



Final
National Park Service
Community Involvement Plan

Homestake-King Mill Site
Death Valley National Park
Nevada

January 2020



Revision Log:

Revision #	Revision Date	Revision Description



TABLE OF CONTENTS

Table of Contents	i
LIST OF FIGURES	i
LIST OF APPENDICES	i
List of Abbreviations and Acronyms	ii
1.0 Introduction.....	1
1.1 Purpose and Objectives of the CIP	1
1.2 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)	3
2.0 Project Background.....	4
2.1 Site Description and History	4
2.2 Site Location	5
2.3 Previous Environmental Studies and Response Actions	6
2.4 Current and Future Site Activities	7
3.0 Community Background.....	8
3.1 Community Profile.....	8
3.2 Community Involvement History	8
3.3 Community Concerns and Needs.....	8
4.0 Planned Community Involvement Activities.....	9
4.1 Communication Methods and Community Involvement Activities	9
5.0 References.....	12
State Senator Pete Goicoechea.....	1

LIST OF FIGURES

- Figure 1 Death Valley National Park Map
Figure 2 Site Location Map
Figure 3 Site Map

LIST OF APPENDICES

- Appendix A Glossary
Appendix B Contact List
Appendix C NCP Community Involvement Requirements



LIST OF ABBREVIATIONS AND ACRONYMS

ABA	Acid-Base Accounting
AML	Abandoned Mine/Mineral Lands
CalEPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CIP	Community Involvement Plan
DEVA	Death Valley National Park
DU	Decision Unit
ECM	Environmental Cost Management
EE/CA	Engineering Evaluation and Cost Analysis
EPA	U.S. Environmental Protection Agency
ESV	Ecological Screening Value
ISM	Incremental Sampling Methodology
ITRC	Interstate Technology Regulatory Council
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NOREAS	NOREAS, Inc
NPS	National Park Service
PA	Preliminary Assessment
RCRA	Resource Conservation and Recovery Act
RSL	Regional Screening Level
SI	Site Inspection
TBD	To Be Determined
USDOJ	United States Department of the Interior



1.0 INTRODUCTION

The National Park Service (NPS) is issuing this *Community Involvement Plan* (CIP) as a resource to enable meaningful community involvement throughout its investigation, selection, and implementation of cleanup activities at the Homestake-King Mill Site (Site). The NPS is conducting these cleanup activities at the Site pursuant to the *Comprehensive Environmental Response, Compensation, and Liability Act* (CERCLA), 42 U.S.C. §§ 9601, *et seq.* and its implementing regulations under the *National Oil and Hazardous Substances Pollution Contingency Plan* (NCP), 40 C.F.R. Part 300. NPS is committed to encouraging public participation and providing opportunities for communication between the NPS and the affected community, interested stakeholders, and community residents during the environmental investigation and cleanup activities at the Site.

CERCLA-related terms are defined in Appendix A, Glossary.

