Edit: Application Tracking

Air Case ID: 13275 Permit Id: 606

FIN No.: A0388

Company Name: NEVADA GOLD MINES LLC - PHOENIX MINE

HA Basin No: 059

Increment Tracked ☐

Permit No: AP10210220.06 * Select a Permit No

Date App. Received: 10/21/2026 *

Permit Writer: Not Assigned (NA) *

Case Type: Class 2 Revision w/o Public Notice *

Default ODS Date: 11/04/2026 *

Actual ODS Date:

Date App. to be Closed: 01/03/2027 *

Stop Days: **Actual Date App. to be Closed:** 1/3/2027

App. Incomplete? ☐

Date App. Closed:

Fee Paid ($): 2500 *

Case Description:

Comments:

Flag (For Class 4) : None

Update Cancel

RECEIVED
OCT 21 2026
ENVIRONMENTAL PROTECTION

NEVADA GOLD MINES LLC
1655 Mountain City Hwy
Elko, Nevada 89801

www.nevadagoldmines.com

RECEIVED
OCT 21 2026
BAPC/BAQP

October 15, 2026

Ms. Tanya Soleta
Supervisor, Minor Source Permitting
Bureau of Air Pollution Control
Nevada Division of Environmental Protection
901 South Stewart Street, Suite 4001
Carson City, NV 89701-5249

RE: Revision Application
Nevada Gold Mines LLC – Phoenix Mine
Class II Air Quality Operating Permit No. AP1021-0220.06 (FID A0388)

Dear Ms. Soleta:

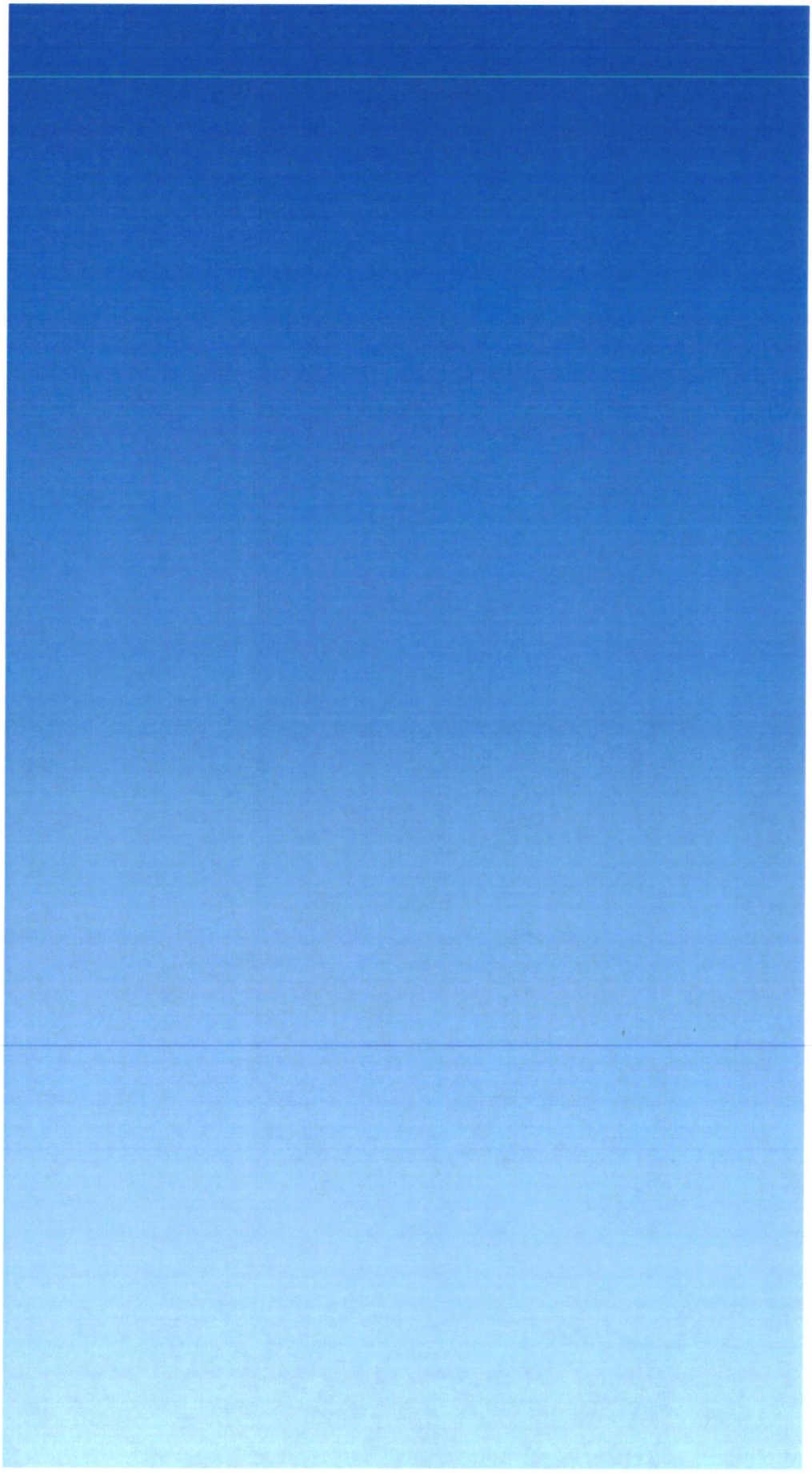
Nevada Gold Mines LLC (NGM) is pleased to submit the attached revision application for Class II Air Quality Operating Permit No. AP1021-0220.06 for the Phoenix Mine. With this revision, NGM is proposing to replace the System 25 diesel-fired emergency generator with a new generator and update the method for fuel monitoring for the System 62 SXEW Steam Boilers. The details for the proposed changes are included in the attached application forms and appendices.

An electronic payment of $2,500 to cover the fee for a Revision of a Class II AQOP affecting less than 10 emission units was submitted on October 15, 2026. The confirmation number for the electronic payments is 792074538425653700 3013.

Please feel free to contact Colin Gibb at (775) 401-1557 if you have any questions or need any additional information.

Sincerely,

Robert Tucker
General Manager
Nevada Gold Mines LLC
Phoenix Mine



AIR SCIENCES INC.

