from Justice Anthony Kennedy or Chief Justice John Roberts.

Both men fully joined in the rough 60 minutes of questioning for Verrilli. But they indicated that the case might be a closer call for them than for their col-

leagues.

If either were to save the health care law — championed by Obama, passed by a Democratic-controlled Congress in 2010 and increasingly unpopular in public opinion polls — it seemingly would require a judgment that there is something unique about the health care market that allows such regulation and that some line could be drawn to limit the government's claim of federal power.

Tuesday's arguments were the most dramatic so far of the Supreme Court's three days of hearings on the Patient Protection and Affordable Care Act, and the session was perhaps the most remarkable one since the court ended the 2000 presidential election with its decision in Bush vs. Gore.

Outside the courthouse, one demonstrator dressed as Lady Liberty, while another posed as a prisoner with a ball and chain. Down the street, Rep. Michele Bachmann, R-Minn., rallied tea party supporters. Inside the chamber, Cabinet secretaries and members of Congress were

▶ SEE MANDATE PAGE 5A
Today, court looks at Medicaid, states

PLUS Reid urges caution in trying to predict how justices will rule. ▶ PAGE 5A

Foundation audit finds questionable expenses

By KRISTI JOURDAN and BRIAN HAYNES
LAS VEGAS REVIEW-JOURNAL



Kathleen Vermillion
Ex-Henderson councilwoman

A forensic auditor who stud

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 Small black dog, found in Southern Highlands on Cactus Call 463-8005 to ID
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Public Announcements

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NOTICE OF COMMUNITY INFORMATION AND INTERVIEW MEETING The Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP) and the Nevada Environmental Response Trust will discuss the Nevada Environmental Response Trust Site (formerly known as the Tronox Site and Kerr McGee Site) on April 23, 2012 at 4:00 pm and 7:00 pm at the Henderson Convention Center, 200 South Water Street, Henderson, Nevada 89015. The agenda for both of the scheduled meetings regarding the Nevada Environmental Response Trust Site (located at 560 West Lake Mead Parkway, Henderson, NV) will include: (1) a presentation on the site background and history; (2) a presentation on the current and future soil and groundwater response activities; (3) public comment and discussion regarding community concerns, information needs, and desired involvement in the cleanup process; and (4) an open forum at the close of the presentation and discussion for additional community input. Documents related to the Nevada Environmental Response Trust Site may be viewed by appointment during normal business hours at the Nevada Division of Environmental Protection's Las Vegas office at 2030 East Flamingo Road Suite 230, Las Vegas NV 89119. In addition, significant milestone documents may be viewed online at http://ndep.nv.gov/bmi/tronox.htm. For further information, contact: Shannon Harbour, NDEP Carson City Office, (775) 687-9332, shharbour@ndep.nv.gov To schedule a file review, contact: Christa Smaling, NDEP Las Vegas Office; (702) 486-2850, ext 254; csmaling@ndep.nv.gov Members of the news media or for press inquiries, please contact the NDEP Public Information Officer, Vinson Guthreau at 775-687-9395.

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Answer:

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 Answer: When they were up above Sydney, they were — DOWN UNDER

THAT SCRAMBLED WORD GAME

by David L. Hoyt and Jeff Knurek

I'm writing you a citation! You'll pay dearly for this.

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- The Hidden Job Market

9:50am-10:50am Choose only one subject for your second session:

- My Skills, My Future
- Interviewing: What to Bring, What to Say, What to Ask

Attachment D
April 23, 2012 Community Interview
Meeting Presentation and Sign-in Sheet

Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP)
 and the Nevada Environmental Response Trust
 Community Information and Interview Meeting
 April 23, 2012