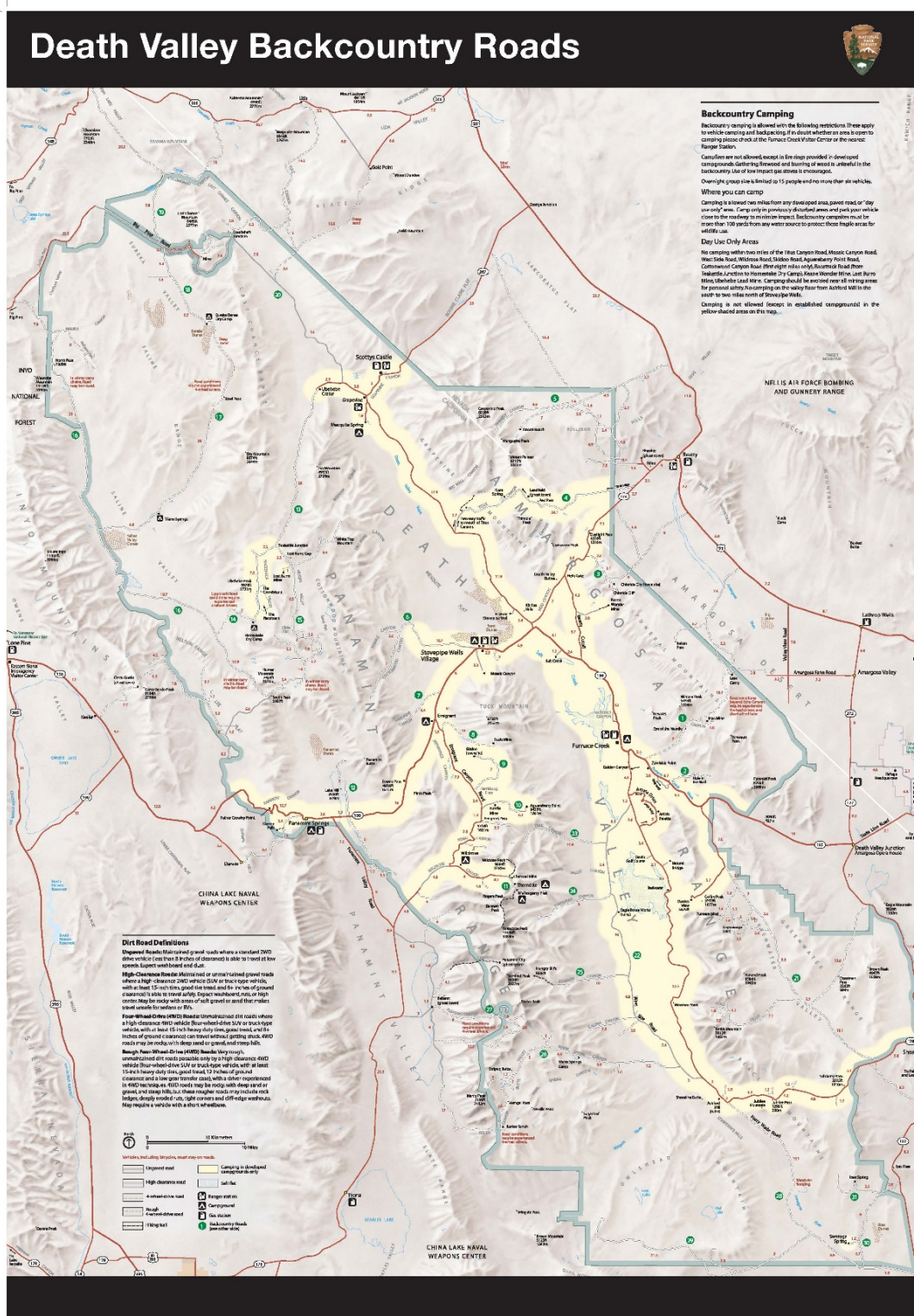
1.1 Purpose and Objectives of the CIP

The CIP has been prepared in accordance with CERCLA and the NCP. The CIP serves as a guide for the NPS to engage and inform community members, environmental groups, government officials, the media, and other interested parties in the environmental investigation and cleanup activities at the Site. The CIP is a “living” document and will be updated or revised, as appropriate, as Site conditions or circumstances change.

The CIP has two key objectives. The first key objective is to provide for the dissemination of information to the public in a timely, accurate, meaningful, and understandable manner. The second objective is to create opportunities—and ensure the community understands those opportunities—for active public participation, enabling interested persons to provide valuable comments that can be used by the NPS project team for planning and decision making.

The strategies to accomplish these objectives take into consideration the location of the Site and surrounding community. The Site is located in the Bullfrog Hills, Nye County, Nevada in an area of Death Valley National Park known as the “Nevada Triangle (Figure 1) (Latitude: 36.9395° North, Longitude: -116.8886° West).

Figure 1. Death Valley National Park Map





1.2 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

The NPS is investigating and cleaning up the Site pursuant to CERCLA and the NCP. Congress enacted CERCLA, also known as Superfund, in 1980 to address releases and threatened releases of hazardous substances into the environment. CERCLA gives the President broad powers to respond to hazardous substance releases and threatened releases as the President deems necessary to protect the public health or welfare or the environment, including enforcement authority with respect to parties responsible for the releases. The President has delegated this authority to a number of federal departments and agencies, including the Department of the Interior. The NPS, an agency within the Department of the Interior, is the CERCLA lead agency for the Site.

To implement CERCLA, the U.S. Environmental Protection Agency (EPA) created the NCP, which is a set of regulations that detail how CERCLA cleanups are to be conducted, including requirements for community involvement activities. Different requirements apply to different types of response actions. The NPS has determined that that a non-time-critical removal action (NTCRA) is appropriate for the Site.

