Permit Number: **{d.permit\_number}** Mine Number**: {d.mine\_no}**

|  |  |
| --- | --- |
| Permittee: | **{d.permittee}**  **{d.permittee\_mailing\_address:convCRLF()}** |

Name of Property: **{d. property}**

Reclamation security amount: **${d.security\_adjustment}**

Map Reference: **Lat: {d.latitude} Long:** **{d.longitude}**

**Date of Issuance: {d.issue\_date} Approval End Date: {d.auth\_end\_date} *{d.is\_amendment:ifEQ(true):showBegin}***

**Date of Amendment: {d.issue\_date}*{d.is\_amendment:showEnd}***

**{d.images.issuing\_inspector\_signature}**

{d.issuing\_inspector\_name}

Inspector of Mines – Permitting

# PREAMBLE

A Notice of Work application for the **{d.mine\_name}** **{d.application\_type}** project was filed with the Chief Permitting Officer, dated **{d.application\_date}**. The application included a plan of the proposed work system (“Mine Plan”) and a program for the protection and reclamation of the surface of the land and watercourses (“Reclamation Program”), affected by the Notice of Work.

The ***Mines Act***, the **Health, Safety and Reclamation Code for Mines in British Columbia (“Code” or “HSRC”),** and this ***Mines Act* Permit** contain the requirements of the Chief Permitting Officer for the execution of the Mine Plan and Reclamation Program, including the deposit of reclamation securities. Nothing in this permit limits the authority of other government agencies to set additional requirements or to act independently under their respective authorizations and legislation.

***{d.permit\_amendment\_type\_code:ifEQ(ALG):showBegin}***This permit replaces the authorization for permit **{d.permit\_number},** amended on **{d.issue\_date},** with approval end date {**d.auth\_end\_date}**. ***{d.permit\_amendment\_type\_code :showEnd}***

# THE MINE PLAN AND RECLAMATION PROGRAM

The Chief Permitting Officer considered the following Mine Plan and Reclamation Program(s) for the stated period(s):

1. **Notice of Work Mine Plan and Reclamation Program:**
   1. **Notice of Work** {d.now\_number} tracking number {d.now\_tracking\_number} dated {d.submitted\_date}
   2. **{d.document\_list[i].document\_name}, {d.document\_list[i].document\_upload\_date}**
   3. **{d.document\_list[i+1].document\_name}, {d.document\_list[i+1].document\_upload\_date}**

***{d.permit\_amendment\_type\_code:ifEQ(ALG):showBegin}***

1. **Previous Authorization Mine Plan and Reclamation Program**

**2.1 Permit {d.permit\_number}** amended on **{d.issue\_date},** with approval end date {**d.auth\_end\_date}.**

**2.2 Supplemental Document– Change as Required;** add additional as needed

***{d.permit\_amendment\_type\_code :showEnd}***

**PERMIT CONDITIONS**

The Chief Permitting Officer hereby issues this permit subject to the following conditions permittee must comply with:

1. **General** 
   1. **Approval**

This permit authorizes only the following mining activities as outlined in the Mine Plan and Reclamation Program. Mining activities conducted that are not listed below are considered to be undertaken without a permit as required by Mines Act 10(1): ***Write out activities and total disturbance as indicated in the Notice of Work application (that you approve of – you must specify activities that were applied for that you do not approve of if there are any) for example;***

1. Approved Activities:
2. Work Related Structures: office, storage buildings, first aid etc. (xx.x ha)
3. Mining Areas: # of areas, dimensions (xx.x ha)
4. Stockpile Area(s): (xx.x ha)
5. Processing Area/Infrastructure: description (xx.x ha)
6. Settling Pond(s): # of sites, dimensions (x.xx ha)
7. Test pits: # of sites, dimensions (xx.x ha)
8. Access Construction/Modification: description, dimensions, etc (xx.x ha)
9. Other: list description of any other authorized activities (xx.x ha)
10. For a total disturbance area of (x.xx ha)
11. Activities not approved:
12. Fording of watercourses is not authorized.
13. Washing of aggregates is not authorized.
14. Activities must be conducted within the permit area illustrated by Figure # [Permit Area Map], and located as shown in Figure X, Figure Y and Figure Z. \*\*Attach Mapping\*\*
15. This permit approval is valid until <<approval end date>>.
16. Authorized activities are restricted to the period from [seasonal date interval] [unless xyz occurs]
17. Authorized activities are restricted to the following schedule [daily operating hours, or operating hours listed by day of week].
18. A Maximum [Annual] Produced Tonnage of <<annual\_tonnes>>;
    1. **Documentation**
       1. This Permit and the associated approved Mine Plan and Reclamation Program must be kept at the mine and must be available to an Inspector upon request.
       2. A completed Annual Summary of Work and Reclamation form must be submitted to [Regional Mines Office e-mail Inbox] prior to March 31 annually and must be accompanied by:
          1. a detailed as-built map of the mine site.
          2. shapefiles of the as-built disturbances which include attribution data for the status of reclamation.
       3. Seven days prior to commencement of crushing, screening, or washing operations, written notification must be provided. The notification must include the start date and the anticipated end date of the operation and be submitted to [Regional Mines Office e-mail Inbox].
    2. **Reports to be signed by a Qualified Professional:**

Unless otherwise approved in writing by the Chief Permitting Officer, all reports required to be submitted under this permit must be signed by a Qualified Professional.