4 PM

Name	Address	Phone Number	Email Address	Do you want to receive information in the future?
Andrea Sommar	1540 Palm St, Nend.	(702) 767-2843	AndreaNV@cox.net	Yes
Gary Miller	Dept Air Quality	702-455-5188	miller.g@clackent.nv.gov	no
John Holmstrom	1118 San Eduardo	465-6707	john.holmstrom@fox-co-	yes
Steve Tyahla	75 Hawthorne St, SF	(415) 972-3466	tyahla.stephen@epa.gov	
Anna Hestenes	15 New Mexico Way	Henderson NV 89015	Anna-Hestenes@cox.net	yes
2 Elmer & Johanna Bartelt	211 Denver Way	Henderson, NV 89015	rodeanena@hotmail.com	yes
James Collins	638 W. Victory	702-450-5949	jamelc@thevisagroup.net	yes
Alex Stater	560 W. Lake Mead			no
2 adults 2 children Tanya Dritz	288 Pastel Cloud	702-575-3339		
John Brawell	416 PerLife St	565-4984		?
Stephanne Zimmerman	875 W. Warm Springs Road	567 0400	szimmerman@landwellco.com	Yes
Ty Salazar	4500 Warner Cr. ^{W. side}	702-576-2021	tsalazar@kason.com	Yes
Ed Hall	611 Buchanan Ave.	(702) 565-7321		Yes

Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP)
 and the Nevada Environmental Response Trust
 Community Information and Interview Meeting
 April 23, 2012

4 PM

Name	Address	Phone Number	Email Address	Do you want to receive information in the future?
Laverne Tinker	217 Bismark Way	564-6202		yes
Mike Skromyda	Tronox			
Scott Haigh	Tronox			

23 Adults 2 children for 4 PM

Nevada Department of Conservation and Natural Resources, Division of Environmental Protection (NDEP)
 and the Nevada Environmental Response Trust
 Community Information and Interview Meeting
 April 23, 2012

7 PM

Name	Address	Phone Number	Email Address	Do you want to receive information in the future?
Victoria Coda	245 Pastel Cloud Henderson 89015	558-5099	rivermaniac2@earthlink.net	Yes
STEVE SESSUMS	138 CAMINO CAPRI 89012	565-0106	PLANEWAZER@HOTMAIL.COM	YES
2 Robert Rynda Mary Speers	96 Wagon Box Rd	566-9905	bikerandhiker@hotmail.com	yes
Charlene Black	147 W. Victory Rd	564-1492	cbpls@earthlink.net	yes
Ralph Peters	1601 Athol Ave	564-7453		
2 Carly & David Held	281 Jessica Grove St 89015	405-0715	carlyheld@gmail.com	yes

11 ADULTS + 1 CHILD @ 7:00 PM mtg

Nevada Environmental Response Trust Site Project Status and Future Actions

Nevada Division of Environmental Protection (NDEP)
Nevada Environmental Response Trust (NERT)
ENVIRON International Corporation (Environmental
Consultant to NERT)

April 23, 2012

Nevada Environmental Response Trust (NERT) Site



- 450 Acre Site
- Located in Henderson, NV
- Active Industrial Facility (Tronox, LLC)
- Adjacent Active Industrial Facilities (Timet, L'Hoist, WAPA and Others)

Parties Involved

- NDEP: Nevada Division of Environmental Protection
- NERT: Nevada Environmental Response Trust
- ENVIRON: ENVIRON International Corporation
 - Environmental Consultant to NERT

Site History

- 1940s: Magnesium Production for WWII effort (US Gov't)
- 1950s-1960s: Manganese dioxide, sodium chlorate, perchlorates (WECCO, American Potash & Chemical Co., United States Navy)
- Early 1970s: elemental boron, boron trichloride and boron tribromide production began (Kerr-McGee)
- 1990s: Production ceased: boron tribromide (1994), sodium chlorate (1997), and ammonium perchlorate (1998)
- Perchlorate reclamation from on-site materials until 2002
- 2005: Kerr-McGee became Tronox LLC
- 2009: Tronox LLC filed for bankruptcy
- 2011: Tronox LLC reorganization; NERT established