A non-time-critical removal action is being conducted at the Site based on NPS's determination that a planning period of six months or more is available prior to the start of removal activities at the Site because no immediate threat to public health or welfare or the environment is present at the Site. As part of the non-time-critical removal action, NPS is conducting an engineering evaluation and cost analysis (EE/CA) to characterize the nature and extent of Site contamination, evaluate associated potential risks to human health and safety and the environment, identify relevant cleanup requirements, develop a range of cleanup alternatives, and identify a recommended response action alternative for the Site. As the lead agency for the Site, NPS must involve the community during the EE/CA process in the manner detailed in the NCP, and this CIP is part of that community involvement process.



2.0 PROJECT BACKGROUND

2.1 Site Description and History

The Site covers approximately 5 acres and consists of the remains of the Homestake-King Mill building and mill tailings. The Site contains a series of five, reinforced-concrete foundations that are between 66 and 100 feet long, 3 feet thick at the base, and up to 16 feet high. The structures are located on a steep slope. As of 2014, floors of the mill rooms, machinery, vat foundations, and building debris remained on site. The mill tailings are visible near the mill and several locations downslope from the mill. Stormwater runoff from the site travels south and east into an unpopulated area in Amargosa Valley. The tailings have eroded into an ephemeral stream that flows from the base of the mill downslope. A gravel access road to the Site crosses the stream and is currently blocking the tailings from migrating further downstream.

The mill operated only from 1908-1909 and treated gold ore by plate amalgamation and cyanide. At the time, Homestake-King Mill was described as “well-equipped” with up to 30 stamps. The Homestake-King Mine was the largest-producing Bullfrog Mining District producer that is now in the park.



The Homestake-King Mill in May 1908, looking south towards Bullfrog Mountain. Photo courtesy of Nevada Historical Society

The Site claims (the Homestake, Homestake No. 1, and Homestake No. 2, M.S. 2570) were located in 1904 and were patented in 1908. These claims were privately owned until the



property was conveyed to the U.S. Government in 1973. Homestake-King Mill is visited by approximately 400 people a year.

2.2 Site Location

The Site is located in the Bullfrog Hills, in the Nevada portion of DEVA known as the “Nevada Triangle.” The Site sits at an elevation of approximately 4,950 feet above sea level and is located on a steep south-sloping hillside overlooking broad deposits of alluvium. Access to the Site is via Pioneer Road, off of Highway 374 (Figures 2 and 3). The Site is open to the public.