DENVER · PORTLAND

Phoenix Mine Class II Air Quality Permit Revision Application

PREPARED FOR:
NEVADA GOLD MINES LLC

PROJECT NO. 59-83A-2
OCTOBER 2026

Class II Air Quality Operating Permit Application Form

Facility Name: Nevada Gold Mines LLC – Phoenix Mine

Existing Facility ID: A0388

Existing Class II AQOP: AP1021-0220.06

Type of Facility: Copper Mine

Number of Units (including IA's) in Facility: 89

If a Revision, Number of Units (including IA's) Affected in Action: 1

Application Type:

☐ **New AQOP**

☒ **Revision of Existing AQOP**

☐ **Renewal of Existing AQOP**

NDEP

Please Submit Application to:

Nevada Division of Environmental Protection
Bureau of Air Pollution Control, Class II Permitting Branch
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701-5249
Phone (775) 687-9349

August 2026
(Ver. 7)

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Appendix 1: Narrative, Flow Diagram, and Maps

IMPORTANT INFORMATION

- The Application packet contains:
  - General Company Information Form
  - Industrial Process Form
  - Combustion Equipment Form
  - Storage Silo Form
  - Liquid Storage Tanks Form
  - Insignificant Activities Form
  - Facility-Wide Potential to Emit Table
  - Surface Area Disturbance Form
  - Plant Boundary Coordinates Form
  - Plant Building Parameters Form
  - Application Certification Document with Required Attachments

- Please see the Guidance Document for additional instructions on how to complete the application.
- A printed copy of the application must be submitted (mailed or hand delivered), along with an electronic version.
- The application filing fee required by Nevada Administrative Code (NAC) 445B.327 must be submitted with the completed application. Checks must be made payable to the "Nevada State Treasurer, Environmental Protection" with "BAPC" noted in the memo line. Fees may also be submitted electronically at https://epayments.ndep.nv.gov/.
- This application shall be used for new Class II sources, revisions to existing Class II Air Quality Operating Permits, and the renewal of Class II Air Quality Operating Permits. This application packet is not for use for an Administrative Renewal, Administrative Amendment, a general permit, a stand-alone Surface Area Disturbance (SAD) permit, nor for a Request for Change of Location Approval permit for a temporary source.
- An application for a Class II Air Quality Operating Permit must be signed by the Responsible Official, as defined in NAC 445B.156. The certification/signature page is the last page of the application and the original "wet" signature must be provided.
- All items in the application must be addressed. If an item does not apply "N/A" or similar notation must be entered in the appropriate blank. All other information must be provided. Incomplete applications will be returned to the Responsible Official within 10 working days of receipt of the application.
- For the renewal of a Class II Operating Permit, a complete application and corresponding processing fee must be submitted in accordance with NAC 445B.3473, prior to the expiration date of the current permit. The BAPC suggests that the application be submitted well in advance of the timeline outlined in NAC 445B.3473 to ensure the application is deemed complete.
- If the facility applies for a permit that has not previously held a Class I of Class II operating permit, is located within 1,000 feet of a school, hospital, or residential area, or the Director determines that the change to the stationary source results in an increase in allowable emissions that exceeds the thresholds in NAC 445B.3457, the BAPC shall establish a 30-day period for public participation.

GENERAL COMPANY INFORMATION FORM

1. **Briefly describe the permitted facility's process and include the Standard Industrial Classification (SIC) number and North American Industry Classification System (NAICS). Add details in the attached Process Narrative.**

   The Phoenix Mine is an open pit mine, milling, and processing facility. As the primary product is copper concentrate, the facility is classified by SIC code 1021 and NAICS 212230.

2. **Company Name and Address that are to appear on the operating permit [NAC 445B.295(1)]:**

   Name: **Nevada Gold Mines LLC – Phoenix Mine**
   Address: **1655 Mountain City Highway**
   City: **Elko**
   State: **Nevada** Zip Code: **89801**

3. **Owner's Name and Address [NAC 445B.295(1)]:**

   Name: **Nevada Gold Mines LLC**
   Address: **1655 Mountain City Highway**
   City: **Elko**
   State: **Nevada** Zip Code: **89801**

4. **Facility Name and Address, if different from #2 [NAC 445B.295(1)]:**

   Name: **Nevada Gold Mines LLC – Phoenix Mine**
   Address: **P.O. Box 1657**
   City: **Battle Mountain**
   State: **Nevada** Zip Code: **89820**

5. **If records are required under the operating permit will be kept at a location other than the facility, specify that location [NAC 445B.295(7)]:**

   Name: **N/A (Records kept at facility)**
   Address:
   City:
   State: Zip Code:

GENERAL COMPANY INFORMATION FORM (continued)

6. Responsible Official Name, Title and Mailing Address [NAC 445B.295(1)]:

Name:	**Robert Tucker**
Title:	**General Manager**
Address:	**1655 Mountain City Highway**
City:	**Elko**
State:	**Nevada** Zip Code: **89801**
Phone Number:	**(775) 635-6671**
Fax Number:	**N/A**
E-mail Address:	**Robert.Tucker@nevadagoldmines.com**

Is this a new Responsible Official? ☐ Yes ☒ No

If yes, and the Responsible Official (RO) does not meet the definition under NAC 445B.156 then please fill out the "Responsible Official Identification/Designation/Change Request Form" and mail it in. (https://ndep.nv.gov/air/permitting/air-permit-forms-and-resources)

7. Plant Manager or other appropriate Contact Name, Title and Address [NAC 445B.295(1)]:

Name:	**Colin Gibb**
Title:	**Environmental Manager**
Address:	**1655 Mountain City Highway**
City:	**Elko**
State:	**Nevada** Zip Code: **89801**
Phone Number:	**(775) 635-4281**
Fax Number:	**N/A**
E-mail Address:	**Colin.Gibb@nevadagoldmines.com**

8. Location and Driving Directions to the Facility (For Example: From Elko, Nevada, 4 miles south of I-80 at xx Interchange) [NAC 445B.295(8)]:

Hydrographic Basin (HA) Number: **059, 131**

HA Basin Name: **Lower Reese River Valley, Buffalo Valley**

Township(s):		N; Range(s):		E; Section(s):
	30		**43**	**1-5, 8-11, 14-17, 20-22**
	31		**43**	**13, 15, 16, 20-29, 32-36**
	31		**44**	**18, 19**

UTM Coordinates for the Front Gate of the Facility (NAD 83, Zone 11):

4,483,772 m North; **487,594** m East;

Nearest City: **Battle Mountain**

County: **Lander**

Driving Directions from nearest city to the Facility: Take Exit 231 at Battle Mountain, NV. Turn right onto State Route 305. Travel approximately 12 miles on State Route 305. Turn right onto Copper Basin Road. Travel approximately 4 miles to Newmont Phoenix Road. Turn right onto Newmont Phoenix Road. Travel approximately 2 miles to the Front Gate.