Primary Contaminants of Concern

- Metals (e.g. arsenic, chromium VI, manganese)
- Perchlorate
- Dioxins/Furans

Accomplishments to Date

- Soil Characterization
- Large-Scale Soil Excavation and Off-Site Disposal
- Groundwater Characterization
- Groundwater Extraction and Treatment
- Groundwater Monitoring

Soil Removal Action

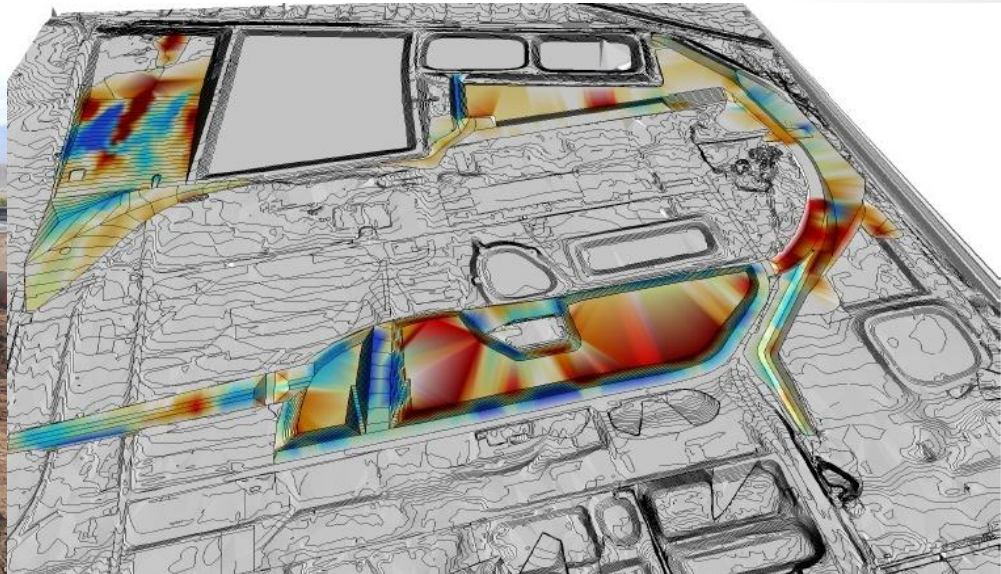
- 930,461 tons of contaminated soil removed
- ~115 acres
- Monitoring for worker and neighbor health/safety
- Disposal of impacted soil at Apex Landfill



