

STATE OF NEVADA
Department of Conservation and Natural Resources
Division of Environmental Protection
Bureau of Mining Regulation and Reclamation
Water Pollution Control Permit

Permittee: **Klondex Midas Operations Inc.
Midas Project (Ken Snyder Mine)
4000 W Winnemucca Blvd
Winnemucca, NV 89445**

Permit Number: **NEV0096107**
Review Type/Year/Revision: **Renewal 2025, Revision 00**

Pursuant to Nevada Revised Statutes (NRS) 445A.300 through 445A.730, inclusive, and regulations promulgated thereunder by the State Environmental Commission and implemented by the Division of Environmental Protection (the Division), this Permit authorizes the Permittee to construct, operate, and close the **Midas Project (Ken Snyder Mine)**, in accordance with the limitations, requirements, and other conditions set forth in this Permit. The Permittee is authorized to process up to **450,000 tons** of ore per year.

The project is located within portions of Sections 21, 22, 27, 28, 33, and 34, Township 39 North, Range 46 East, Mount Diablo Baseline and Meridian, in western Elko County, approximately 1.5 miles southeast of the town of Midas, Nevada.

The Permittee must comply with all terms and conditions of this Permit and all applicable statutes and regulations.

This Permit is based on the assumption that the information submitted in the application of 29 July 1997, as modified by subsequent approved amendments, is accurate and that the facility has been constructed and is being operated as specified in the application. The Permittee must inform the Division of any deviation from, or changes in, the information in the application, which may affect the ability of the Permittee to comply with applicable regulations or Permit conditions.

This Permit is effective as of **08 March 2025**, and shall remain in effect until **23 February 2028**, unless modified, suspended, or revoked.

Signed this 19 day of **February 2025**.



Ashley Taylor, P.E.
Chief, Bureau of Mining Regulation and Reclamation

I. Specific Facility Conditions and Limitations

A. In accordance with operating plans and facility design plans reviewed and approved by the Division the Permittee shall:

1. Construct, operate, and close the facility in accordance with those plans;
2. Contain within the fluid management system all process fluids including all meteoric waters which enter the system as a result of the 25-year, 24-hour storm event; and
3. Not release or discharge any process or non-process contaminants from the fluid management system.

B. Schedule of Compliance:

Within 120 days of the Permit effective date, the Permittee shall submit to the Division an updated TPPC, pursuant to the Nevada Administrative Code (NAC) 445A.398. This conceptual closure plan shall describe each facility [NAC 445A.108], provide characterization, and outline the procedures, methods and schedule for stabilizing all sources. The plan for both surface and underground components shall include, but not be limited to, a draindown model, long-term seepage management, cover model/design, stormwater diversion channel management, and an implementation schedule per Bureau of Mining Regulation and Reclamation (BMRR) Guidance for Preparing Tentative Plans for Permanent Closure as well as Guidance for Permanent Closure of Underground Mine Workings.

C. The fluid management system covered by this Permit consists of the following process components:

1. Two sedimentation basins, a liquid hydrocarbon separator, and all interconnecting piping, pumps, tanks, and equipment (currently not in use);
2. Tailings thickener containment area and components including, but not limited to, pipeline from the cyanide destruction facility to the tailings thickener, thickener tank, flocculant system tank, underflow and overflow piping, pumps, sumps, and other pipelines necessary to interconnect the components;
3. High-density polyethylene (HDPE) lined tailings impoundment, Phases 1 through 4 and Phase V (now collectively named Phase VI), underdrain solution collection system, pneumatic piezometers in the underdrain blanket, an HDPE-double-lined underdrain solution collection pond with leak detection and recovery system, double-walled reclaim solution pipeline, tailings slurry conveyance pipeline, and HDPE-lined slurry pipeline ditch;
4. HDPE-lined tailings impoundment (Section 22 Impoundment) underdrain solution collection system, groundwater collection system, an HDPE-double-lined underdrain solution collection pond with leak detection and recovery system, double-walled reclaim solution pipeline, and tailings slurry conveyance double-walled pipeline;
5. Mill process building and containment including, but not limited to, all tanks, basins, sumps, pumps, and pipelines necessary to interconnect the components;

6. Mill process building perimeter containment area and components including, but not limited to, all leach tanks, thickener tanks, vats, basins, leak detection systems, sumps, pumps, and pipelines necessary to interconnect the components;
7. Tailings thickener containment including, but not limited to, all tanks, basins, sumps, pumps, and pipelines necessary to interconnect the components;
8. Crusher building and containment including, but not limited to, the dust control and bag house wash water collection sump, pipelines, valves, and pumps used in collection and conveyance of fluids;
9. The lined Portal Ore Stockpile Pad with solution collection sump and conveyance pipeline, the Waste Rock Storage Area (WRSA) with downgradient solution collection basin, and a low grade ore stockpile on top of the WRSA;
10. The MW-19 Pumpback System, transfer ditches, channels, pipelines, valves, pumps, sumps, and their containment used in conveyance, control, or detection of process fluids between components; and
11. Two carbon columns in the Reclaim Solution Processing System located within the Counter Current Decant (CCD)/Tank Farm containment area of the mill processing facility.

