STATE OF NEVADA

Department of Conservation and Natural Resources
Division of Environmental Protection
Bureau of Mining Regulation and Reclamation

Discharge Permit

Permittee: **Robinson Nevada Mining Company**
Robinson Gleason Creek Discharge Project
4232 West White Pine County Rd.
Ruth, NV 89319

Permit Number: **NEV2010111**
Review Type/Year/Revision: **Renewal 2023, 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 discharge groundwater from dewatering wells, located within sections 14, and 15, Township 16 North (T16N), Range 62 East (R62E), Mount Diablo Baseline and Meridian (MDB&M), at the **Robinson Gleason Creek Discharge Project**, in accordance with the limitations, requirements, and other conditions set forth in this Permit. The Permittee is authorized to discharge up to **21,600,000 gallons per day** (gpd) from a dewatering pipeline to receiving waters identified as Gleason Creek.

The discharge outfall, Outfall 001, is a riprap energy dissipater apron located on Gleason Creek at Universal Transverse Mercator coordinates 11 679685 East, 4347063 North, in White Pine County, within the SE¼ of the NE¼ of Section 18, T16N, R63E, MDB&M, approximately 2 miles west of Ely, Nevada.

The Permittee must comply with all terms and conditions of this Permit and all applicable statutes and regulations. This Permit does not authorize discharge to waters of the U.S.

This Permit is based on the assumption that the information submitted in the application of 06 June 2011, as modified by subsequent approved amendments, is accurate and that the Project 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 that may affect the ability of the Permittee to comply with applicable regulations or Permit conditions.

This Permit is effective as of **11 February 2022**, and shall remain in effect **until 15 March 2027**, unless modified, suspended, or revoked.

Signed this 25TH day of **January 2022**.

Robert Kuczynski, P.E.
Chief, Bureau of Mining Regulation and Reclamation

I. Specific Project Conditions and Limitations

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

1. Construct, operate, and close the Project in accordance with those plans;

2. Except for the discharge authorized by this Permit, and any other approved uses, contain within the fluid management system all dewatering water and all meteoric waters that enter the system as a result of the 25-year, 24-hour storm event; and

3. Not release or discharge any contaminants from the fluid management system that would result in degradation of waters of the State.

B. Schedule of Compliance: None Required

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

1. All Project boreholes and their associated chambered sumps, including, but not limited to, those listed below;

Dewatering Well ID	UTM Easting	UTM Northing	Dewatering Well ID	UTM Easting	UTM Northing
RW-2P	674587	4346606	**RW-35P**	674984	4346029
RW-3P	674503	4346777	**RW-36P**	675420	4345942
RW-8P	674919	4346453	**RW-37P**	675242	4345686
RW-33P	675657	4346227	**RW-39P**	674822	4346265

2. All Project outfalls;

Pipeline Outfall ID	UTM Easting	UTM Northing
Outfall 001	679685	4347063

3. Discharge water conveyance system, including the 24-inch diameter high-density polyethylene Gleason Creek Discharge Pipeline;

4. The riprap Energy Dissipater Apron at Outfall 001, and geotextile erosion control layer; and

5. All other components used to collect, convey, manage, and control the discharge water, including but not limited to, pumps, pipes, valves, vents, flow meters, fittings, tanks, drains, basins, sumps, ditches, berms, culverts, and run-off/run-on control components.

D. Monitoring Requirements:

Identification	**Parameter**	**Frequency**
1. Discharge to Surface Water and Surface Water Monitoring: Receiving Body at Discharge Inflow Point (Outfall 001);	Date, outfall ID, volume discharged (gal), maximum surface discharge flow rate (gpm), discharge duration (hours);	Continuous;
Discharge Inflow Point (Outfall 001) and Downstream of Discharge (US 50 Box Culvert);	Surface Water Profile(1) and uranium(4);	Quarterly on first day of surface discharge; Monthly;
Storm Event Monitoring on Date of Discharge to Surface Water or Stream Channel	DO, pH(7)(8); Storm duration (hours), precipitation (inches)	Per storm event(6)

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 require submittal of a new Permit application and public notice.