Backfill / Grading



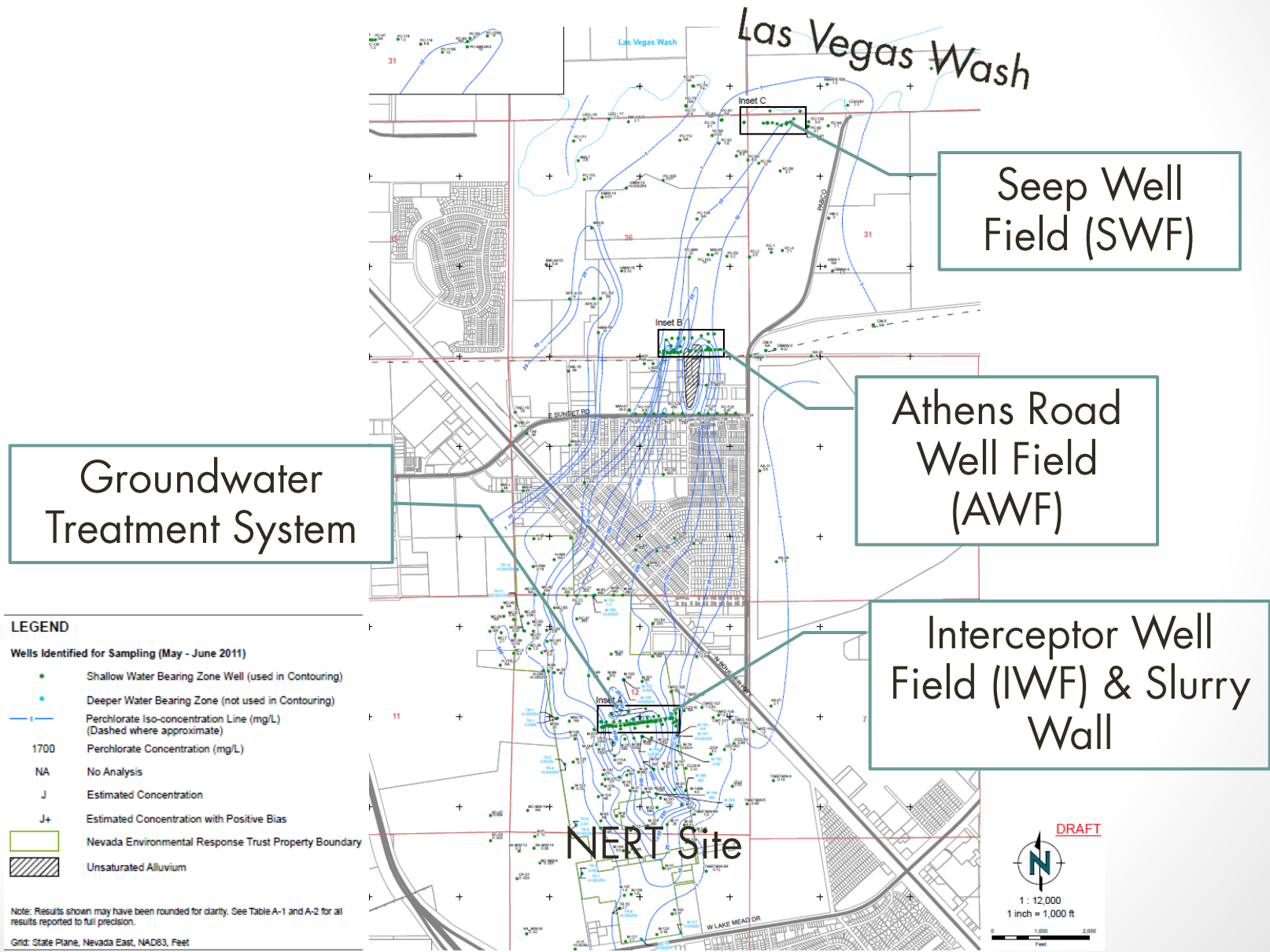
- 407,072 tons of clean imported backfill placed
- Site Grading
- Site Restoration



Site Management Plan

- Identifies Excavation Control Areas (ECAs)
 - Inaccessible contaminated soil
 - Unknown conditions and/or limited analytical information
 - Soils >10 ft below original grade
- Soil Management Protocols for:
 - ECA Soils
 - Previously Unknown Contaminated Soils
- Groundwater Risk Management Protocols

Perchlorate Plume and GWETS



Groundwater Extraction and Treatment System

- Three discrete extraction well fields
 - On-Site: Interceptor Well Field (IWF)
 - Galleria Drive: Athens Road Well Field (AWF)
 - Near Las Vegas Wash: Seep Well Field (SWF)
- On-site groundwater treatment facility - permitted discharge under the Clean Water Act (NPDES)
 - Carbon adsorption
 - Chemical precipitation
 - Fluidized-bed biological treatment
 - Discharge to Las Vegas Wash
- Stable operation and consistent compliance with NPDES permit limitations

Groundwater Monitoring

- ~300 Groundwater Wells monitored regularly
 - ~50 wells sampled monthly
 - ~150 wells sampled quarterly
 - ~300 wells sampled annually
- Treatment plant monitoring as required by permit
- Primary chemicals monitored are chromium and perchlorate
- Also monitoring for total dissolved solids (TDS), nitrate, chlorate, and pH