GENERAL COMPANY INFORMATION FORM (continued)

9. Emission Cap Requested [NAC 445B.070 and NAC 445B.296(2)]:

☐ Yes ☒ No (If yes, provide details in the attached Process Narrative)

10. **Important note** for completing the Industrial Process, Combustion Equipment, Storage Silo, and Liquid Storage Tank Application forms: forms need to be included for permitted emission units and insignificant activities. Provide additional forms as needed. All items in the application must be addressed. If an item does not apply then "N/A" or similar notation must be entered in the appropriate blank (TBD, unknown, etc.).

11. Is the Facility located within 1,000 feet of a school, hospital, or residential area?
☐ Yes ☒ No

12. Does the Facility require controls or other limit restrictions to remain a Class II source?
☒ Yes ☐ No

13. Has the facility provided modeling for each non-combustion baghouse individually? (See Testing Determination System for Baghouses Guidance Document)
☐ Yes ☒ No

COMBUSTION EQUIPMENT APPLICATION FORM
CLASS II OPERATING PERMIT

System Number and Name: **25: Emergency Diesel Generator <500 hp**
Emission Unit Description: **Admin Emergency Diesel Generator: ≤205 kw, 2006 or newer**
Alternative Operating Scenario: ☐ **Yes** ☒ **No**
Insignificant Activity: ☐ **Yes** ☒ **No** If yes, identify exemption regulation: **N/A**
Subject to a Federal Regulation (40 CFR Part 60, 61, or 63): ☒ **Yes** ☐ **No** If yes, identify in process narrative.

Description			Data
Equipment Description	BAPC Emission Unit ID *Applicable for Renewal or Revision*	eg. Unit ID: S2.001	**S2.075**
	Source Classification Code (SCC)	e.g. *3-03-024-04 for Conveyors*	**2-02-001-02**
	Manufacturer		**Caterpillar**
	Date Manufactured		**2006 or newer**
	Model and Serial Number		**C6.6 (or equivalent)**
	Emissions Released Inside building?	yes/no	**No**
For Reciprocating Internal Combustion Engines (RICE) Only	Type of Engine Code (See Notes*)		**ECI**
	Date Constructed	month/day/yr	**Not Specified**
	Cylinder Displacement	liter/cylinder	**1.1**
	EPA Tier #		**3**
Location of Emission Source	UTM Northing (NAD 83, Zone 11)	m	**4,484,376**
	UTM Easting (NAD 83, Zone 11)	m	**488,249**
Operating Parameters /Fuel Usage	Fuel Type		**Diesel**
	Fuel Flow Meter Installed?	yes/no/NA	**No**
	Sulfur Content	%	**0.0015**
	Heat Content	Btu/*unit*	**140,000**
	Start Time *if operating less than 24 hours/day*	hour:minute	**N/A**
	End Time *if operating less than 24 hours/day*	hour:minute	**N/A**
Control Equipment	Manufacturer		**N/A**
	Manufacturer's Guarantee Included? *If "yes", attach manufacturer's sheets immediately after these forms.*	yes/N/A	**N/A**
Stack Parameters	Stack Height	feet	**2.6**
	Stack Inside Diameter	feet	**0.33**
	Stack Temperature	°F	**876**
	Stack Exit Velocity	feet/second	**207**
	Actual Gas Volume Flow Rate	acfm	**1,084**
	Dry Gas Volume Flow Rate *If not included in detailed calculations.*	dscfm	**354**
	Stack Release Type		☒ vertical ☐ capped ☐ horizontal

Notes*

Code	Description	Code	Description
LU	Limited Use	E-SI	Emergency Spark Ignition
LDG	Landfill/Digester Gas	SI4SRB	Spark Ignition 4-Stroke Rich Burn
NECI	Non-Emergency Compression Ignition	SI4SLB	Spark Ignition 4-Stroke Lean Burn
ECI	Emergency Compression Ignition	SI2SLB	Spark Ignition 2-Stroke Lean Burn

COMBUSTION EQUIPMENT APPLICATION FORM
CLASS II OPERATING PERMIT (continued)