D. Monitoring Requirements:

<u>Identification</u>	<u>Parameter</u>	<u>Frequency</u>
1. <u>Process Water Supply</u> Make-up water collected upstream of process (WS)	Profile I ⁽¹⁾ and Uranium ⁽⁴⁾	Quarterly
2. <u>Leak Detection Sumps</u> Underdrain Collection Ponds CPLD-1 (2,180 gallon capacity) CPLD-2 (580 gallon capacity) Overflow/Underflow from Thickener; MW-20 Pumpback Pipe Monitoring Port	Average daily accumulation (gpd); Presence of Solution	Quarterly average of weekly measurements ⁽⁷⁾ ; Quarterly
3. <u>Crusher Dust Sump</u> CDS (22 gallon capacity)	Average daily accumulation (gpd)	Quarterly average of weekly measurements ⁽⁷⁾
4. <u>Tailings Impoundment</u> <u>Piezometers/Settlement</u> <u>Monuments</u> Phase 4 basin:		

<u>Identification</u>	<u>Parameter</u>	<u>Frequency</u>
<p>P4-01, P4-02, P4-03, P4-04 Section 22: Main Embankment: P22-1, P22-2, P22-3 Saddle Dam: P22-4, P22-5;</p> <p>Section 22 Settlement Monuments: SM-1, SM-2, SM-3, SM-4, SM-5</p>	<p>Hydraulic head (feet);</p> <p>Elevation (feet AMSL)</p>	<p>Quarterly average of weekly measurements;</p> <p>Quarterly</p>
<p>5. <u>Tailings Solutions</u> Liquid Fraction prior to discharge into impoundment: Phase VI: TW Section 22: TW-22 Supernatant Pool fluid: Phase 1, 2, 3 & V basin (TSP) Phase 4 basin (TSP-1) Section 22 (TSP-22)</p>	<p>Profile I⁽¹⁾ and Uranium⁽⁴⁾</p>	<p>Semi Annually (2nd and 4th Quarters)</p>
<p>6. <u>Tailings Slurry</u> Solid Fraction prior to discharge into impoundments: Phase VI (TS) Section 22 (TS-22)</p>	<p>MWMP⁽¹⁰⁾-Profile I⁽¹⁾ and Uranium⁽⁴⁾</p>	<p>Annually</p>
<p>7. <u>Underdrain Collection Pond</u> Underdrain solution Phase VI: CP-1 Section 22: CP-2</p>	<p>Profile I⁽¹⁾ and Uranium⁽⁴⁾; Depth (feet)</p>	<p>Quarterly; Daily</p>
<p>8. <u>On-Site Mined Materials</u> Waste Rock per lithology; Portal Ore Stockpile; Low Grade Ore Stockpile</p>	<p>MWMP⁽¹⁰⁾-Profile I⁽¹⁾ and NMSP⁽⁸⁾⁽¹¹⁾ and Uranium⁽⁴⁾</p>	<p>Quarterly</p>
<p>9. <u>Groundwater Monitoring Wells</u> MW-2, MW-4, MW-5B⁽⁹⁾, MW-9, MW-18A, PW-1, PW-1A, MW-23, MW-24; MW-1, MW-3, MW-19, MW-21, MW-22</p>	<p>Profile I⁽¹⁾ and Uranium⁽⁴⁾ and static water level (feet AMSL)</p>	<p>Quarterly; Monthly</p>

<u>Identification</u>	<u>Parameter</u>	<u>Frequency</u>
10. <u>Seasonal Spring</u> Msq-A	Profile I ⁽¹⁾ and Uranium ⁽⁴⁾ ; Flow rate (gpm)	Quarterly; Monthly
11. <u>Underground Mine Water and Ore Stockpile Pad Solution</u> Mine Water at the UG-CP Ore Stockpile Pad solution at collection sump (OSP-CS); Waste Rock Stormwater Collection Basin (WR-CB); Construction Water Pond	Profile I ⁽¹⁾ , Uranium ⁽⁴⁾ , and TPH; Average flow rate (gpm); Profile I ⁽¹⁾ and Uranium ⁽⁴⁾ ; Profile I ⁽¹⁾ and Uranium ⁽⁴⁾	Monthly; Weekly; Quarterly (when present); Quarterly
12. <u>Off-site Mined Material Processing</u> Individual Batch size(s) by Source; Composite sample of each batch processed by source ID; Representative tailings liquid discharge fraction (TW-O)	Source ID, tons, dates processed; MWMP ⁽¹⁰⁾ -Profile I ⁽¹⁾ and NMSP ⁽⁸⁾⁽¹¹⁾ ; and Uranium ⁽⁴⁾ Profile I ⁽¹⁾ and Uranium ⁽⁴⁾	Quarterly; Quarterly; Quarterly
13. <u>MW-19 Nitrate Investigation</u> <u>Pumpback System</u> Pumpback well MW-20; Phase IV Embankment Drain ⁽¹³⁾ ; Flow rates: MW-20 discharge, Phase IV underdrain,	Profile I ⁽¹⁾ , Uranium ⁽⁴⁾ , and static water level (feet AMSL); Profile I ⁽¹⁾ , Uranium ⁽⁴⁾ , and average flow rate (gpm);	Monthly; Monthly (when flowing); Quarterly average of