Figure 1. Site Location Map

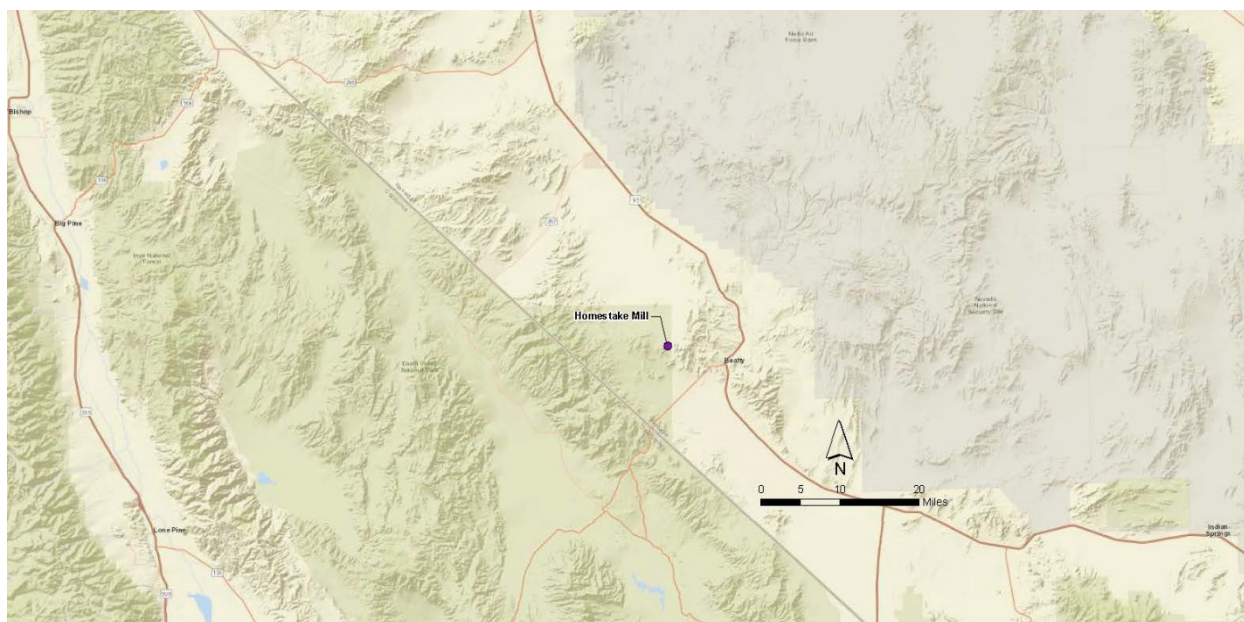
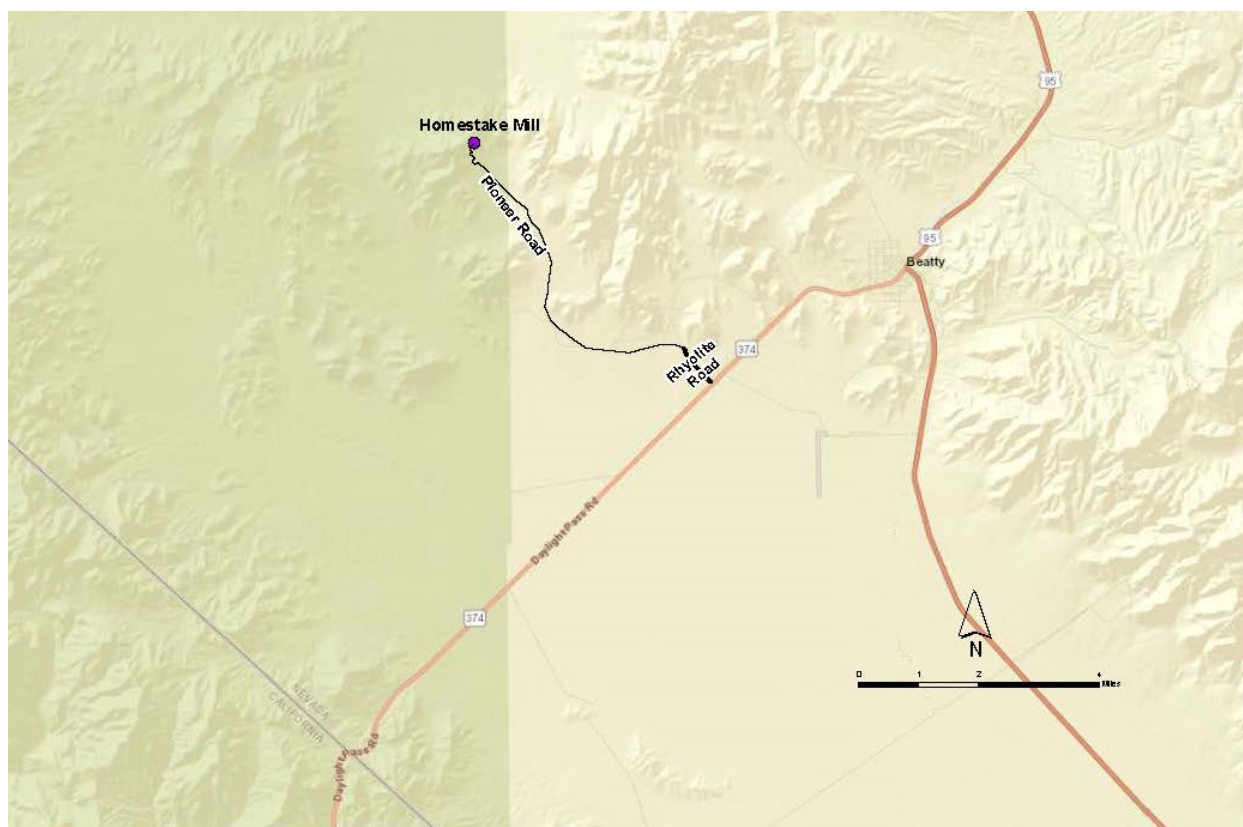




Figure 2. Site Map



2.3 Previous Environmental Studies and Response Actions

A Preliminary Assessment (PA) was conducted in 2014 by Environmental Cost Management (ECM). The PA described the historical uses of the Site, current state of the Site, and approximated by visual means only the extent of various waste rock and mill tailings at the Site.