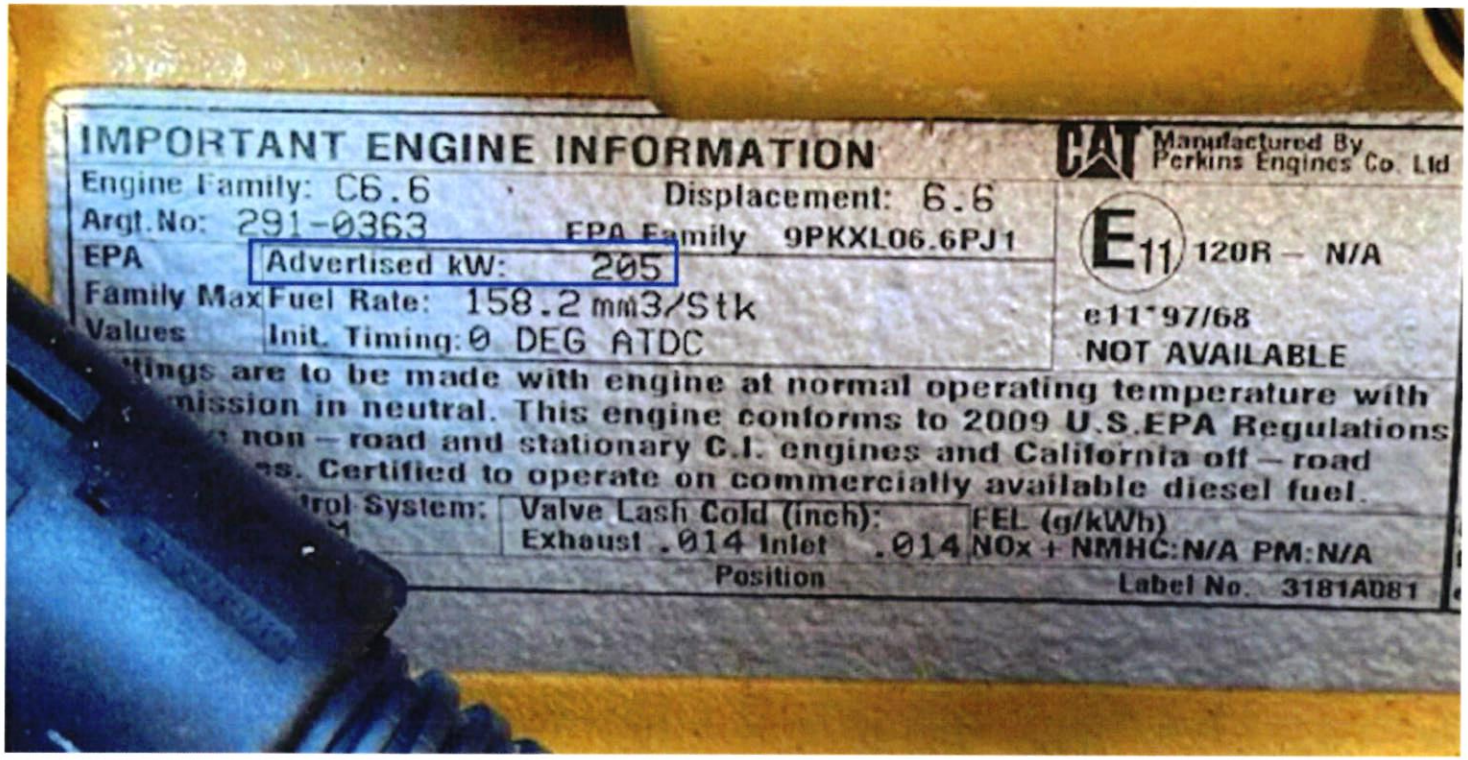
Emission Unit Description: **Admin Emergency Diesel Generator: ≤205 kw, 2006 or newer**

1. How will fuel consumption be monitored for this emission unit? (e.g. maximum fuel consumption rate supplied by manufacturer, fuel flow meter).
   Fuel consumption will be measured by the multiplying maximum fuel consumption rate by hours of operation.

2. Does this unit have the capability to bypass air pollution controls in an emergency situation as defined under NAC 445B.056?:
   ☐ **Yes** ☒ **No**

urs	Heat Input (MMBtu)		Fuel Usage			Power Output		Controls		Emissions				
ıual	Hourly	Annual	Hourly	Annual	Units	Amount	Units	Type	Efficiency or Dry Volume Flow Rate	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Ye R (tor
Diesel Generator <500 hp														
)0	1.92	192	13.7	1,375	gal	205	kW	None	N/A	PM	0.2	g/kW-hr	0.090	0.(
										PM_{10}	0.2	g/kW-hr	0.090	0.(
										$PM_{2.5}$	0.2	g/kW-hr	0.090	0.(
										SO_2	0.0015	lb/MMBtu	0.0029	0.0
										NO_X	4.0	g/kW-hr	1.81	0.
										CO	3.5	g/kW-hr	1.58	0.
										VOC	0.36	lb/MMBtu	0.69	0.

ıested information is still required.


IMPORTANT ENGINE INFORMATION
CAT Manufactured By Perkins Engines Co. Ltd
Engine Family: C6.6
Displacement: 6.6
Argt.No: 291-0363
EPA Family 9PKXL06.6PJ1
EPA
Advertised kW: 205
Family Max
Fuel Rate: 158.2 mm3/Stk
Values
Init. Timing: 0 DEG ATDC
E11 120R – N/A
e11*97/68
NOT AVAILABLE
tings are to be made with engine at normal operating temperature with
nission in neutral. This engine conforms to 2009 U.S.EPA Regulations
non – road and stationary C.I. engines and California off – road
s. Certified to operate on commercially available diesel fuel.
rol System:
Valve Lash Cold (inch):
Exhaust .014 Inlet .014
FEL (g/kWh)
NOx + NMHC:N/A PM:N/A
Position
Label No. 3181A081

ıal	Heat Input (MMBtu)		Fuel Usage			Controls		Emissions					
	Hourly	Annual	Hourly	Annual	Units	Type	Efficiency or Dry Volume Flow Rate	Pollutant	Factor	GWP Multiplier	Unit	Hourly Rate (lbs/hr)	Yearly Rate (tons/yr)
esel Generator <500 hp													
)	1.92	192	13.7	1,375	gal	None	N/A	CO_2	73.96	1	kg/MMBtu	313.8	15.7
								CH_4	0.003	28	kg/MMBtu	0.36	0.018
								N_2O	0.0006	265	kg/MMBtu	0.67	0.034

ıested information is still required.

