

Worksheet
Determination of NEPA Adequacy (DNA)
U.S. Department of the Interior
Bureau of Land Management

FIELD OFFICE: Stillwater NVC01000

NEPA NUMBER: DOI-BLM-NV-C010-2014-0016-DNA

CASEFILE PROJECT NUMBER: NVN-69690

PROPOSED ACTION TITLE/TYPE: Rawhide Mine – Northwest Heap Leach Pad Extension

LOCATION/LEGAL DESCRIPTION: MDM T. 13 N., R. 32 E.,
Sec. 4, S $\frac{1}{2}$, NW;
Sec. 5, all;
Sec. 6, E $\frac{1}{2}$, SE;
Sec. 7, E $\frac{1}{2}$, E $\frac{1}{2}$;
Sec. 8, all;
Sec. 9, all;
Sec. 10, W $\frac{1}{2}$, W $\frac{1}{2}$;
Sec. 16, all;
Sec. 17, all;

APPLICANT (if any): Rawhide Mining, LLC

A. Description of the Proposed Action and any applicable mitigation measures

Rawhide Mining, LLC has submitted a modification to their Denton-Rawhide Mine Plan of Operations NVN-69690 (Plan). The existing Environmental Impact Statement (EIS), serialized BLM/CC/PL-97/014+1791, was completed and the Record of Decision was signed on April 14, 1997. Rawhide Mining, LLC is proposing an extension to the existing Phase 1, 2, 3, and Western Extension heap leach pads. The Heap Leach pad Northwest Extension (HLPNWE) incorporates approximately 1,100,000 square feet (ft²) of lined surface area. This pad extension would be constructed immediately adjacent to the northern boundary of the existing pads and includes a Liner Tie-in area of approximately 185,000 square feet (ft²).

The design concept for the HLPNWE is similar to that used for the existing heap leach facility. The liner system will be comprised from the bottom up of prepared subgrade, a one foot thick compacted Low Hydraulic Conductivity Soil Layer overlain by an 80 mil smooth HDPE Geomembrane Liner. As part of the solution collection piping system, header pipes will be placed along the southern, eastern and northern side of the base grade to facilitate flow of pregnant solution into the northeast and southeast corner and through HDPE pipelines. The majority of solution will report to the newly constructed northwest pregnant solution pond, however solution collected from the southeast corner of the HLPNEW will continue to report to the Phase IV ponds. The majority of the pad will be graded from west to east downward at a

The proposed action is in conformance with the LUP, even though it is not specifically provided for, because it is clearly consistent with the following LUP decisions (objectives, terms, and conditions):

Section 10 – MIN-1: Desired Outcomes, 1: “Encourage Development of energy and mineral resources in a timely manner to meet national, regional and local needs consistent with the objectives for other public land uses.”

Section 10- MIN-5: Standard Operating Procedures – Locatable Minerals

8. “Pursuant to the mining laws, BLM lands are available for mineral entry, location, exploration, and operations which will not cause undue or unnecessary degradation of the public lands.”
9. “The authorized officer will be notified by the operator prior to conducting surface disturbance other than casual use and cumulative disturbance under 5 acres within the project area. These disturbances will be reclaimed in a timely manner so as not to cause undue or unnecessary degradation, and prior to the authorization of additional surface disturbance to maintain the notice level of activity.”
10. “Where cumulative surface disturbance of a project area is greater than five acres a Plan of Operations and a Reclamation Plan are required of the operator. These plans will be reviewed in conjunction with the Nevada Division of Environmental Protection, Bureau of Reclamation and Regulation to ensure that all state permits are obtained and all state regulations are complied with to prevent undue or unnecessary degradation.”
11. “Plans of Operation will require adequate bonding to guarantee that reclamation will be accomplished at mine closure or project completion.”
12. “Reclamation is required of all levels of activity so as not to cause undue or unnecessary degradation.”
13. “All mineral exploration roads on cut and fill slopes will be reclaimed by recontouring unless they are within or part of a pre-1981 mining disturbance.”
14. “All levels of activity, casual use, notice, or plan of operation will comply with federal and state regulations regarding air quality, water quality, solid wastes, wildlife and its habitat, archaeological and paleontological resources.”