As a follow-up to PA, a Site Inspection (SI) was conducted by NOREAS, Inc. (NOREAS) at the Site in 2016. Because soils are the primary media of concern at the Site, soil samples were collected from five areas referred to as decision units (DUs) at the Site. Those areas included mill foundations (DU-1), mill tailings (DU-2), mine waste stockpile (DU-3), downgradient mill tailings (DU-4), and background native soils for comparison (DU-5). Eroded mill tailings in DU-4 extend approximately 3,900 feet downgradient of the Site. The samples were analyzed for metals, cyanide, and pH. Also, select samples were analyzed for their acid-generating ability (ABA).

The soil samples from DU-1 through DU-4 showed elevated levels of antimony, arsenic, beryllium, cadmium, copper, lead, mercury, selenium, silver, thallium, vanadium, and zinc compared to their respective background concentrations in DU-5. Results of ABA testing indicated no net potential for acid generation.



The results of the SI sampling indicated that the Site contains several metals above USEPA regional screening level (RSL) for residential soil and the NPS ecological screening values (ESVs). Cyanide was also detected in samples exceeding RSL and ESV.

2.4 Current and Future Site Activities

The NPS is conducting an engineering evaluation and cost analysis as part of a non-time-critical removal action to gather additional information to characterize the nature and extent of Site contamination. The EE/CA process will include additional site sampling to further understand the impacts of the previous mining and milling activities at the Site. Risk assessments will be conducted to evaluate human health and ecological concerns, and cleanup goals will be established. If cleanup is required, the EE/CA will also develop, present, and evaluate cleanup alternatives. As part of the alternatives development and evaluation process, NPS will consider the requirements of Section 106 of the National Historic Preservation Act, among other relevant requirements.

The final draft EE/CA Report prepared during this process will be made available for public review and comment during a 30-day period. Following the review and comment period, the EE/CA Report will be revised as necessary and issued in final form. NPS will draft a responsiveness summary that summarizes and responds to significant public comments which will be issued along with the Final EE/CA Report. Following the release of those documents, NPS will issue an Action Memorandum formally selecting the response action alternative for the Site. Once those steps have been taken, NPS will seek funding to implement the selected response action for the Site. Once funding is secured, Site cleanup can proceed.



3.0 COMMUNITY BACKGROUND

3.1 Community Profile

The Site is located in the Nye County, Nevada and the “Nevada Triangle” area of DEVA (Figures 1, 2, and 3). Access to the Site is via Pioneer Road, off of Highway 374 (Figure 3). The Site is open to the public.

No one lives at the Site. The closest residents live in Beatty, Nevada, approximately 11 miles driving distance from the Site (approximately 30 minutes of drive time). As of the 2010 census, Beatty had a population of 1,010 people.

At 18,159 square miles, Nye is the largest county by area in Nevada and the third-largest county in the contiguous United States. Nye County had a total population of 43,946 in 2010, with 86 percent of the county’s population residing in Pahrump.

About 1,700,000 travelers visit Death Valley National Park each year from all over the world. Most of these visitors pass through, or stay at Stovepipe Wells Resort or Furnace Creek Resort. Camping is prohibited at Homestake-King Mill Site.

3.2 Community Involvement History

Information about the Site has been posted at <https://parkplanning.nps.gov/homestake-king>.

3.3 Community Concerns and Needs

To identify community concerns and needs and to identify how and when citizens would like to be involved in the cleanup process, NPS invites public feedback via the following website: <https://parkplanning.nps.gov>.

NPS may conduct community interviews with local officials, community residents, and various environmental and special interest groups who represent a range of opinions and backgrounds. NPS may ask interviewees for suggestions of additional groups or individuals the NPS should interview, and NPS will contact those suggested additional groups and individuals and may revise this CIP accordingly.



4.0 PLANNED COMMUNITY INVOLVEMENT ACTIVITIES

As noted earlier, the key objectives of the community involvement program are to establish and encourage communication between NPS and the community and provide opportunities for the public to provide input throughout the course of CERCLA response activities at the Site.

The following methods will be used to promote public participation and establish steps to provide timely information to interested residents, agency staff, government officials, the media, and the public at large. .