1. **Health and Safety** 
   1. **Mine Emergency Response Plan**The MERP must be maintained on the mine site and made available to an inspector upon request.
   2. **Fuels and Lubricant Handling, Transportation and Storage**
      1. Handling, transportation and storage of fuels and lubricants must conform to the requirements of the document: BC Fuel Guidelines, 9th Edition, March 2020 (NorthWest Response Ltd), or most recent version thereof.
2. **Geotechnical** 
   1. **Reporting** 
      1. The Chief Inspector must be advised in writing upon discovery of any unforeseen conditions that could adversely affect the extraction of materials, site stability, erosion control or the reclamation of the site.
      2. An Advice of Geotechnical Incident form must be submitted to the Chief Inspector for any geotechnical incident that:
         1. is classified as a dangerous occurrence,
         2. requires changes to an existing standard operating procedure or the creation of a site-specific safe work plan,
         3. is considered a multi-bench pit slope failure,
         4. is considered a spoil failure resulting in full loss of the crest berm, or
         5. is considered a sign of dam instability (regardless of size).

* 1. **Site Stability**
     1. Stockpiles of waste, overburden or soil must not be placed in areas identified as Terrain Class IV or V.

* 1. **Design**
     1. Berms must be constructed at the toe of all waste dumps where rock rollout could present a safety hazard.
     2. All access roads, drill sites, equipment laydowns, trenches, and locations where cuts and/or fills exceed 6.0 meters on terrain Class IV or V must be constructed maintained and operated per the written recommendations of a qualified professional. The signed and sealed design reports must be maintained on site and made available an inspector upon request.
     3. The Chief Inspector requires that Sections 10.1.4 through 10.1.17 of the Code apply to this Mine.
  2. **Monitoring**
     1. [At least 90 days] prior to starting any work under this Permit, a geotechnical monitoring plan must be developed, implemented in doing any work under this permit, maintained on site and made available an inspector upon request. The geotechnical monitoring plan must be established to detect early evidence of any potentially dangerous slope instability during operation.
        1. The monitoring plan must include the instrument type, spacing, monitoring frequency, and appropriate initial threshold and response criteria for any required instrumentation. The plan must be updated as needed to reflect the status of stockpile and waste dump development.

1. **Protection of Land and Watercourses** 
   1. **Cultural Heritage Resources** 
      1. The Archaeological Chance Find Procedure (‘CFP’) (Document 1.4 – update as required) must be implemented prior to commencement of work. All employees and contractors at the mine site must be trained on the CFP. The plan must be maintained onsite and available to an Inspector upon request
      2. In addition to (Document 1.4 – update as required), [First Nation’s Name]’s CFP must be implemented prior to commencement of work. All employees and contractors at the mine site must be trained on the [First Nation’s Name]’s CFP.
      3. Prior to any ground disturbance, evaluation for archaeological potential in the area of work must be conducted by a qualified professional. Any recommendations resulting from this evaluation, provided by a qualified professional, must be implemented.
      4. Prior to any ground disturbance, an Archaeological Overview Assessment (AOA) covering the planned work area(s) must be conducted. Preliminary Field Reconnaissance (PFR) must be conducted by a qualified person in areas of moderate to high archaeological potential that overlap planned disturbances. Any recommendations resulting from this evaluation, provided by a qualified professional, must be implemented.

or

Prior to any ground disturbance, an Archaeological Overview Assessment (AOA) covering the planned work area(s) must be conducted. An Archaeological Impact Assessment (AIA) must be completed in areas of high archaeological potential that overlap planned disturbances. Any recommendations resulting from this evaluation, provided by a qualified professional, must be implemented.

* 1. **Environmental Protection**
     1. Garbage and other attractants must be removed from work sites daily and must either be incinerated or stored in an airtight container until removed from the mine site.
     2. Water intakes must comply with the Freshwater Intake End-of-Pipe Fish Screen Guideline, 1995 (Department of Fisheries and Oceans), or most recent version thereof.
     3. Erosion and sediment must be effectively controlled on the mine site. Sediment laden water must be suitably contained on the mine site and not be allowed access to any watercourse.
     4. Water which flows from disturbed areas must be collected and diverted into settling ponds, unless water is effectively exfiltrating through gravels.
     5. No excavation is to be made within 1.5 meters of the groundwater table.
     6. Settling ponds must be maintained regularly, with maintenance to include [xxx activities].
     7. A schedule and procedure for sediment removal from settling ponds must be implemented to ensure adequate settling of suspended solids. The information must be maintained on site and be available to an Inspector upon request.
     8. Sediment removed from settling ponds must be contained and stockpiled for reclamation.
     9. Dust originating from the mine site must be controlled at the source.
     10. [Plan Name, Date (Author of Plan)] must be implemented on site.
     11. Daily monitoring of the functionality of settling ponds must be performed by the mine manager, and observations must be recorded in a written log. The written log must be made available to an Inspector upon request.
     12. Authorized activities are restricted to the period from [July 16th – October 31st], unless a [mountain goat/caribou/mountain sheep/moose/grizzly bear/wildlife management plan] an is developed and submitted to [Regional Mines Office e-mail Inbox] for the approval of the Chief Permitting Officer. The [Plan Name] must be implemented upon commencement of work.
     13. Any significant releases of sediment-laden water, defined as an unauthorized discharge to the receiving environment, must be appropriately characterized with respect to extent and loading, and reported to the Chief Inspector at [Regional Mines Office e-mail Inbox] within [28days] of discovery.
         1. Characterization of unauthorized discharges of sediment-laden run-off must include, at a minimum, flow, total suspended solids, turbidity, pH, conductivity, temperature, dissolved oxygen, and total and dissolved metals, of both the effluent and the receiving water.
  2. **Invasive Species**