Abbreviations:

ID = identification number or name; gal = gallons; gpm = gallons per minute; gpd = gallons per day; $CaCO_3$ = calcium carbonate; N = nitrogen; P = phosphorus; SU = standard units; mg/L = milligrams per liter; PCS = Petroleum-Contaminated Soil; ºC = degrees Celsius; pCi/L = picocuries per liter; MGD = million gallons per day; cfs = cubic feet per second; UTM = Universal Transverse Mercator

Footnotes:

(1) Surface Water Profile – Gleason Creek (per NAC 445A.1236 and 445A.2032):

Alkalinity (as $CaCO_3$)	Chromium (III), Dissolved(2)	Mercury, Dissolved
Bicarbonate		Molybdenum, Total
Total	Chromium (VI), Dissolved(2)	Nickel, Dissolved
		pH (± 0.1 SU)(7)(8)
Ammonia, Total (as N)	Copper, Dissolved	Selenium, Total
Antimony, Total	Cyanide, Free	Silver, Dissolved
Arsenic, Dissolved	Dissolved Oxygen	Sulfide, Total (as un-dissociated hydrogen sulfide)

Barium, Total	Fluoride	Thallium, Total
Beryllium, Total	Hardness (as mg/L $CaCO_3$)(3)	Zinc, Dissolved
Boron, Total	Iron, Total	
Cadmium, Dissolved	Lead, Dissolved	
Calcium, Dissolved	Magnesium, Dissolved	
Chromium, Total	Manganese, Total	

(2) Analyze and calculate for chromium species only if total chromium exceeds 0.005 mg/L.

(3) Hardness = (2.497 * Ca) + (4.118 * Mg), where Ca is the calcium concentration in mg/L and Mg is the magnesium concentration in mg/L.

(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 Surface Water Profile(1), Uranium(4), and Profile R(5) is required in the subsequent quarter.

(5) Profile R:

Parameter	Reference Value/Unit
Gross Alpha	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) As used herein, the discharge inflow point is the point where water discharged from a particular outfall comingles with a surface water body or enters an otherwise dry stream channel, whichever occurs first. Estimate the total volume of discharge water that flows into the receiving body and the duration of the discharge to the receiving body. Specify whether or not the discharge to surface water or stream channel occurred during a storm event, and if so, report the storm duration, total amount of precipitation, and if the storm event exceeded one half of the design storm event flow as outlined in Section I.G.6. If there is no discharge to a surface water or stream channel, there is no inflow point monitoring requirement.

(7) All sample analyses resulting in a pH value greater than or equal to 4.5 SU shall be analyzed for Alkalinity (Bicarbonate and Total).

(8) All sample analyses resulting in a pH value less than or equal to 5.0 SU shall be analyzed for acidity (mg/L, as $CaCO_3$ equivalent.

E. Quarterly and annual monitoring reports and release 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. Failure to meet a Schedule of Compliance date or requirement.
2. All analytical samples shall be analyzed as mentioned in the Footnotes or Section II.E, as applicable.
3. The maximum instantaneous surface discharge flow rate from Outfall 001 is 15,000 gpm and shall not exceed a daily maximum discharge rate of 21,600,000 gallons per day.
4. There shall be no discharge except from the outfall identified in Part I.C.
5. There shall be no discharge to surface water or a stream channel that exceeds an applicable water quality standard at Nevada Administrative Code (NAC) 445A.121, 445A.1236, or 445A.2032. There shall be no discharge that infiltrates beneath the land surface and exceeds both a drinking water standard and the natural background groundwater concentration for the same parameter, unless the Division has approved a demonstration that the discharge does not have the potential to degrade groundwater.
6. The Permittee shall monitor, as may be necessary, weather forecasts, weather conditions, and creek flow and appropriately manage or cease the authorized discharge to minimize the potential for excessive channel erosion or damage to downstream drainage control structures.
7. The discharge must cease if the flow in Gleason Creek, as measured at the downgradient US Highway 50 box culvert, will exceed 40,500 gpm (approximately 90 cubic feet per second (cfs)), which is one-half the design peak 10-year, 24-hour storm event flow of approximately 180 cfs (approximately 81,000 gpm) referenced for the City of Ely stormdrain system. The water depth corresponding to a flow of 90 cfs shall be clearly and permanently marked on the side of the US Highway 50 box culvert to provide a rapid, visual confirmation of flow levels in Gleason Creek.
8. The Permittee shall obtain and maintain current jurisdictional determinations from the U.S. Army Corps of Engineers for all receiving surface water bodies and stream channels that may be affected by the authorized discharge.
9. No chemicals shall be added to the discharge water, except as approved by the Division prior to use. A proposal to add a chemical to an approved discharge may require submittal of a new Permit application and fee. The application must specify the type of chemical, the proposed dosage rate, and include a safety data sheet (SDS) with aquatic life toxicity information and any other supporting documentation which demonstrates that the proposed chemical will not create any adverse environmental effects.
10. There shall be no objectionable odors from the discharge area.
11. There shall be no discharge of floating or suspended solids, or visible foam, in other than trace amounts. Drilling mud and other visible residue shall not be

left in a stream channel where it may be carried into waters of the State during a flow event. Other discharged contaminants shall not be left in a stream channel if it would create the potential for exceedance of a water quality standard.