<u>Identification</u>	<u>Parameter</u>	<u>Frequency</u>
Underdrain Pond Pumpback System	Average flow rate (gpm) from totalizer flow meters at Phase IV valve box	weekly measurements
14. <u>Outlets from Section 22</u> Groundwater Collection Pipe (GCP-1) Saddle Dam Collection Pipe (SDP-1) Underdrain Groundwater Collection (UDGC)	Profile I ⁽¹⁾ ; and Uranium ⁽⁴⁾ Average flow rate (gpm) from totalizer flow meter	Quarterly (when flowing); Quarterly average of weekly measurements (when flowing)
15. <u>Section 22 Impoundment Road Stormwater Runoff</u>	Profile I ⁽¹⁾ and Uranium ⁽⁴⁾	Quarterly (when present)
16. <u>Material Shipments</u> Mined Material Shipped Off Site	MWMP ⁽¹⁰⁾ -Profile I ⁽¹⁾ and ANP/AGP ⁽⁸⁾⁽¹¹⁾ ; and Uranium ⁽⁴⁾ Amount of mined material shipped at end of quarter (tons) by receiving facility name and Nevada WPCP number, as applicable	Initially by source, then quarterly
17. <u>Off-site Solution</u>	Profile I ⁽¹⁾ and Uranium ⁽⁴⁾ and volume of solution (gallons) received from Fire Creek and disposal location	Quarterly
18. <u>Weather Station Facility</u> Ambient Conditions	Ambient temperature,	Monthly Average of

<u>Identification</u>	<u>Parameter</u>	<u>Frequency</u>
	(min/max), relative humidity (%), wind speed (mph), wind direction (azimuth degree), total precipitation (inches), solar irradiance (W/m ²), and SWE (inches)	Daily Measurements

The Permittee may request a reduction of the monitoring frequency after four quarters of complete monitoring based on justification other than cost. Such reductions may be considered modifications to the Permit and require payment of modification fees.

Abbreviations and Definitions:

gpm = gallons per minute; gpd = gallons per day; AMSL = above mean sea level; S.U. = standard units; mg/L = milligrams per liter; MWMP = Meteoric Water Mobility Procedure; ANP/AGP = Acid Neutralizing Potential/Acid Generation Potential ratio; TPH = total petroleum hydrocarbons; ID = identification; WAD = weak acid dissociable; CaCO₃ = calcium carbonate; μS/cm = microSiemens per centimeter; Q = quarter; N = Nitrogen

Footnotes:

(1) Profile I:

General Chemistry Parameters		
Acidity ⁽²⁾	Chloride	pH (± 0.1 SU)
Alkalinity (as CaCO ₃)	Fluoride	Sulfate
Bicarbonate ⁽³⁾	Nitrate + Nitrite (as N)	Total Dissolved Solids
Total ⁽³⁾	Nitrogen Total (as N)	WAD Cyanide
Metals Dissolved		
Aluminum	Chromium	Potassium
Antimony	Copper	Selenium
Arsenic	Iron	Silver
Barium	Lead	Sodium
Beryllium	Magnesium	Thallium
Cadmium	Manganese	Zinc
Calcium	Mercury	--

- (2) All sample analyses resulting in a pH value less than or equal to 5.0 SU shall also be analyzed for acidity (mg/L, as CaCO₃ equivalent).
- (3) All sample analyses resulting in a pH value greater than or equal to 4.5 SU shall be analyzed for Alkalinity (Bicarbonate and Total).
- (4) Uranium (total) shall be reported in mg/L and have the reference value of 0.03 mg/L. If uranium (total) concentration is ≥ 0.030 mg/L, analysis for the Profile I⁽¹⁾, Uranium, and Profile R⁽⁵⁾ is required in the subsequent quarter.

(5) Profile R:

Parameter	Reference Value/Unit
Gross Alpha ⁽⁶⁾	pCi/L
Adjusted Gross Alpha*	15 pCi/L
226Radium	pCi/L
228Radium	pCi/L
226Radium + 228Radium	5 pCi/L

*Adjusted gross alpha is gross alpha minus uranium activity in pCi/L.