Important: Upon request, NPS will endeavor to meet identified needs for translation, access to electronic communications, disability access, or other accommodations for people with special needs.

4.1 Communication Methods and Community Involvement Activities

- **Site Spokesperson**

Abby Wines is the designated NPS spokesperson who will inform the community of actions taken, respond to inquiries, provide information concerning the Site, and act as liaison between the NPS and community members, environmental groups, government officials, the media, and other interested parties.

Abby Wines
Public Information Officer, Death Valley National Park
PO Box 579, Death Valley, CA 92328
Phone: 760-786-3221
Email: abby_wines@nps.gov

- **Administrative Record File and Information Repository**

The administrative record file contains the information used by the lead agency (in this case, NPS) to make its decision on the selection of a response action. It includes environmental investigation reports, decision documents, and other related information. NPS will update the administrative record file at key points during the response action process, such as when important investigations and reports are completed.

The general public may view and copy the administrative record at either of the two information repositories. The information repositories are located at:

Furnace Creek Visitor Center
271 Highway 190
P.O. Box 579
Death Valley, CA 92328
8 am to 5 pm daily
Phone: (760) 786-3200



Stovepipe Wells Ranger Station

Stovepipe Wells, CA 92328

Open most days, 9 am – 3:30 pm

Phone: (760) 786-2342

- **Interested Parties Mailing List**

NPS maintains an interested-parties mailing list that includes federal, state, and local elected officials; local school district officials; selected agency staff; community groups; media contacts; and interested community members. NPS notifies the parties on the list whenever key documents are published or the status of the Site changes.

Mailings will be sent electronically by email, with hyperlinks to documents posted on the website. However, interested parties can request conventional mail delivery if access to electronic communication is not available. In such cases, the NPS will send a letter informing interested parties of the availability of documents at the information repositories.

Efforts are ongoing to expand the mailing list. Individuals can be added to the mailing list by contacting the Site spokesperson (see above for contact information).

- **Public Comment Periods**

There will be a 30-day public comment period when the draft final EE/CA Report is issued, which will propose specific actions or decisions. Upon timely written request sent to the Site spokesperson, the NPS will extend the public comment period by a minimum of 15 days.

Following the close of a formal public comment period, the NPS will prepare written responses to substantive public comments *received during the public comment period* (called a “responsiveness summary”); the responsiveness summary will be added to the administrative record file.

- **Public Notices**

The NPS will issue public notices to inform the community and the general public of public comment periods, publication of key documents, and major Site milestones.

NPS will use one or more of the following methods to distribute public notices about the Site:

- Press release.
- Social media
- parkplanning.nps.gov/homestake-king
- Notice sent to the Interested Parties Mailing List
- Posting at the Death Valley Post Office.



- **Public Meetings**

Given the remote location of the Site, and minimal public interest, NPS does not intend to schedule public meetings or open houses relating to this project. As noted above, there will be public notice when the draft final EE/CA Report is made available for public review and comment.

- **Park Visitor Communication**

NPS has determined that the most effective ways to provide Site information to Park visitors will be to use the following methods:

- parkplanning.nps.gov/homestake-king
- Informed Park staff at visitor center information desks (with sufficient information to address visitor questions)

- **Community Updates**

Community Updates are brief documents to inform the community about the Site and the environmental investigation and cleanup process. The NPS will prepare a Community Update upon completion of the draft final EE/CA Report, and possibly at other key milestones in the cleanup process.

- **Site Website**

NPS has established a Site website at parkplanning.nps.gov/homestake-king on which it will post general Site information as well as key cleanup and community involvement documents.

- **Community Involvement Plan Revision**

To remain flexible and able to respond to the evolving needs of the community and changes to the Site, the CIP will be reviewed and revised as needed.



5.0 REFERENCES

Environmental Cost Management (ECM). 2014a. Preliminary Assessment 27 Abandoned Mineral Lands Sites Death Valley National Park Inyo and San Bernardino Counties, California and Nye County, Nevada. November.

Green, Linda W. and Latschar, John A. 1981. Death Valley National Monument Historic Resource Study: A History of Mining. Available at https://www.nps.gov/parkhistory/online_books/deva/index.htm

Interstate Technology Regulatory Council (ITRC). 2012. Technical and Regulatory Guidance: Incremental Sampling Methodology. February.