Site Remediation Strategy

Remediation Program – Primary Issues

- Groundwater plume containing perchlorate and other chemicals extending off-site to the north
 - Primarily in the shallow (alluvial) aquifer
- Residual Sources
 - Deep (>10 feet) vadose zone soils containing perchlorate and other chemicals
 - Inaccessible soils containing perchlorate and other chemicals

Remedial Investigation/Feasibility Study (RI/FS)

Plan for 2012-2013

- RI/FS Work Plan
 - Identify Data Quality Objectives
 - Identify Data Gaps
 - Preliminary Identification of Likely Response Scenarios and Remedial Action Objectives
- Remedial Investigation (RI)
 - Summary and Analysis of Existing Site Data
 - Capture Zone Evaluation and Groundwater Model Development
 - Data Gap Investigation (as required)
 - Treatability Study Work Plan and Implementation
 - Baseline Risk Assessment

Remedial Investigation/Feasibility Study (RI/FS)

Plan for 2012-2013

- Feasibility Study
 - Development of Remedial Action Objectives
 - Detailed Analysis of Remedial Alternatives
 - Proposed Remedy Selection
- Public Participation
 - Community Involvement Plan
 - Community Meetings
 - Public Comment Opportunities
 - Documentation/Information Available to the Community

Community Interview Questionnaire

- Would you like to receive additional information regarding the Nevada Environmental Response Trust Site or the remediation project described in the Fact Sheet? If so, how would you prefer to receive such information?
- What information about the Site or the remediation project would you most like to know?
- In your opinion, what information is most important and/or relevant to the community regarding the Site?
- You are free to respond anonymously, however, if you would like to be contacted directly, please provide your name, address, phone number and email address if applicable.

Questions/Comments

Attachment E
Nevada Environmental Response Trust Site Fact Sheet

Nevada Environmental Response Trust Site Fact Sheet for December 2013

The Nevada Environmental Response Trust (the “NERT”) Site, which was previously known as the Tronox LLC (“Tronox”), formerly Kerr-McGee Chemical LLC, Henderson Facility, is located within the Black Mountain Industrial (“BMI”) complex near Henderson, Nevada. The Site is approximately 410 acres in size and is located 13 miles southeast of Las Vegas, Nevada in an unincorporated section of Clark County, Nevada. It is completely surrounded by the incorporated area comprising the City of Henderson (“COH”).



Site Location

Site History

The BMI complex has been the site of industrial operations since 1942 and was originally sited and operated by the U.S. government as a magnesium production plant in support of the World War II effort. Following the war, a portion of the complex was leased by Western Electrochemical Company (“WECCO”). By August 1952, WECCO had purchased several portions of the complex, including six of the large unit buildings, and produced manganese dioxide, sodium chlorate and various perchlorates. In addition, in the early 1950s, pursuant to a contract with the U.S. Navy, WECCO constructed and operated a plant to produce ammonium perchlorate on land purchased by the Navy. In 1956, WECCO merged with American Potash and Chemical Company (“AP&CC”) and continued to operate the processes, with the Navy’s continued involvement in the ammonium perchlorate process. In 1962, AP&CC purchased the ammonium perchlorate plant from the Navy, but continued to supply the Navy, and its contractors, material from the operating process. AP&CC merged with Kerr-McGee Corporation (“Kerr-McGee”) in 1967. This merger included boron production processes in California, which were moved to Henderson and began operation in the early 1970s. These included elemental boron, boron trichloride and boron tribromide. In 1994, the boron tribromide process was shut down and dismantled. In 1997, the sodium chlorate process was shut down and in 1998, production of commercial ammonium perchlorate ended as well. The ammonium perchlorate production equipment was used to reclaim perchlorate from on-site materials until early 2002, when the equipment was permanently shut down. In 2005, Kerr-McGee Chemical LLC’s name was changed to Tronox LLC (“Tronox”), and in 2009 Tronox filed for bankruptcy. NERT was established as part of Tronox’s reorganization and in February 2011 became the owner of the property that was previously owned by Tronox. Tronox leases back a portion of the Site from NERT for production of manganese dioxide, boron trichloride and elemental boron. Tronox has also recently renovated Unit Building 4 for its Advanced Battery Material (“ABM”) production process.