- (6) If the sample location is known to have a TDS greater than 1,000 mg/L, gross alpha must be analyzed using an appropriate method, e.g., EPA 00-02, EPA 900.0. Additionally, if the reported gross alpha activity is less than or equal to 15 pCi/L and the uncertainty of the adjusted gross alpha analysis is greater than or equal to 15 pCi/L is acceptable (e.g. 36 ± 21 pCi/L would be acceptable since the low range is at 15 pCi/L). Please utilize the appropriate method to minimize the uncertainty. See Profile R analyte list on the Division's website for additional information.
- (7) Sump must be inspected and evacuated on a more frequent basis than weekly if the fluid level is above the top of the sump or the invert of any pipe which discharges into the sump, whichever level is lower, or if the potential exists to exceed the sump capacity. Records are required documenting the volume, date, and time of extraction to show that sumps are maintained in this condition.
- (8) When static testing⁽¹¹⁾ characterization of Mined Materials shows the potential for acid generation as set forth in the current version of the Division guidance document "Waste Rock, Overburden, and Ore Evaluation", the Permittee shall, as applicable, notify the Division in writing and initiate kinetic testing⁽¹²⁾ within 10 days.

If the kinetic test results indicate acid generation conditions exist, the Permittee shall submit in writing, within 30 days, the methods proposed for providing containment of these materials and the anticipated impact this acid generation potential may have

on final stabilization of all components affected as defined in Nevada Administrative Code (NAC) 445A.359.

- (9) Groundwater monitoring well MW-5B may be dry until the intermittent pumping of monitoring well PW-1A for makeup water is discontinued but status must be reported.
 - (10) The Meteoric Water Mobility Procedure (MWMP) shall be performed by a Nevada-approved laboratory in accordance with American Society for Testing and Materials (ASTM) method E 2242-13 (or the most current method).
 - (11) Acid Neutralizing Potential/Acid Generating Potential (ANP/AGP, also known as static testing or acid-base accounting) shall be performed by a Nevada-approved laboratory, using a LECO-type analysis, with full sulfur speciation if ANP/AGP < 1.2, in accordance with the most current update of the Nevada Modified Sobek Procedure.
 - (12) Kinetic testing (humidity cell testing) shall be performed by a Nevada-approved laboratory, in accordance with ASTM Method D 5744-18 Option 'A' (or the most current approved method); tests shall be run for a minimum of 20 weeks and for a longer duration if warranted or recommended by the analytical laboratory or required by the Division; samples shall be collected weekly (all weeks) and measurements shall be recorded for redox potential, pH, specific conductance ($\mu\text{S}/\text{cm}$), acidity and/or alkalinity (as deemed appropriate by the laboratory), sulfate, iron (total, plus ferric and ferrous speciation if total iron > 0.6 mg/L and pH < 5 SU), and dissolved calcium and magnesium; weekly filtered extracts per the method will be digested and analyzed for total recoverable concentrations during week 0, 1, 2, 4, 8, 12, 16, and 20; 4-week extracts thereafter (i.e., week 24, 28, 32, etc.) shall be analyzed by a Nevada-certified analytical laboratory for Profile I⁽¹⁾ parameters, and specific conductance ($\mu\text{S}/\text{cm}$) and acidity and/or alkalinity shall be recorded as recommended by the analytical laboratory; final results reported shall include initial and final static test results⁽¹¹⁾, a Profile I⁽¹⁾ analysis of the final leachate, all kinetic test results above, and any additional analyses required by the Division.
 - (13) Approval to blind flange the Phase IV Construction Drain in 2010 (see 6 August 2010 Amec letter) required periodic loosening of the valve to check for fluid build-up. Loosen the valve quarterly. If solution is present, sample for Profile I and monitor the flow.
- E. Quarterly and annual monitoring reports and spill reporting shall be in accordance with Part II.B.
- F. All sampling and analytical accuracy shall be in accordance with Part II.E.
- G. Permit Limitations
1. The hydraulic head on the tailings impoundment piezometers located in the drainage blankets shall be managed to maintain the integrity of the tailings impoundment and embankment fluid management system in accordance with the approved component design, NAC 445A.437 and NAC 445A.438.

2. The maximum permitted Phase VI tailings impoundment embankment crest elevation is 5,680 feet AMSL.
3. The maximum permitted saddle dam and main embankment crest elevation for Phase 1 of the Section 22 tailings impoundment is 5,703 feet AMSL.
4. The maximum permitted saddle dam and main embankment crest elevation for Phase 2 of the Section 22 tailings impoundment is 5,725 feet AMSL.
5. The maximum permitted saddle dam and main embankment crest elevation for Phase 3 of the Section 22 tailings impoundment is 5,746 feet AMSL.
6. The maximum permitted saddle dam and main embankment crest elevation for Phase 4 of the Section 22 tailings impoundment is 5,761 feet AMSL.
7. The daily accumulation of flow exceeding 150 gallons per day averaged over the quarter in the leak detection sump identified in Part I.D.2.
8. The daily accumulation of flow exceeding 50 gallons per day averaged over the year in the leak detection sump identified in Part I.D.2.
9. The daily accumulation of flow exceeding 45 gallons per day averaged over the quarter in the leak detection sump identified in Part I.D.3.
10. The daily accumulation of flow exceeding 15 gallons per day averaged over the year in the leak detection sump identified in Part I.D.3.
11. Failure to meet a Schedule of Compliance date or requirement.
12. All analytical samples shall be analyzed as mentioned in the Footnotes or Section II.E, as applicable.
13. A minimum 3-foot freeboard must be maintained in any supernatant pool.
14. Processing of off-site mined material from a new source, including other permitted facilities owned or operated by the Permittee not previously approved by the Division, requires submittal, review, and approval by the Division, prior to delivery to the site, of a permitted source identification if in the state of Nevada, material characterization, completed in accordance with this Permit, and the tonnage proposed for processing. All off-site mined material must be stockpiled within appropriate approved containment at all times prior to processing and in volumes that do not exceed the design limits of the containment.
15. Material placement on the Portal Ore Stockpile Pad shall not exceed the design height of 12 feet above the pad overliner surface.
16. Based on measured performance of the MW-19 Pumpback System, the Permittee shall operate and/or modify the system as necessary in accordance with the approved Corrective Action Plan and/or subsequent Division approvals, which may require permit modification.