Hours	Heat Input (MMBtu)		Fuel Usage			Controls		Emissions				
Annual	Hourly	Annual	Hourly	Annual	Units	Type	Efficiency or Dry Volume Flow Rate	Pollutant	Factor	Unit	Hourly Rate (lbs/hr)	Ye R (ton
Diesel Generator <500 hp												
100	1.92	192	13.7	1,375	gal	None	N/A	Benzene	9.33E-04	lb/MMBtu	1.80E-03	8.98
								Toluene	4.09E-04	lb/MMBtu	7.87E-04	3.94
								Xylenes	2.85E-04	lb/MMBtu	5.48E-04	2.74
								1,3-Butadiene	3.91E-05	lb/MMBtu	7.52E-05	3.76
								Formaldehyde	1.18E-03	lb/MMBtu	2.27E-03	1.14
								Acetaldehyde	7.67E-04	lb/MMBtu	1.48E-03	7.38
								Acrolein	9.25E-05	lb/MMBtu	1.78E-04	8.90
								Naphthalene	8.48E-05	lb/MMBtu	1.63E-04	8.16
								Acenaphthylene	5.06E-06	lb/MMBtu	9.74E-06	4.87
								Acenaphthene	1.42E-06	lb/MMBtu	2.73E-06	1.37
								Fluorene	2.92E-05	lb/MMBtu	5.62E-05	2.81
								Phenanthrene	2.94E-05	lb/MMBtu	5.66E-05	2.83
								Anthracene	1.87E-06	lb/MMBtu	3.60E-06	1.80
								Fluoranthene	7.61E-06	lb/MMBtu	1.46E-05	7.32
								Pyrene	4.78E-06	lb/MMBtu	9.20E-06	4.60
								Benz(a)anthracene	1.68E-06	lb/MMBtu	3.23E-06	1.62
								Chrysene	3.53E-07	lb/MMBtu	6.79E-07	3.40
								Benzo(b)fluoranthene	9.91E-08	lb/MMBtu	1.91E-07	9.54
								Benzo(k)fluoranthene	1.55E-07	lb/MMBtu	2.98E-07	1.49
								Benzo(a)pyrene	1.88E-07	lb/MMBtu	3.62E-07	1.81
								Indeno(1,2,3-cd)pyrene	3.75E-07	lb/MMBtu	7.22E-07	3.61
								Dibenz(a,h)anthracene	5.83E-07	lb/MMBtu	1.12E-06	5.61
								Benzo(g,h,i)perylene	4.89E-07	lb/MMBtu	9.41E-07	4.70

ıested information is still required.

FACILITY-WIDE POTENTIAL TO EMIT TABLE
(FOR ALL SOURCES INCLUDING INSIGNIFICANT ACTIVITIES)
(POUND/HOUR AND TON/YEAR)

Pollutant	Facility-Wide Potential to Emit (pound/hour)	Facility-Wide Potential to Emit (ton/year)
Total Particulate Matter (PM)	**65.53**	**195.03**
Total PM_{10}	**27.05**	**79.31**
Total $PM_{2.5}$	**8.41**	**25.74**
Total Sulfur Dioxide (SO_2)	**0.63**	**0.16**
Total Carbon Monoxide (CO)	**35.67**	**82.28**
Total Oxides of Nitrogen (NO_X)	**107.62**	**15.67**
Total Volatile Organic Compounds (VOC)	**7.56**	**3.76**
Total Lead (Pb)	**N/A**	**N/A**
Total Hydrogen Sulfide (H_2S)	**N/A**	**N/A**
Total Sulfuric Acid Mist (H_2SO_4)	**N/A**	**N/A**
Total Hazardous Air Pollutants (HAPs)	**N/A**	**0.407**
Total Greenhouse Gases (CO_{2e})	**N/A**	**25,573**
Other Regulated Pollutants (Specify)	**N/A**	**N/A**

REVISION TABLE

Please complete the table below if this application is for a **Revision** of an existing Class II Air Quality Operating Permit. Add more columns if needed for any other applicable regulated pollutants. All Potential To Emit (PTE) must be in tons per year (TPY) [NAC 445B.3457(5)(b)]

Description	Pollutants									
	PM	PM_{10}	$PM_{2.5}$	SO_2	NOx	CO	VOC	HAPs	CO_{2e}	Other
Permitted Facility-Wide PTE (TPY)	**195.06**	**79.34**	**25.77**	**0.19**	**16.05**	**82.30**	**3.76**	**0.407**	**25,575**	**N/A**
Proposed Facility-Wide PTE (TPY)	**195.03**	**79.31**	**25.74**	**0.16**	**15.67**	**82.28**	**3.76**	**0.407**	**25,573**	**N/A**
Change in Facility-Wide PTE (TPY)	**-0.029**	**-0.029**	**-0.029**	**-0.031**	**-0.38**	**-0.023**	**-0.0028**	**-0.00004**	**-2**	**N/A**

SURFACE AREA DISTURBANCE FORM

1. Total Acres of the Facility Site: **19,013**
2. Total Acres Disturbed: **11,871**
3. Add Surface Area Disturbance location as Township(s), Range(s) and Section
   T30N, R43E, Sections 1-5, 8-11, 14-17, and 20-22; T31N, R43E, Sections 13, 15, 16, 20-29, and 32-36; T31N, R44E, Sections 18 and 19
4. NAC 445B.22037 requires fugitive dust to be controlled (regardless of the size or amount of acreage disturbed), and requires an ongoing program, using best practical methods, to prevent particulate matter from becoming airborne. All activities which have the potential to adversely affect the local air quality must implement all appropriate measures to limit controllable emissions. Appropriate measures for dust control may consist of a phased approach to acreage disturbance rather than disturbing the entire area all at once; using wet suppression through such application methods as water trucks or water spray systems to control wind-blown dust; the application of soil binding agents or chemical surfactant to roadways and areas of disturbed soil; as well as the use of wind-break or wind limiting fencing designed to limit wind erosion soils.
5. If the Surface Area Disturbance is greater than 5 acres, please check each box that applies for Best Management Practices (BMPs) used for controlling dust on project's disturbed areas:
   - ☒ Water trucks
   - ☒ Graveling/paving of roadway storage areas and staging areas
   - ☐ Dust palliatives
   - ☐ Posting and limiting vehicle speeds to 10-15 miles per hour
   - ☐ Ceasing operations during high wind events
   - ☒ Fencing or berming to prevent unauthorized access to disturbed areas
   - ☒ Application of water sprays on material storage piles on a regular basis
   - ☐ Covering material storage piles with tarpaulin or geo-textiles; tenting
   - ☐ Use of overhead water spray racks or water hoses
   - ☐ Track-out controls (graveled entranced, exit area, and street sweeping)
   - ☐ Landscape preservation and impact avoidance
   - ☐ Wind fence
   - ☒ Pre-watering of areas to be disturbed (including all unpaved onsite roads and staging areas)
   - ☒ Inform all subcontractors (including truck drivers) of their responsibilities for the control of fugitive dust while they are on the project site
   - ☒ Training of equipment operators to recognize fugitive dust generation and having the authority to shut down operations until water truck arrives and sprays water on the disturbed areas
   - ☐ Other Applicable BMPs: **N/A**
   - ☐ Other Applicable BMPs: **N/A**
   - ☒ If using water trucks, list how many water trucks are used and their capacity in gallons: **Three water trucks: WT116 (45,000 gallons), WT051 (45,000 gallons), WT039 (32,000 gallons)**