Site Investigation and Remediation

In response to the 1972 Federal Water Pollution Control Act (the Clean Water Act ["CWA"]), Kerr-McGee modified its manufacturing processes and constructed lined surface impoundments to recycle and evaporate industrial wastewater. The facility achieved zero-discharge status in 1976 regarding industrial wastewater management, and in February 1977, Kerr-McGee obtained a National Pollutant Discharge Elimination System ("NPDES") permit under the CWA authorizing up to 4 million gallons per day discharge of non-contact cooling water to Las Vegas Wash. A groundwater investigation was initiated by Tronox in July 1981 to comply with the federal Resource Conservation and Recovery Act ("RCRA") standards for monitoring the existing on-site impoundments. In December 1983, the Nevada Division of Environmental Protection ("NDEP") requested that Tronox investigate the extent of chromium impact in the groundwater beneath the facility.

A Consent Order between Tronox and NDEP, prepared in September 1986, required additional groundwater characterization and the implementation of response activities to address chromium in the groundwater. As a result of the 1986 Consent Order, monitoring wells, groundwater interceptor wells, a groundwater treatment system for chromium reduction, and two treated-groundwater injection trenches were installed, and the treatment of hexavalent chromium in groundwater began in mid-1987. This treatment is on-going today although the injection trenches are not currently utilized.

In April 1991, Tronox was one of six companies that entered into a Consent Agreement with NDEP to conduct environmental studies to assess site-specific environmental conditions resulting from past and present industrial operations and waste disposal practices. The six companies that entered into the Consent Agreement included those past or present entities that conducted business within the BMI complex. The Consent Agreement specified that, among other things, the companies identify, document or address soil, surface water, groundwater or air impacts and document measures that have been taken to address environmental impacts from their respective sites.

In April 1993, in compliance with the 1991 Consent Agreement, Tronox submitted the Phase I Environmental Conditions Assessment ("ECA") to NDEP. The purpose of the ECA was to identify and document site-specific environmental impacts resulting from past or present industrial activities. The Phase I ECA included an assessment of the geologic and hydrologic setting, as well as historical manufacturing activities. In 1994, NDEP issued a letter of understanding ("LOU") that identified 69 data gap areas which needed additional information, either in the form of additional document research or field sampling of site conditions. Subsequent to the issuance of the LOU, an additional potential source area, the former U.S. Vanadium site, was identified during planning for the 2009 Phase B Source Investigation. Although not formally designated as an LOU, the U.S. Vanadium site is referred to as LOU 70.

During the mid to late 1990s, Tronox collected additional data to fill the data gaps identified in the LOU. This was done by investigating past operator records as well as through field sampling. Results of this work are described in a Phase II Written Response to the LOU, a Phase II ECA, and a Supplemental Phase II ECA, the latter two of which were reports describing the results of field sampling of groundwater and soils. Through this effort, potential environmental impacts associated with the 69 LOU areas were evaluated.

In 1997, perchlorate was discovered in the vicinity of the Las Vegas Wash and this aspect of the ECA was placed on a response fast-track. Impact characterization and treatment

methodology evaluation were on-going in the late 1990s, along with the installation of a seep water collection system adjacent to the Las Vegas Wash to mitigate the discharge of perchlorate. In November 1999, Tronox began operation of a temporary ion exchange (“IX”) treatment system to treat perchlorate-impacted groundwater. Also in 1999, Tronox and NDEP entered into a Consent Agreement, which defined additional response requirements and looked forward to a treatment process that would replace the temporary IX treatment system. After considerable research and process development, a replacement treatment technology was developed. In October 2001 Tronox and NDEP entered into an Administrative Order on Consent (“AOC”) that defined the replacement treatment process, which required Tronox to install additional extraction well systems and construct an on-site groundwater treatment facility. The groundwater extraction and treatment system (“GWETS”) has operated continuously at the Site since 2002. The current groundwater treatment facility includes granular activated, biological fluidized bed reactors, as well as a ferrous sulfate system. Following treatment, all extracted water is discharged to Las Vegas Wash under a National Pollutant Discharge Elimination System permit. Semi-annual and annual remedial performance reports covering performance data for both the chromium and perchlorate remediation programs are submitted to NDEP each year.