12. Best management practices (BMPs) shall be employed for energy dissipation and for management of water flow and water quality, at the outfall. Additional BMPs shall be installed in the discharge flow path, as warranted, to minimize erosion and sedimentation.
13. If discharge water exceeds surface water profile standards, sampling and testing of all dewatering wells shall be performed to determine the source of the exceedance.
14. The facility shall not degrade waters of the State to the extent that applicable water quality standards or reference values, and background concentrations, are exceeded.
15. The following modified Profile I list is pursuant to surface water quality standards that apply to the Central Region and its tributaries, including Gleason Creek in accordance with NAC 445A.1236 and 445A.2032:

Parameter	**Standard or Standard Calculation Equation**[(c)] (µg/L, except as noted)
Alkalinity	≥ 20 mg/L
Ammonia, Total (as N)	mg/L per NAC 445A.118[(c)]
Antimony, Total	6
Arsenic, Dissolved[(a)]	10
Barium, Total	2.0 mg/L
Beryllium, Total	100
Boron, Total	750
Cadmium, Dissolved[(a)(b)]	$(1.101672-\{\ln(\text{hardness})(0.041838)\})*e^{(0.7409\{\ln(\text{hardness})\}-4.719)}$
Calcium, Dissolved	Measure and report (as mg/L calcium) for hardness determination
Chromium, Total	100
Chromium (III), Dissolved[(a)(b)]	$(0.860)*e^{(0.8190\{\ln(\text{hardness})\}+0.6848)}$
Chromium (VI), Dissolved[(a)]	11
Copper, Dissolved[(a)(b)]	$(0.960)*e^{(0.8545\{\ln(\text{hardness})\}-1.702)}$
Cyanide, Free[(a)]	5.2
Dissolved Oxygen	≥ 3.0 mg/L
Fluoride	1.0 mg/L
Hardness[(b)]	Calculate and report (as mg/L $CaCO_3$)

Parameter	**Standard or Standard Calculation Equation**[c] (µg/L, except as noted)
Iron, Total[a]	1.0 mg/L
Lead, Dissolved[a][b]	$(1.46203-\{\ln(\text{hardness})(0.145712)\})*e^{(1.273\{\ln(\text{hardness})\}-4.705)}$
Manganese, Total	200
Magnesium, Dissolved	Measure and report (as mg/L magnesium) for hardness determination
Mercury, Dissolved[a]	0.77
Molybdenum, Total[a]	1.65 mg/L
Nickel, Dissolved[a][b]	$(0.997)*e^{(0.8460\{\ln(\text{hardness})\}+0.0584)}$
pH	6.0 – 9.0 SU
Selenium, Total [a]	5
Silver, Dissolved[a][b]	$(0.85)*e^{(1.72\{\ln(\text{hardness})\}-6.59)}$
Sulfide, Total (as un-dissociated hydrogen sulfide)[a]	2
Thallium, Total	13
Zinc, Dissolved[a][b]	$(0.986)*e^{(0.8473\{\ln(\text{hardness})\}+0.884)}$

(a) The standard may be exceeded once every three years per NAC 445A.1236.

(b) For calculated aquatic life standards, hardness (as mg/L $CaCO_3$) is determined via the equation in Part I.D., Footnote (3). See Part I.D. Abbreviations for reference. Include all calculated standards with each monitoring report, as applicable.

(c) For a complete list of applicable surface water standards, refer to NAC 445A.118, 445A.121, 445A.122, 445A.1236, and 445A.2032.

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

H. 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 (if applicable);
3. Unauthorized discharges; and
4. Severe erosion or other signs of deterioration in dikes, diversions, stream beds, or other fluid management components.

I. Prior to permanently ceasing a permitted discharge, or prior to initiating permanent closure activities at the Project, or at any component within the Project, the Permittee shall submit and obtain approval from the Division, in writing, of a final plan for permanent closure, which shall include, but may not be limited to, plans to stabilize, as defined at NAC 445A.379, all applicable components of the fluid management system and applicable lands disturbed by the Project.

J. 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 Project has received final closure certification from the Division.

K. The Permittee shall not dispose of or treat Petroleum-Contaminated Soil (PCS) on the Project site without first obtaining from the Division approval of a PCS Management Plan.