PLANT BOUNDARY COORDINATES FORM *if applicable*

N/A - No Change is Being Proposed

Corner Number	UTM Easting	UTM Northing

PLANT BUILDING PARAMETERS FORM *if applicable*

N/A - No Change is Being Proposed

Building Parameters
Building Name: _____ **Building Tier :** _____
Roof Height (ft): _____ **Building Diameter (ft):** _____

Building UTM Coordinates

UTM Easting	UTM Northing	UTM Easting	UTM Northing

Building Parameters
Building Name: **Building Tier :** _____
Roof Height (ft): **Building Diameter[4] (ft):**

Building UTM Coordinates

UTM Easting	UTM Northing	UTM Easting	UTM Northing

APPLICATION CERTIFICATION DOCUMENT

(With Required Attachments)

Please check all applicable boxes below to indicate the information provided in your application submittal:

- ☒ General Company Information Form
- ☐ Industrial Process Application Form(s) – **N/A**
- ☒ Combustion Equipment Application Form(s)
- ☐ Storage Silos Application Form(s) – **N/A**
- ☐ Liquid Storage Tank Application Form(s) – **N/A**
- ☐ Manufacturer's Guarantee– **N/A**
- ☒ Facility-Wide Potential to Emit Table
- ☒ Surface Area Disturbance Form
- ☐ Plant Boundary Coordinates Form *if applicable* – **N/A**
- ☐ Plant Building Parameters Form *if applicable* – **N/A**
- ☒ Detailed Emission Calculations (for all emission units including IA units)
- ☐ Source Testing Data (if referenced in calculations) – **N/A**
- ☒ Process Narrative
- ☒ Process Flow Diagram(s)
- ☒ Site Plan(s) showing the locations (UTM coordinates), dimensions, and heights of buildings on the site
- ☒ Maps:
  - ☒ Vicinity Map of where the facility is located in the State
  - ☒ Area Map of the Facility (including location of all emission units, building locations (with UTMs), location of front gate, and fence line/site boundary (with UTMs))
- ☐ Environmental Evaluation (AERMOD Air Dispersion Modeling) *if applicable* – **N/A** [NAC 445B.310]
- ☐ Manufacturer's Guarantee *if applicable* – **N/A**
- ☒ Equipment Specifications *if applicable*
- ☐ TANKs Modeling Output *if applicable* – **N/A**
- ☒ Application Fee Attached or Electronically Submitted
- ☒ Digital Copy of Application on CD or Thumb Drive
- ☒ Application Certification Document with Original Responsible Official Signature

APPLICATION CERTIFICATION DOCUMENT (CONTINUED)

(With Required Attachments)

PLEASE NOTE THE FOLLOWING REQUIREMENTS WHICH APPLY TO PERMIT APPLICANTS DURING THE APPLICATION PROCESS:

A. A permit applicant must submit supplementary facts or corrected information upon discovery [NAC 445B.297(1)(b)].

B. A permit applicant is required to provide any additional information which the Director requests in writing within the time specified in the Director's request [NAC 445B.297(1)(c)].

C. Submission of fraudulent data or other information may result in prosecution for an alleged criminal offense [NRS 445B.470].

CERTIFICATION:

I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate and complete.

Robert Tucker

Signature of Responsible Official

Robert Tucker, General Manager

Print or Type Name and Title

10/15/2026

Date

Appendix 1: Narrative, Flow Diagram, and Maps

NARRATIVE DESCRIPTION

Proposed Changes

Nevada Gold Mines LLC (NGM) is providing this narrative as part of the application for a revision to Class II Air Quality Operating Permit AP1021-0220.06 for the Phoenix Mine (Phoenix). With this revision, NGM is proposing to replace the System 25 Admin Emergency Diesel Generator. Additionally, NGM is proposing to update the fuel monitoring method for System 62 (S2.069 - S2.071) SXEW Steam Boilers. Details for these proposed changes are provided below. Because potential emissions decrease for each pollutant, an environmental evaluation (i.e., dispersion modeling) was not completed for this modification.

The new diesel-fired emergency engine (proposed as System 25, S2.075) is manufactured in 2006 or newer with a power rating of 205 kW. The maximum fuel flow rate for the engine is calculated based on the engine nameplate power rating, a photo for which is provided with this application. The diesel-fired generator is subject to 40 CFR Part 63, Subpart ZZZZ and 40 CFR Part 60, Subpart IIII.

Based on feedback from BAPC during a records review, to align with current monitoring and recordkeeping practices, NGM is proposing to update Section V.AG.4.b. from "Monitor and record the consumption rate of natural gas on a daily basis for S2.069 through S2.071, each (in scf)." to "Monitor and record the consumption rate of natural gas on a daily basis for S2.069 through S2.071, each (in scf), *by multiplying the maximum hourly fuel consumption rate as stated in AG.2.b of this section and the total daily hours of operation.*"

A process flow diagram, vicinity map, and area map of the facility are provided as Figures 1, 2, and 3, respectively.

Existing Facility

The principal operation at Phoenix constitutes a metal mine as defined by the two-digit SIC Code 10 for the Primary Metal Industry. Because the ore mined and resulting product primarily contains copper, the facility can be further classified by SIC Code 1021, defined as "establishments primarily engaged in mining, milling, or otherwise preparing copper ores." Phoenix is classified by NAICS Code 212230 for "Copper Ore Mining."

At the Phoenix Mine, ore is mined from an open pit and transferred to either the copper leach pad or to the mill. Descriptions of the mining, processing, and supporting activities that make up Phoenix are provided below.

Ore Extraction

The mining process uses standard open pit mining techniques of drilling, blasting, loading, and hauling of ore and waste. From the open pit, waste rock is removed from the pit by blasting with ammonium nitrate and fuel oil explosive (ANFO), loaded by front-end loaders or shovels into haul trucks, and hauled to a waste rock disposal area. Copper ore is then mined by similar mining methods: ore is drilled, blasted with ANFO, loaded into haul trucks, and then hauled to

the crusher circuit or directly to the heap leach pad. Pollutants emitted from open-pit mining are fugitive dust and combustion products from blasting. These emissions are fugitive as they cannot reasonably pass through a stack or vent. The ammonium nitrate prill used for blasting is stored onsite in storage silos. The ammonium nitrate prill storage silos have the potential to emit particulate emissions from silo loading and unloading. The prill silos each have a capacity of less than 125 tons and have been designated as insignificant activities consistent with the Director's Determination dated October 26, 2016, per NAC 445B.288.4.