Exceedances of these limitations may be Permit violations and shall be reported as specified in Part II.B.4.

- H. The facility shall maintain automated or manual calibrated rain and snow gauge(s), which shall be monitored at least daily to record precipitation (inches of water, including snow water equivalent). A written and/or electronic record of precipitation data, and any other weather data required in Part I.D, shall be maintained on site and shall be submitted to the Division upon request, with each Permit renewal application, and pursuant to Parts II.B.1 and II.B.2, as applicable, in a Division-approved electronic format. .
- I. The Permittee shall inspect all control devices, systems, and facilities weekly, and during (when possible) and after major storm events. These inspections are performed to detect evidence of:
1. Deterioration, malfunction, or improper operation of control or monitoring systems;
 2. Sudden changes in the data from any monitoring device;
 3. The presence of liquids in leak detection systems; and
 4. Severe erosion or other signs of deterioration in dikes, diversions, closure covers, or other containment devices.
- J. Prior to initiating permanent closure activities at the facility, or at any process component or other source within the facility, the Permittee shall submit and obtain approval from the Division, in writing, of a final plan for permanent closure.
- K. The Permittee shall remit an annual review and services fee in accordance with NAC 445A.232 starting July 1 after the effective date of this Permit and every year thereafter until the Permit is terminated or the facility has received final closure certification from this Division.
- L. The Permittee shall not dispose of or treat Petroleum-Contaminated Soil (PCS) on the mine site without first obtaining from the Division approval of a PCS Management Plan. PCS shall be managed according to the Plan, and regardless of any prior risk assessment approvals, shall not be left in-situ at permanent closure without Division authorization. This applies to any contaminated soil that formed as the result of a release outside of the PCS management pad. For any hydrocarbon releases to be left in-place until final closure, the Permittee shall submit documentation per NAC 445A.227
- M. When performing dust suppression activities, the Permittee shall use best management practices and appropriate selection of water source and additives to prevent degradation of waters of the State. If a dust suppressant exceeds a water quality standard and the corresponding natural background water concentration in the area where dust suppression will occur, the Permittee shall demonstrate no potential to degrade waters of the State. Any water used for dust suppression from a wash-bay before or after an oil/water separator must be tested for compliance with Profile I and TPH standards initially and then quarterly thereafter. Any water not meeting the Profile I and TPH standards may not be used outside of containment.
- N. Continuing Investigations:
1. The Permittee shall submit to the Division for review and approval an updated waste rock management plan (WRMP) with any application to renew or modify the Permit

that could affect the WRMP. A revised WRMP must also be approved prior to initiating mining or in-pit backfill activities not previously approved. The WRMP must include representative characterization data for all anticipated waste rock and overburden in accordance with the current version of the Division guidance document "Waste Rock, Overburden, and Ore Evaluation," in addition to a detailed description of how, when, and where the materials will be managed and monitored, and appropriate controls to eliminate any potential to degrade waters of the State, if applicable. Approval may require modification of the Permit and payment of modification fees. If the Permittee determines that renewal of the Permit will not affect the WRMP, in lieu of an updated WRMP, the Permittee may submit to the Division for review and approval an evaluation and determination of the continued suitability and adequacy of the existing Division-approved WRMP. The evaluation shall consider current conditions, changes to site operations and physical conditions, and monitoring results since WRMP approval.

II. General Facility Conditions and Limitations

A. General Requirements

1. The Permittee shall achieve compliance with the conditions, limitations, and requirements of the Permit upon commencement of each relevant activity. The Administrator may, upon the request of the Permittee and after public notice (if required), revise or modify a Schedule of Compliance in an issued Permit if he or she determines good and valid cause (such as an act of God, a labor strike, materials shortage or other event over which Permittee has little or no control) exists for such revision.
2. The Permittee shall at all times maintain in good working order and operate as efficiently as possible, all devices, facilities, and systems installed or used by the Permittee to achieve compliance with the terms and conditions of this Permit.
3. Whenever the Permittee becomes aware that he or she failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application or in any report to the Administrator, the Permittee shall promptly submit such facts or correct information. Any inaccuracies found in this information may be grounds for revocation or modification of this Permit and appropriate enforcement action.