C. Identify applicable National Environmental Policy Act (NEPA) documents and other related documents that cover the proposed action.

List by name and date all applicable NEPA documents that cover the proposed action.

Environmental Assessment
Environmental Assessment for Rawhide Mine Plan of Operation NV-36-86-03(P)
(FONSI/DR signed May 29, 1986)

1997). The one new circumstance in the project area is a 2007 EA/Plan Amendment "Denton-Rawhide Mine Land Sale Plan Amendment And Decision Record EA-NV-030-07-021" for the sale of select parcels adjacent to patented land within the project area. 422.25 acres of land was patented August 4, 2008 (patent number 27-2008-0015). The proposed action lies on public land and a small portion, approximately 7 acres, is within the patented land.

4. Are the direct, indirect, and cumulative effects that would result from implementation of the new proposed action similar (both quantitatively and qualitatively) to those analyzed in the existing NEPA document?

Documentation of answer and explanation:

Yes. The proposed action would add 23.5 acres of heap leach pad and a solution pond of similar design to an existing 296.2 acres for heap leach and 40.1 acres for solution ponds. The proposed action lies completely within the project area analyzed in the EIS/ROD BLM/CC/PL-97/014+1791 (ROD signed April 14, 1997). The direct, indirect, and cumulative impacts of the proposed action would be similar.

5. Are the public involvement and interagency review associated with existing NEPA document(s) adequate for the current proposed action?

Documentation of answer and explanation:

Yes. The proposed action is a feature of the preferred alternative in the existing EIS and public involvement and interagency review associated with the existing EIS/ROD BLM/CC/PL-97/014+1791 (ROD signed April 14, 1997) employed appropriate public and agency reviews. The Nevada Division of Environmental Protection (NDEP) was consulted with during the preparation of the existing EIS. NDEP's Bureau of Mining Regulation and Reclamation (BMRR) is currently reviewing the proposed action for the Waste Water Pollution Control Permit and Reclamation Permit required of the proponent.

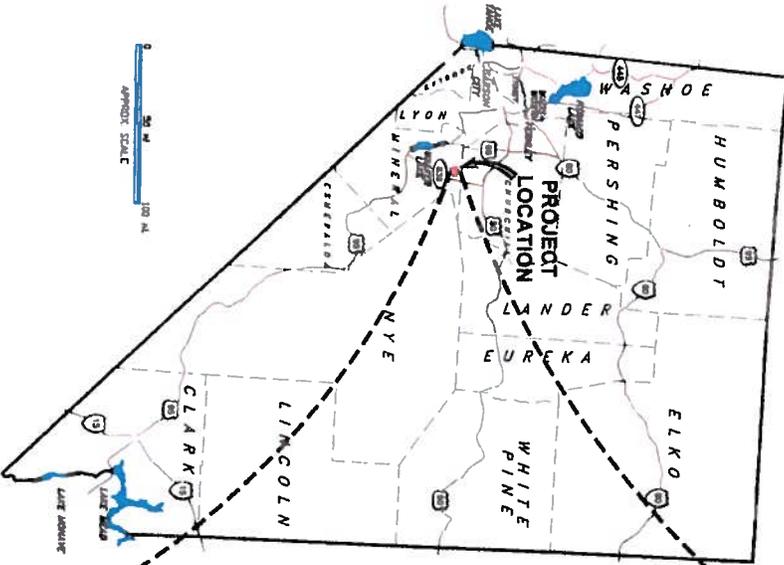
E. Persons/Agencies/BLM Staff Consulted

Name	Title	Resource/Agency Represented
Jason Wright	Archaeologist	BLM <i>Jan 12/12/13</i>
Chris Kula	Wildlife Biologist	BLM <i>CL 12/13/13</i>
Linda Appel	Rangeland Management Specialist	BLM <i>ea 12/2/13</i>
Angelica Rose	Planning and Environmental Specialist	BLM <i>DR 11/25/13</i>
Kenneth Depaoli	Geologist	BLM <i>RD 11/19/13</i>