L. When performing dust suppression activities, the Permittee shall use BMPs 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.

M. Continuing Investigations: None Required

II. General Project 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 is due to the Division on or before the 28th day of the month following the quarter and must contain the following:

   a. Analytical results of discharges to surface water or stream channel identified in Part I.D.2, reported on a form similar to NDEP Form 0190 that has been modified to include the parameters specified in Part I.D. Footnote (1);

   b. Outfall flow monitoring and all other non-analytical monitoring results identified in Parts I.D.1., reported in tabular format, as appropriate;

   c. A record of releases, and the remedial actions taken, on NDEP Form 0490 or equivalent.

   Facilities which have not initiated permitted activities must submit a quarterly report identifying the status of the Project. Subsequent to any noncompliance or any Project expansion which may lead to an increased discharge rate or frequency, the Division may require an accelerated monitoring frequency. If the Permittee monitors any parameter at a location designated herein more frequently than required by this Permit, using methods that comply with the requirements in Part II.E., the results of such monitoring shall be included in the quarterly monitoring report.

2. The Permittee shall submit an annual report, in both hard copy and a Division-approved electronic format, by February 28th of each year, for the preceding calendar year, which contains the following:

   a. A synopsis of releases on NDEP Form 0390 or equivalent;

   b. A brief summary of site operations, including construction and expansion activities, and major problems with the fluid management system;

   c. A table of total monthly precipitation amounts recorded in accordance with Part 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;

   d. An updated version of the Project monitoring and sampling procedures and protocols;

   e. A graph of total Project daily surface discharge flows versus time. The graph shall display either a five-year history previous to the date of submittal or the history since initial Permit issuance, whichever is shorter; and

   f. Graphs showing pH values, and antimony, arsenic, dissolved oxygen, and iron concentrations (as applicable) at Outfall 001. 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. Display only one parameter per map from Outfall 001. Additional parameters may be required by the Division if deemed necessary.

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. Discharges are not releases unless they violate applicable regulations or Permit requirements.

    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 for in-State callers or (775) 687-9485 for out-of-State callers, 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 total 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. The release shall be reported through the online reporting system available at http://ndep/nv/gov or by oral report made by telephone to (888) 331-6337. 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.

    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 Project;

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 Project; 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 is complete. Therefore, unless permanent closure has 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 180 days before the Permit expires, pursuant to NAC 445A.241.
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 Permit applications, shall be submitted in both hard copy and 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, ref NRS 327.005), 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 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 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.

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, uranium, Profile R, and Surface Water Profile 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; samples for Surface Water Profile parameters shall be analyzed in accordance with NAC 445A.1236 and other applicable surface water regulations; 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. In accordance with NAC 445A.258, 445A.261, and 445A.263, any planned Project expansion, production increase, or modification that would result in a new or increased discharge, must be reported to the Division by submittal of an application for a new Permit. A change that is in conformance with the existing Permit, or that qualifies as a minor modification pursuant to NAC 445A.263, subsection 4, must be reported to the Division by submittal of a written notice of the changes. An application for a new Permit must comply with NAC 445A.228 through 445A.263, as applicable. The expansion, production increase, or modification shall not commence, nor shall a change to the Permit be effective, until a new Permit or written Division approval is obtained.

2. Prior to the commencement of discharge at any location within the State outside of the Project area which is owned or operated by the Permittee but not identified and characterized in a previously submitted Permit application, the Permittee shall submit to the Division an application for a new Permit which identifies the locations of the proposed outfalls, and characterizes the potential for the discharge to release pollutants and degrade waters of the State. The discharge shall not commence until the new Permit is issued and effective.

3. The Permittee shall notify the Division in writing at least five days before commencing the discharge authorized by this Permit of the intent to begin active operation of the Project.

4. The Permittee must obtain a written determination from the Administrator of any planned modification of the Project as to whether it is considered a minor modification of the Permit or a change that requires a new Permit.

5. If a toxic effluent standard or prohibition is established under NAC 445A for a toxic pollutant that is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this Permit, this Permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the Permittee so notified.
6. 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.
7. The Permittee shall submit a non-fee notice for the addition of any new well to, or the realignment of, the Gleason Creek Pipeline. The addition of any new well to the dewatering system and/or the Gleason Creek Pipeline discharge will require Division written approval of the non-fee notice.

Prepared by: Matthew Schulenberg
Date: **25 January 2023**

Revision 00: **Permit effective 11 February 2023**.