NOREAS, Inc. 2016. Site Inspections of Abandoned Mineral Lands (AML) Sites (Skidoo, Homestake, Journigan's, Homestake, Starr, Tucki, Cashier and Gold Hill), California and Nevada. October.

United States Department of the Interior (USDOI). Environmental Compliance Memorandum No. ECM 14-2: Central Hazardous Materials Fund (CHF) Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Process for CHF Projects. May 2014. Available at <http://www.doi.gov/pmb/oepc/upload/ECM-14-2-CERCLA-Process-for-CHF-Projects.pdf>.

United States Environmental Protection Agency (USEPA). Superfund Community Involvement Handbook. Apr. 2005. Available at http://www.epa.gov/superfund/community/cag/pdfs/ci_handbook.pdf.

USEPA. Community Involvement Toolkit. Available at <http://www.epa.gov/superfund/community/toolkit.htm>.



APPENDIX A: GLOSSARY

Definitions for CERCLA-related words found throughout the CIP are provided below.

Administrative Record File: A file that contains all information considered or relied upon by the lead agency to make its decision on the selection of a response action under CERCLA. See Section 4.1, Administrative Record File and Information Repository Details, for further information on the Site administrative record file.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): A federal law, commonly known as “Superfund,” which Congress enacted in 1980 and amended in 1986 and 2002. The law provides broad federal authority to respond directly to releases or threatened releases of hazardous substances that may endanger public health or welfare or the environment; establishes the categories of persons who are liable for such releases; and outlines a framework for investigating and responding to releases and threatened releases of hazardous substances where the lead agency determines it is necessary. CERCLA generally authorizes three types of cleanup actions: emergency response actions, removal actions, and remedial actions.

Cleanup: Used in this document to describe actions taken to address a release or threat of a release of hazardous substances, pursuant to CERCLA, that could affect public health or welfare or the environment. The word “cleanup” is sometimes used interchangeably with the terms remedial action, removal action, response action, remedy, remediation, or corrective action.

Community Interview/Survey: For most response actions, the NCP requires the lead agency to solicit input from the community to determine appropriate activities to ensure public involvement in Site-related decisions.

Community Involvement Plan (CIP): A plan that explains how NPS intends to enable meaningful community involvement throughout the cleanup process by specifying planned community involvement activities to address community needs, concerns, and expectations identified through community interviews and other means.

Decision Unit: A decision unit is the smallest volume of soil for which a decision will be made based on Incremental Sampling Methodology (see below).

Hazardous Substance: Any one of the more than 800 substances defined under CERCLA and the NCP as potentially posing a threat to human health or the environment. Hazardous substances include materials defined as ignitable, corrosive, reactive, or toxic under the Resource Conservation and Recovery Act (RCRA), as well as additional substances listed under the Clean Water Act and hazardous air pollutants listed under the Clean Air Act.

Incremental Sampling Methodology (ISM): a structured composite sampling and processing protocol that reduces data variability and provides a reasonably unbiased estimate of mean contaminant concentrations in a volume of soil targeted for sampling. Incremental Sampling Methodology provides representative samples of specific soil volumes defined as decision units



by collecting numerous increments of soil (typically 30–100 increments) that are combined, processed, and subsampled according to specific protocols.

Information Repository: A location open to members of the general public where a collection of documents (including the administrative record file) relevant to a particular CERCLA Site is made available for public review and copying. See Section 4.1, Administrative Record File and Information Repository Details, for the locations and addresses of the Homestake Mill Site information repository.

Lead Agency: The government agency with the primary authority to investigate, plan and implement a response action under CERCLA and the NCP at a particular site. In this case, it is the National Park Service.

National Oil and Hazardous Substances Pollution Contingency Plan (NCP): More commonly called the National Contingency Plan or NCP, it is the federal government's regulatory blueprint for responding to both oil spills and releases and threatened releases of hazardous substances. The NCP is the result of our country's efforts to develop a national response capability and promote overall coordination among the hierarchy of responders and contingency plans. The regulations, published at 40 C.F.R. Part 300, detail how CERCLA is to be implemented.

Non-Time-Critical Removal Action: A removal action conducted when the lead agency determines that there is a planning period of at least six months before on-site activities must be initiated.