B. Reporting Requirements

1. The Permittee shall submit quarterly reports, in a Division-approved electronic format, which are due to the Division on or before the 28th day of the month following the quarter and must contain the following:
 - a. Analytical results for fluid samples described in Parts I.D.1, I.D.5, I.D.7, I.D.9, I.D.10, I.D.11, I.D.12, I.D.13, I.D.14, and I.D.15, records of static water level for monitoring wells identified in Parts I.D.9 and I.D.13, and records of stage level for the component described in Part I.D.7, reported on Nevada Department of Environmental Protection (NDEP) Form 0190 or equivalent;

- b. Records of flow rates for the locations identified in Parts I.D.10, I.D.11, I.D.13, and I.D.14;
- c. Analytical results of waste rock and ore MWMP and ANP/AGP testing as identified in Part I.D.8 and I.D.16, reported on NDEP Form 0190 or equivalent;
- d. Monitoring results from the leak detection sumps and piezometers identified in Parts I.D.2, I.D.3, and I.D.4, reported on NDEP Form 590 or equivalent;
- e. A report as to whether or not the shipment of material or the processing of off-site mined material occurred during the quarter and, if so, all data and analytical results for the locations identified in Part I.D.12 and I.D.16;
- f. A report as to whether or not the disposal of off-site solution occurred during the quarter and, if so, the volume, disposal location, and analytical results identified in Part I.D.17;
- g. A record of releases, and the remedial actions taken in accordance with the approved Emergency Response Plan on NDEP Form 0390 or equivalent;
- h. A brief summary of the MW-19 Pumpback System operation and related activities; and
- i. For any kinetic test initiated, continued, or terminated with Division approval during the quarter, a brief report of the test status and an evaluation of the results to date, which shall include all analytical data generated from the date testing was initiated through the reporting quarter.

Facilities, which have not initiated mining or construction, must submit a quarterly report identifying the status of mining or construction. Subsequent to any noncompliance or any facility expansion, which provides increased capacity, the Division may require an accelerated monitoring frequency.

2. The Permittee shall submit an annual report, in a Division-approved electronic format, by February 28th of each year, for the preceding calendar year, which contains the following:
 - a. Submit the following items to the Regulation Branch:
 - i. Analytical results of the tailings slurry solid fraction characterization as identified in Part I.D.6, reported on NDEP Form 0190 or equivalent;
 - ii. A synopsis of releases on NDEP Form 0390 or equivalent;
 - iii. A brief summary of site operations, including the number of tons of ore milled during the year, number of tons of mined material processed from off-site facilities, construction and expansion activities and major problems with the fluid management system;
 - iv. A table of total monthly precipitation amounts and other weather data, as applicable, recorded in accordance with Parts I.D.18 and I.H, reported for either a five-year history previous to the date of submittal or the history since initial Permit issuance, whichever is shorter;

- v. An updated version of the facility monitoring and sampling procedures and protocols;
 - vi. Graphs of leak detection flow rates, pH, total dissolved solids (TDS), sulfate, chloride, nitrate + nitrite (as N), WAD cyanide, fluoride, zinc, and arsenic concentration (as applicable), versus time for all fluid sampling points. These graphs shall display either a five-year history previous to the date of submittal or the history since initial Permit issuance, whichever is shorter. Additional constituents may be required by the Division if deemed necessary; and
 - vii. A report on operation, results, and conclusions to date for the MW-19 and MW-20 Pumpback System, which shall include a topographic map illustrating the extent of the nitrate plume and graphs or tables, as applicable, of static water levels and constituent trends.
- b. Submit the following items to the Closure Branch:
- i. An updated Tentative Plan for Permanent Closure (TPPC) and Final Plan for Permanent Closure (FPPC), as applicable, incorporating any new site information that may impact these plans. The Plans shall be prepared in accordance with the current version of the Division guidance documents “Tentative Plans for Permanent Closure Guidance” and “Preparation Requirements & Guidelines Permanent Closure Plans & Final Closure Reports,” as applicable.
3. Release Reporting Requirements: The following applies to facilities with an approved Emergency Response Plan. If a site does not have an approved Emergency Response Plan, then all releases must be reported as per NAC 445A.347 or NAC 445A.3473, as appropriate.
- a. A release of any quantity of hazardous substance, as defined at NAC 445A.3454, to surface water, or that threatens a vulnerable resource, as defined at NAC 445A.3459, must be reported to the Division as soon as practicable after knowledge of the release, and after the Permittee notifies any emergency response agencies, if required, and initiates any action required to prevent or abate any imminent danger to the environment or the health or safety of persons. An oral report shall be made by telephone to (888) 331-6337, and a written report shall be provided within 10 days in accordance with Part II.B.4.b.
 - b. A release of a hazardous substance in a quantity equal to or greater than that which is required to be reported to the National Response Center pursuant to 40 Code of Federal Regulations (CFR) Part 302 must be reported as required by NAC 445A.3473 and Part II.B.3.a.
 - c. A release of a non-petroleum hazardous substance not subject to Parts II.B.3.a. or II.B.3.b., released to soil or other surfaces of land, and the quantity is equal to or exceeds 500 gallons or 4,000 pounds, or that is discovered in or on groundwater in any quantity, shall be reported to the Division no later than 5:00 P.M. of the first working day after knowledge of the release. An oral report shall be made by