1. Invasive plants on the site must be identified, monitored, controlled and documented. Monitoring and treatment records must be made available to an Inspector upon request.
2. Reasonable efforts must be taken to ensure that weeds do not migrate from the site to adjacent areas.
3. The control of invasive plants must consider using non-toxic means for weed control.
4. The Permittee must ensure that all seed used on-site is certified weed free.
5. [At least 90 days] prior to the commencement of work under this Permit, an Invasive Species Management Plan must be developed to the satisfaction of the Chief Permitting Officer and the plan must be implemented in doing any work under this Permit.
6. [Name of Plan, Date (Author of Plan)] must be implemented on site.
   1. **Receiving Foreign Materials**

The receipt, storage, treatment/processing and or use of imported materials including but not limited to garbage, refuse, concrete, asphalt, asphalt shingles, biosolids and soils originating from off site is not permitted unless authorized in writing by an Inspector.

* 1. **Condition of the Land**

1. All equipment brought on to the site must be removed from the project area when the site is not active.
2. Derelict or damaged equipment, supplies, or materials must not be stored or otherwise left or abandoned anywhere on the mine site.
3. When the site is not active, disturbed areas are to be left in a condition that is neat, clean and safe.
4. **Reclamation and Closure Program** 
   1. **Reclamation Security**

**X dollars ($<<bond\_amt>>)** in security must be maintained with the Minister of Finance.

1. The security must be deposited in accordance with the following installment schedule:
2. Prior to the mobilization of heavy equipment to the site for the purposes of construction of <description of activity>: {$Dollar amount} for a subtotal of {$Dollar Amount}; and
3. Within {Enter time} months following the start of construction of <description of activity>: {$Dollar Amount} for a total of {$Dollar Amount}.
   1. **Obligation to Reclaim**
      1. Reclamation of the surface of the land affected by the operations must be conducted in accordance with the approved work program. The surface of the land and watercourses must be reclaimed to the following end land use: <<land\_use>>;
   2. **Reclamation**
      1. All available topsoil, overburden, and organic material including large woody debris in the disturbance footprint must be salvaged and stockpiled for use in reclamation.
      2. All stockpiled topsoil, overburden, and organic material including large woody debris must be protected from erosion, degradation, and contamination.
      3. All stockpiles must be clearly marked to ensure that they are protected during construction and mine operations.
      4. Stripped and stockpiled soil suitable for use in reclamation must not be used as fill.
      5. Topsoil must not be removed from the mine site unless authorized in writing by an Inspector.
      6. Progressive reclamation must be conducted whenever practicable. Reclamation activities must include:
         1. Compacted surfaces must be de-compacted to allow water infiltration and achieve self-staining vegetation.
         2. Salvaged soil material must:
            1. be replaced on disturbed areas to pre-disturbance depth;
            2. be treated with a rough and loose site preparation where practicable;
            3. be keyed into the underlying materials such that they do not slump off or become unstable;
            4. incorporate roots, stumps and other woody debris to reduce erosion and create greater biological diversity; and
            5. be re-vegetated promptly to a self-sustaining state using appropriate and/or native plant species that support approved end land use.
   3. **Roads and Trails**
      1. Individual roads and trails will be exempted from the requirement for total reclamation if either:
         1. It can be demonstrated that an agency of the Crown has accepted responsibility in writing for the operation, maintenance and reclamation of the road or trail; or
         2. The Chief Permitting Officer provides notification that the road should not be reclaimed due to the use or potential use by other users who will assume liability.

**MAPS AND FIGURES**

**Attach as needed – MUST include map of work area/permit area. MUST include the Mine Plan.**

Management Plan template conditions:

Requiring submission and approval prior to implementation

[At least 90 days] prior to starting any work under this Permit, a(n) [Plan Name] must be developed and submitted to [Regional Mines Office email] for the approval of the Chief Permitting Officer. The [Plan Name] must be implemented upon commencement of work.

***OR***

Requiring development and implementation – this condition carries more legal risk!

[At least 90 days] prior to the commencement of work under this Permit, a(n) [Plan Name] must be developed to the satisfaction of the Chief Permitting Officer. The [Plan Name] must be implemented upon commencement of work.