Notice of Availability: A formal notice announcing the issuance and public availability of a document (e.g., proposed plan) or documents (e.g., the administrative record file or updates thereto). A Notice of Availability is also issued when the information repositories are established. The notice may also announce commencement of a public comment period.

Public Comment Period: A period during which the public can formally review and comment on various documents and proposed response actions.

Removal Action: A type of CERCLA response action with a streamlined planning process. A removal action is conducted to address all or a part of a release or threatened release of hazardous substances when the release requires an expedited, time-critical response, or when the release is of limited size and complexity such that streamlined response planning is appropriate. There are two types of removal actions – time-critical and non-time-critical; sometimes emergency response actions (undertaken by the U.S. Environmental Protection Agency) are referred to as removal actions. The term refers both to the entire removal response action, as well as just the cleanup phase of such an action.

Response Action: The most general CERCLA term used to describe any action taken to respond to a release or threatened release of hazardous substances to protect the public health or welfare or the environment. The term includes all phases of the response, from investigation through



monitoring and even enforcement activities. There are generally three types of CERCLA response actions that may be undertaken by NPS as the lead agency: time-critical removal actions, non-time-critical removal actions, and remedial actions. The response action at Homestake Mill Site is a non-time-critical removal action.

Responsiveness Summary: Document summarizing the significant comments received during a public comment period and documenting the lead agency's responses to the comments.

Site: The Homestake-King Mill Site, which comprises the area contaminated or potentially contaminated by a release or threatened release of hazardous substances. The Site covers approximately 5 acres. Access to the Site is via Pioneer Road, off of Highway 374 (Figure 2).



APPENDIX B: CONTACT LIST

Nevada Governor's Office
101 N. Carson Street
Carson City, NV 89701
<http://gov.nv.gov/Contact/Contact/>

State Senator Pete Goicoechea
Pete.Goicoechea@sen.state.nv.us
P.O. Box 97
Eureka, NV 89316-0097

State Assembly Representative Gregory T. Hafen II
Gregory.Hafen@asm.state.nv.us
5250 Hafen Ranch Road
Pahrump, NV 89061-7502

Nye County Environmental Health Services
<https://www.nyecounty.net/99/Health-Human-Services>

Environmental Protection Agency (EPA)
Mike Stoker, Regional Administrator
US EPA Pacific Southwest, Region 9
75 Hawthorne St.
San Francisco, CA 94105

U.S. Fish and Wildlife Service
1340 Financial Blvd,
Reno, NV 89502

Nevada Division of Environmental Protection (NDEP)
Greg Lovato, Administrator
2030 E. Flamingo Road, Suite 230,
Las Vegas, NV 89119

Nevada Health & Human services
Karyn Smith, Manager
1981 E. Calvada Blvd. North, Suite 120
Pahrump, NV 89048



APPENDIX C: NCP COMMUNITY INVOLVEMENT REQUIREMENTS

The NCP specifies the following community involvement requirements for the non-time-critical removal action at this Site:

- **At beginning of process:**
 - Designate a Site spokesperson
40 C.F.R. § 300.415(n)(1)
- **No later than when the Engineering Evaluation and Cost Analysis Approval Memorandum is signed**
 - Establish two information repositories (one at a central location and one at or near the Site), and establish an administrative record file and place in the information repositories.
40 C.F.R. § 300.415(n)(4)(i); § 300.800(a); § 300.805(a)
 - Publish notice of availability of the information repositories and the administrative record file in a major local newspaper of general circulation.
40 C.F.R. § 300.415(n)(4)(i); § 300.820(a)(1)
- **Prior to completion of the Engineering Evaluation and Cost Analysis**
 - Prepare and issue a Community Involvement Plan.
40 C.F.R. § 300.415(n)(4)(i)
- **Upon completion of Engineering Evaluation and Cost Analysis and publication of the Engineering Evaluation and Cost Analysis Report:**
 - Provide a public comment period of at least 30 days for submission of written and oral comments. Upon timely request during the public comment period, extend the public comment period by a minimum of 15 additional days.
40 C.F.R. § 300.415(n)(4)(iii); § 300.820(a)(2)
- **After the close of the public comment period:**
 - Prepare a written response to significant comments received during the public comment period; consider and respond to significant comments submitted before the public comment period, as appropriate; place any such responses into the administrative record file.
40 C.F.R. § 300.415(n)(4)(iv); § 300.820(a)(2)