telephone to (888) 331-6337, and a written report shall be provided within 10 days in accordance with Part II.B.4.b. Smaller releases, with total quantity greater than 25 gallons or 200 pounds and less than 500 gallons or 4,000 pounds, released to soil or other surfaces of land, or discovered in at least 3 cubic yards of soil, shall be reported quarterly on NDEP Form 0390 or equivalent.

- d. Petroleum Products and Coolants: If a release is subject to Parts II.B.3.a. or II.B.3.b., report as specified in Part II.B.3.a. Otherwise, if a release of any quantity is discovered on or in groundwater, or if the total quantity is equal to or greater than 100 gallons released to soil or other surfaces of land, report as specified in Part II.B.3.c. Smaller releases, with total quantity greater than 25 gallons but less than 100 gallons, released to soil or other surfaces of land, or if discovered in at least 3 cubic yards of soil, shall be reported quarterly on NDEP Form 0390 or equivalent.
4. The Permittee shall report to the Administrator any noncompliance with the Permit, including any exceedance or deviations from Part I.G.
- a. Each such event shall be reported orally by telephone to (775) 687-9400, not later than 5:00 P.M. of the next regular work day from the time the Permittee has knowledge of the circumstances. This report shall include the following:
 - i. Name, address, and telephone number of the owner or operator;
 - ii. Name, address, and telephone number of the facility;
 - iii. Date, time, and type of incident, condition, or circumstance;
 - iv. If reportable hazardous substances were released, identify material and report total gallons and quantity of contaminant;
 - v. Human and animal mortality or injury;
 - vi. An assessment of actual or potential hazard to human health and the environment outside the facility; and
 - vii. If applicable, the estimated quantity of material that will be disposed and the disposal location.
 - b. A written summary shall be provided within 10 days of the time the Permittee makes the oral report. The written summary shall contain:
 - i. A description of the incident and its cause;
 - ii. The periods of the incident (including exact dates and times);
 - iii. If reportable hazardous substances were released, the steps taken and planned to complete, as soon as reasonably practicable, an assessment of the extent and magnitude of the contamination pursuant to NAC 445A.2269;
 - iv. Whether the cause and its consequences have been corrected, and if not, the anticipated time each is expected to continue; and
 - v. The steps taken or planned to reduce, eliminate, and prevent recurrence of the event.

- c. The Permittee shall take all available and reasonable actions, including more frequent and enhanced monitoring to:
 - i. Determine the effect and extent of each incident;
 - ii. Minimize any potential impact to the waters of the State arising from each incident;
 - iii. Minimize the effect of each incident upon domestic animals and all wildlife; and
 - iv. Minimize the endangerment of the public health and safety which arises from each incident.
- d. If required by the Division, the Permittee shall submit, as soon as reasonably practicable, a final written report summarizing any related actions, assessments, or evaluations not included in the report required in Part II.B.4.b., and including any other information necessary to determine and minimize the potential for degradation of waters of the State and the impact to human health and the environment. Submittal of the final report does not relieve the Permittee from any additional actions, assessments, or evaluations that may be required by the Division.

C. Administrative Requirements

1. A valid Permit must be maintained until permanent closure and post-closure monitoring are complete. Therefore, unless permanent closure and post-closure monitoring have been completed and termination of the Permit has been approved in writing by the Division, the Permittee shall apply for Permit renewal not later than 120 days before the Permit expires.
2. Except as required by NAC 445A.419 for a Permit transfer, the Permittee shall submit current Permit contact information described in paragraphs (a) through (c) of subsection 2 of NAC 445A.394 within 30 days after any change in previously submitted information.
3. All reports and other information requested by the Administrator shall be signed and certified as required by NAC 445A.231.
4. All reports required by this Permit, including, but not limited to, monitoring reports, corrective action reports, and as-built reports, as applicable, and all applications for Permit modifications, shall be submitted in a Division-approved electronic format.
5. The Permittee shall submit any new or updated Universal Transverse Mercator (UTM) location data for all monitoring points specified in Part I.D, expressed in meters and decimals of a meter, using the Nevada Coordinate System of 1983 (also known as the North American Datum of 1983 or NAD83), with each Permit renewal, as-built report, and monitoring plan update, as applicable. Data shall be submitted electronically to the Division in Excel format.
6. When ordered consistent with Nevada Statutes, the Permittee shall furnish any relevant information in order to determine whether cause exists for modifying, revoking and

reissuing, or permanently revoking this Permit, or to determine compliance with this Permit.