In 2004, a list of Site-related chemicals was developed based upon investigations associated with operations at the Site. This list included raw materials, process chemicals, and intermediates, as well as products of all current and previous manufacturers at the Site. In 2005, a Conceptual Site Model (“CSM”) was prepared for the Site, which consolidated information gathered regarding environmental impact, both known and potential.

Tronox implemented two soil sampling programs (known as Phase A and B Source Investigations) that were completed in 2006 and 2009, respectively. These investigations identified a number of constituents in excess of state Basic Comparison Level (“BCL”) criteria within the upper 10 feet of soil, including dioxin toxic equivalents (“TEQ”), hexachlorobenzene, other semivolatile organic compounds, polychlorinated biphenyls (“PCBs”), asbestos, metals, organochlorine pesticides, and perchlorate. In an order dated December 14, 2009, NDEP directed Tronox to remove all soil containing chemicals of potential concern in excess of worker BCLs (or modified risk-based goals agreed upon by NDEP) from the Site by the end of 2010. NERT is not regulated under any of the Kerr-McGee/Tronox consent agreements or administrative orders on consent, and completed the interim soil removal program in November 2011 consistent with an Interim Consent Agreement (effective as of February 14, 2011).

For the purposes of soil remediation activities, the main contaminated portions of the Site were divided into the five separate remediation zones (“RZ”) listed below:

- RZ-A: an area on the southern portion of the Site
- RZ-B: the area around the Unit buildings
- RZ-C: the ammonia perchlorate production area, Koch Materials area, pond and diesel storage tank area, and manganese tailings area
- RZ-D: the Trade Effluent ponds and ammonium perchlorate pad/drum recycling area (including the hazardous waste landfill)
- RZ-E: the Beta Ditch

Soil sampling in RZ-A did not identify soils exceeding NDEP cleanup criteria, and therefore excavation activities were not planned in this area. A Human Health Risk Assessment prepared for RZ-A concluded that COPC concentrations remaining in soil did not result in unacceptable risks and has been approved by NDEP. Tronox's consultant prepared a workplan describing a strategy for excavating chemically impacted soil within the upper 10 feet of soil in areas RZ-B through E, to the extent such soils were accessible. These response activities commenced during 2010. As of January 1, 2012, approximately 930,000 tons of contaminated soil had been excavated. An interim soil removal action completion report was prepared for all five remediation zones in January 2012 and revised in September 2012. Certain impacted soils within the remediation zones that cannot be excavated due to physical constraints or other access issues were designated as Excavation Control Areas ("ECAs") and are addressed through the Site Management Plan ("SMP"), Revision 1, dated October 2013. The SMP describes procedures to address the known remaining environmental conditions at the Site, as well as contingency actions to be taken if previously unknown environmental conditions are encountered.

Recent groundwater monitoring results indicate significant capture and ongoing reduction of the perchlorate and hexavalent chromium plumes. Perchlorate concentrations in Las Vegas Wash have declined by nearly 97% over the last 10 years of groundwater capture system operation. The GWETS continues to operate.

In 2012, NERT developed a Remedial Investigation/Feasibility Study ("RI/FS") Work Plan to address soil and groundwater contamination at the Site pursuant to The Interim Consent Agreement signed by NERT and NDEP. The RI/FS will be conducted in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). A revised work plan, incorporating comments received from NDEP and other stakeholders, will be submitted to NDEP in January 2014.

A project milestone schedule covering the overall progress of current and future site activities is available on the NDEP web site (<http://ndep.nv.gov/bmi/tronox.htm>).