Note: Refer to the EA/EIS for a complete list of the team members participating in the preparation of the original environmental analysis or planning document



**HEAP LEACH PAD
NORTHWEST EXTENSION
DENTON RAWHIDE MINE
MINERAL COUNTY NEVADA**



SHEET INDEX:

- SHEET 1 = GENERAL LOCATION
- SHEET 2 = GENERAL PROJECT LAYOUT
- SHEET 3 = EXISTING GRADE
- SHEET 4 = FINAL GRADING PLAN
- SHEET 5 = LAND DISTURBANCE SUMMARY

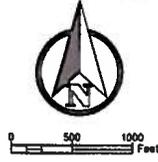
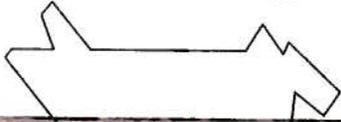
PROJECT ADDRESS

RAWHIDE MINING, LLC
DENTON-RAWHIDE MINE
P.O. BOX 2070
FALLON, NEVADA 89407
(775) 945-1015
ATTN: DON DEINES, GENERAL MANAGER

PROJECT ENGINEER

APPLIED SOIL WATER TECHNOLOGIES, LLC
56 CONEY ISLAND DRIVE
SPARKS, NV 89431
(775) 284-5500 FAX: (775) 284-5504
ATTN: STEVE MORROW, P.E.

 Applied Soil Water Technologies 56 Coney Island Dr. Sparks, Nevada 89431 Ph. 775-284-5500 Fax. 775-284-5504 www.appliedsoilwater.com	PROJECT NO: 09-006 DRAWN BY: CO DATE: 8-05-2013 SCALE: NTS	TITLE: GENERAL LOCATION	PROJECT: NORTHWEST HEAP LEACH PAD MINOR MODIFICATION DISPLAY	REV. DATE BY: AP-2
	SHEET C-1	PROJECT NO: 09-006 DRAWN BY: CO DATE: 8-05-2013 SCALE: NTS	TITLE: GENERAL LOCATION	PROJECT: NORTHWEST HEAP LEACH PAD MINOR MODIFICATION DISPLAY



- - MULLAY PRIVATE
- - MULLAY PUBLIC
- - MULLAYS PRIVATE
- - CHANNELS PRIVATE
- - CHANNELS PUBLIC
- - GEOLGIC EVALUATION PUBLIC
- - GROWTH MEDIUM PRIVATE
- - GROWTH MEDIUM PUBLIC
- - HEAP LEACH PAD PRIVATE
- - DIE STOCKPILES PRIVATE
- - DIE STOCKPILES PUBLIC
- - PIT PRIVATE
- - POND PRIVATE
- - POND PUBLIC
- - ROAD PRIVATE
- - ROAD PUBLIC
- - WASTE DISPOSAL PRIVATE
- - WASTE DISPOSAL PUBLIC



PROJECT NO. 07-0004
 DEANAN JAY CO
 DATE: 08/08/2013
 SCALE: 1" = 500'



Applied Soil Water Technologies
 56 Coney Island Dr.
 Sparks, Nevada 89431
 Ph. 775-284-5500
 Fax. 775-284-5504
 www.appliedsoilwater.com

TITLE:
**LAND DISTURBANCE SUMMARY
 (PUBLIC AND PRIVATE)**

PROJECT:
**NORTHWEST HEAP LEACH PAD
 MINOR MODIFICATION DISPLAY**

REV.	REVISION	DATE	BY	APP'D

SHEET
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