Fugitive dust emissions from haul roads are controlled by watering or application of chemical dust suppressants. When practical, fugitive dust emissions from wind erosion of exposed areas are controlled by watering or revegetation.

Ore Processing

Copper Heap Leaching

Low-grade ore is hauled to the heap leach pads where a dilute sulfuric acid solution is used to irrigate the leach pad and recover the copper from the ore. The resulting pregnant leach solution (PLS) is collected in a pond and transferred to the Solvent Extraction and Electrowinning (SXEW) circuit, where the copper is extracted and purified. The PLS is mixed with solvent, which bonds with the copper in solution, leaving a barren leach solution to which sulfuric acid is added before being transferred back to the leach pads. Steam from natural gas-fired boilers supports the process. The copper-solvent solution is transferred to the EW circuit, comprised of cells of anodes and cathodes. The positively-charged copper ions in solution are plated onto the negatively-charged cathodes, producing metallic copper.

The System 60 temporary boilers are subject to 40 CFR Part 60, Subpart Dc. All boilers (i.e., System 60 and 62) are controlled by best management practices.

Crushing and Milling Operations

Mill-grade ore from the open pit is hauled either directly to the primary crushers or stockpiled on the run-of-mine (ROM) pad to later be fed to the crushers. Once crushed, ore passes over a screen, from which the undersized material is transferred to the crushed ore stockpile. The oversized material is transferred to the secondary crushing circuit to be crushed further before finally being conveyed to the crushed ore stockpile. Underground feeders transfer the ore from the crushed ore stockpile to the semi-autogenous grinding (SAG) mill feed conveyor, where lime is added for pH control from a silo. In the SAG mill, water is added, and steel grinding media grinds the ore into smaller-sized material.

With the exception of transfers to stockpiles, the crushing, screening, and milling circuits are subject to 40 CFR Part 60, Subpart LL. Particulate emissions from crushing, screening, and conveying are controlled by either enclosures, water sprays, vent filters, or baghouses. Particulate emissions associated with lime silo loading are controlled by a vent filter, while silo unloading is controlled by an enclosure. The SAG mill is a wet mill where saturated material is required by the equipment and is therefore not considered an emission unit.

Metal Recovery

After grinding, the slurried ore is transferred either to the gravity concentration circuit or to the cyanide leach and carbon-in-pulp (CIP) circuit. In the gravity concentration circuit, coarse gold is separated from the slurry before being pumped to a cyanidation tank for recovery of primarily gold and silver. The remainder of the slurry is pumped to a flotation circuit where reagents are added to float the copper in the ore, creating a copper concentrate that is then thickened and filtered before being stockpiled for shipment off site. In the cyanide leach and CIP circuit, sodium cyanide is used to leach gold from the ore, forming a gold-cyanide complex in solution that is then adsorbed onto activated carbon in a series of CIP tanks. The spent slurry exiting the CIP tanks is sent to the tailings pond.

Gold from loaded carbon is recovered in a strip circuit, where steam generated by a natural-gas fired boiler (System 15) is added to support the process. The gold-bearing material from strip is pumped to the electrowinning circuit and then dried in an on-site retort. The dried sludge is transported offsite for further processing. The barren carbon is then regenerated through a kiln before being transferred back to the CIP circuit.

NOx emissions from the boiler are controlled by a low NOx burner. Particulate emissions associated with the copper concentrate transfers are controlled by saturation. Particulate emissions from the kiln are controlled by a wet scrubber, while potential mercury emissions are controlled by carbon columns. Potential mercury emissions from the retort are controlled by a carbon filter.

Ancillary Equipment

One 7,000-gallon capacity gasoline storage tank can be found on site and is subject to 40 CFR Part 63, Subpart CCCCCC. Additionally, there are several fuel storage tanks on site with a maximum capacity of less than 40,000 gallons, which are insignificant activities per NAC 445B.288.2(d). Several emergency diesel-fired and propane-fired generators and emergency diesel-fired fire water pumps support the site, which are subject to 40 CFR Part 60, Subpart IIII, 40 CFR Part 60, Subpart JJJJ, and/or 40 CFR Part 63, Subpart ZZZZ.

An onsite laboratory supports operations by preparing and analyzing ore and waste rock samples. The sample preparation equipment includes splitters, screens, and a mill. Particulate emissions from the equipment are ducted through a baghouse, however, due to the small uncontrolled potential to emit for this equipment, these sources are considered insignificant activities per NAC 445B.288.4.

In addition to the sources described above, the facility also has a number of sources deemed insignificant activities. These include propane vaporizers, natural gas-fired heaters, and natural gas-fired boilers.