7. The Permittee shall maintain a copy of, and all modifications to, the current Permit at the permitted facilities at all times.
8. The Permittee is required to retain during operation, closure and post-closure monitoring, all records of monitoring activities and analytical results, including all original strip chart or data logger recordings for continuous monitoring instrumentation, and all calibration and maintenance records. This period of retention must be extended during the course of any unresolved litigation.
9. The provisions of this Permit are severable. If any provision of this Permit, or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit, shall not thereby be affected.
10. The Permittee is authorized to manage fluids and solid wastes in accordance with the conditions of this Permit. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of Federal, State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any order issued or any action brought under the Water Pollution Control Statutes for releases or discharges from facilities or units not regulated by this Permit. NRS 445A.675 provides that any person who violates a Permit condition is subject to administrative or judicial action as provided in NRS 445A.690 through 445A.705.

D. Division Authority

The Permittee shall allow authorized representatives of the Division, at reasonable times, and upon the presentation of credentials to:

1. Enter the premises of the Permittee where a regulated activity is conducted or where records are kept per the conditions of this Permit;
2. Have access to and copy any record that must be kept per the conditions of this Permit;
3. Inspect and photograph any facilities, equipment (including monitoring and control equipment), practices, or operations regulated by this Permit; and
4. Sample or monitor for any substance or parameter at any location for the purposes of assuring Permit and regulatory compliance.

E. Sampling and Analysis Requirements

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. For each measurement or sample taken pursuant to the conditions of this Permit, the Permittee shall record the following information:
 - a. The exact place, date, and time of the inspection, observation, measurement, or sampling; and

- b. The person(s) who inspected, observed, measured, or sampled.
3. Samples must be taken, preserved, and labeled according to Division approved methods.
4. Standard environmental monitoring chain of custody procedures must be followed.
5. Samples shall be analyzed by a laboratory certified or approved by the State of Nevada, as applicable for the method(s) being performed. The Permittee must identify in all required reports the certified and approved laboratories used to perform the analyses, laboratory reference numbers, and sample dates, and for the electronic version of each report only, include all associated laboratory analytical reports, including test results, test methods, chain-of-custody forms, and quality assurance/quality control documentation.
1. 6. The accuracy of analytical results, unless otherwise specified, shall be expressed in mg/L and be reliable to at least two significant digits. The analytical methods used must have a practical quantitation limit (PQL) equal to or less than one-half the reference value for Profile I parameters. Laboratories shall report the lowest reasonable PQL based on in-house method detection limit studies. Samples shall be analyzed by methods listed in 40 CFR Part 136 Table 1B, as applicable, by a laboratory certified for that method by the State of Nevada – Bureau of Safe Drinking Water Laboratory Certification Program. Samples for Profile I metals shall be filtered, digested, and analyzed for the dissolved fraction, all other Profile I parameters and samples requiring uranium analysis shall be unfiltered, digested (as applicable) and analyzed for the total recoverable fraction; samples requiring Uranium and Profile R analysis shall be unfiltered, digested (as applicable) and analyzed. For additional guidance, please see the Profile Analytical Lists on the website of the Division: <https://ndep.nv.gov/land/mining>. Unless otherwise approved by the Division, analytical results that are less than the PQL shall be reported quantitatively by listing the PQL value preceded by the “<” symbol.

F. Permit Modification Requirements

1. Any material modification, as defined at NAC 445A.365, plan to construct a new process component, or proposed change to the Permit requirements must be reported to the Division by submittal of an application for a Permit modification, or if such changes are in conformance with the existing Permit, by submittal of a written notice of the changes. The Permit modification application must comply with NAC 445A.391 through 445A.399, 445A.414, 445A.4155, 445A.416, 445A.417, 445A.440, and 445A.442, as applicable. The construction or modification shall not commence, nor shall a change to the Permit be effective, until written Division approval is obtained.
2. Prior to the commencement of mining activities at any site within the State, which is owned or operated by the Permittee but not identified and characterized in a previously submitted application or report, the Permittee shall submit to the Division a report which identifies the locations of the proposed mine areas and waste disposal sites, and characterizes the potential of mined materials and areas to release pollutants. Prior to development of these areas the Division shall determine if any of these new sources

will be classified as process components and require engineered containment as well as Permit modification.

3. The Permittee shall notify the Division in writing at least 30 days before the introduction of process solution into a new process component or into an existing process component that has been materially modified, or of the intent to commence active operation of that process component. Before introducing process solution or commencing active operation, the Permittee shall obtain written authorization from the Division.
4. The Permittee must obtain a written determination from the Administrator of any planned process component construction or material modification, or any proposed change to Permit requirements, as to whether it is considered a Permit modification, and if so, what type.
5. The Permittee must give advance notice to the Administrator of any planned changes or activities which are not material modifications in the permitted facility that may result in noncompliance with Permit requirements.

Prepared by: TJ Mohammed

Date: 19 February 2025

Revision 00: Renewal 2025 and boiler plate update