Figure 1. Generator Process Flow Diagram

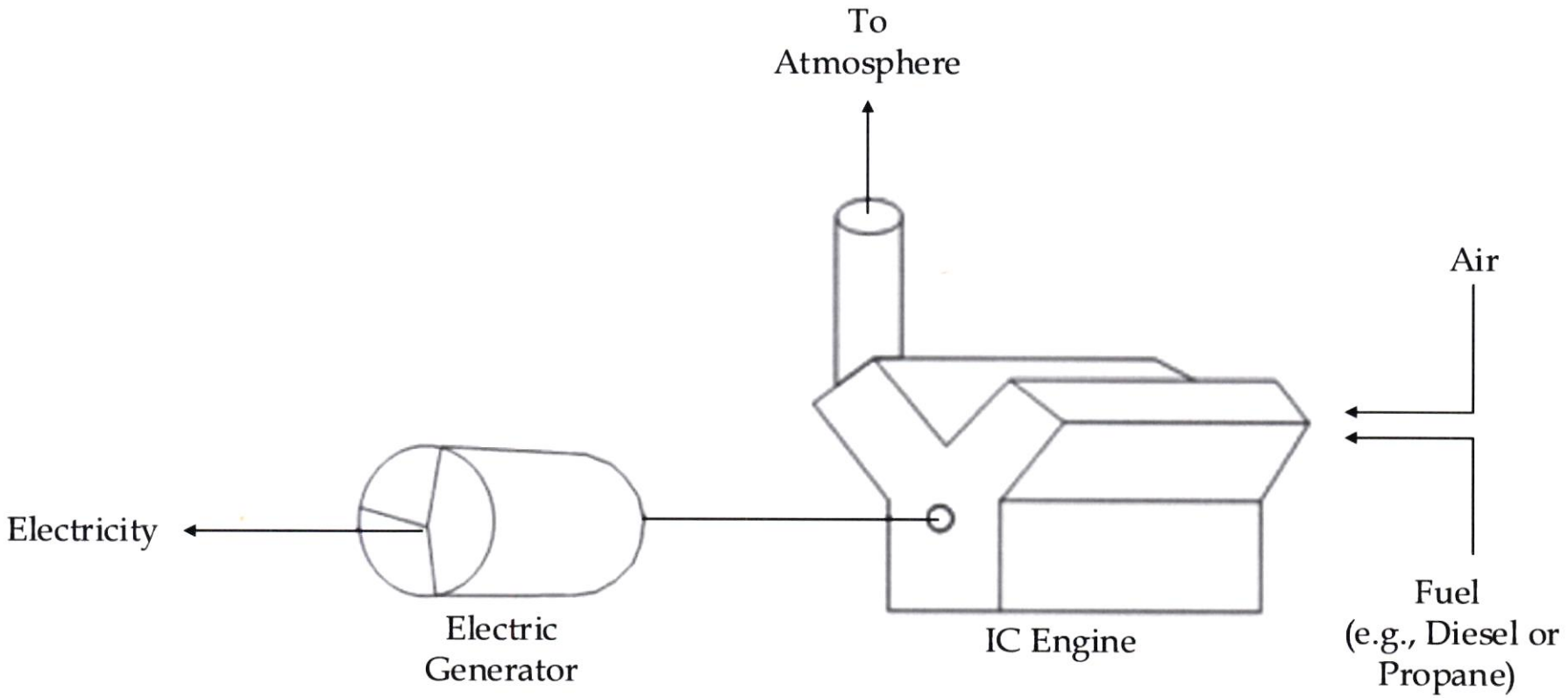


Figure 2. Facility Vicinity Map

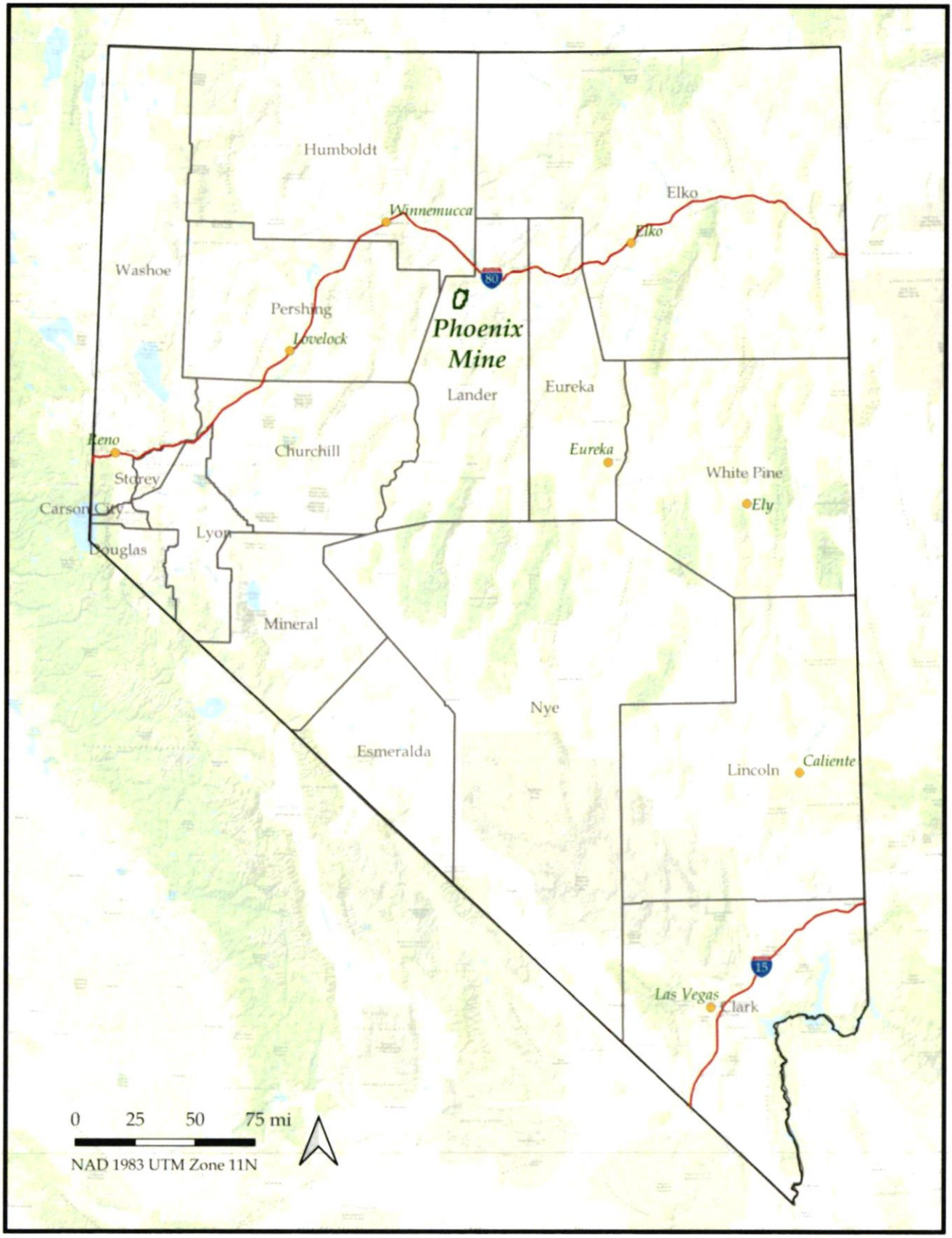


Figure 3. Area Map of the Facility

