



December 12, 2019

File: 1642068

Meaghan Candy
Senior Environmental Coordinator
British Columbia Hydro & Power Authority
9th Floor - 1111 West Georgia Street
Vancouver BC V6B 4G2

Dear Meaghan Candy:

Re: Mines Act Permit: G-9-374
Notice of Work: 1642068-201902
Permittee: BC Hydro and Power Authority
Approval Number: 19-1642068-1209
Property: Lynx Creek East Materials Source

Mines Act permit G-9-374 is hereby amended changing permit conditions 6f, 6h, 6i and 6j and adding permit condition 11. The Notice of Work and Reclamation Program continues to form part of the permit and you are reminded that you may not depart from the permitted program without written authorization.

Ensure that you and all persons who are carrying out activities in accordance with this permit comply with all terms and conditions of the permit and are familiar with the permitted work program.

This permit applies only to the requirements under the *Mines Act* and Health, Safety and Reclamation Code for Mines in British Columbia (Code). Other legislation may be applicable to the operation and you (the Permittee) may be required to obtain approvals or permits under that legislation.

Health and Safety inspections fall under the jurisdiction of this Ministry. A Mine Inspection Fee is collected for this service. The fee structure is based on tonnes of materials extracted for the period January 1st through December 31st. You will receive a Return Reminder for the Mine Inspection Fee in December of each year, with payment due by January 31st of the following year. For further information regarding the Mine Inspection Fee please contact your regional office or Cindy Head at Mineral, Oil and Gas Revenue Branch in Victoria at 778-698-5003.

When activity on the site is finished and reclamation completed, please forward to this office a request for cancellation of permit and return of security.

Sincerely,



Victor Koyanagi, P. Geo.
Inspector of Mines

Encl. Permit

cc: Eva Armstrong, Reclamation Section, Victoria
Christine Czigan, First Nations Relations Advisor, MFLNRO Fort St John

**PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES**

**SAND AND GRAVEL PERMIT
APPROVING MINE PLAN AND RECLAMATION PROGRAM**

(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, C.293)

Permit Number: **G-9-374** Mine Number: **1642068**
Approval Number: **19-1642068-1209**

Permittee: **British Columbia Hydro & Power Authority**
9th Floor - 1111 West Georgia Street
Vancouver BC V6B 4G2

Business Phone: **(604) 699 5178**

For work located at the following property:

Lynx Creek East Materials Source
Lat: 56.11000N Long: -121.79100W

This approval and permit is subject to the appended conditions and mine plan as described in **Notice of Work and Reclamation Program 1642068-201901** for the period:

December 12, 2019 to December 31, 2023

Date of Issuance: **November 21, 2019**

Date of Amendment: **December 12, 2019**



Victor Koyanagi, P.Geol.
Senior Inspector of Mines

PREAMBLE

A Notice of Work and Reclamation Program **1642068-201901** submitted August 28, 2019 was received by the Chief Inspector of Mines (Chief Inspector) on August 29, 2019 in accordance with Part 10.1.2 of the Health, Safety and Reclamation Code for Mines in British Columbia (Code).

The Notice of Work and Reclamation Program (Application) includes the following:

- a) Site C Construction Environmental Management Plan
- b) Contractor's Environmental Management Plan
- c) Site C Clean Energy Project Environmental Impact Statement, Volume 1: Introduction, Project Planning, and Description, Section 4: Project Description

Pursuant to s.10 of the *Mines Act*, the Application hereby forms part of the permit, and defines what mining and reclamation activities are approved under this authorization.

All activities on the mine site shall comply with:

- a. The *Mines Act*, and
- b. The Health, Safety and Reclamation Code for Mines in British Columbia (Code)

and shall adhere to the terms and conditions listed in:

- a. The Metal Leaching and Acid Rock Drainage Guidelines for Mines in British Columbia, and
- b. The Handbook for Mineral and Coal Exploration in British Columbia

CONDITIONS

The Chief Inspector of Mines hereby approves the Notice of Work and Reclamation Program (Application) subject to compliance with the following conditions:

1. Reclamation Security

Reclamation security for this authorization has been waived. Progressive reclamation shall be conducted throughout the life of mine. All conditions of this permit shall be complied with in a manner satisfactory to the Chief Inspector.

2. Land Use

The surface of the land shall be reclaimed to the following land use: *flooded reservoir*.

3. Documentation

While it remains valid and subsisting, a copy of the Mines Act Permit must be kept at the mine site and must be available to an Inspector and other authorized government officials upon request.

4. Mine Emergency Response Plan

The Mine Emergency Response Plan (MERP) for this mine site shall be developed prior to initiating mining activities. This plan shall include, but not be limited to, a safe operating procedure (SOP) for operating within areas that may be adversely affected by fluctuating and rising water levels occurring as a result of release of waters from upstream dams. The SOP shall include a detailed communication plan between the manager, workers, contractors and the Peace Canyon Dam including an early warning system and an evacuation plan. All workers on the mine site shall be made aware of and understand the MERP. The MERP shall be posted in conspicuous locations on the mine site and shall be made available to an inspector upon request.

5. Removal of Topsoil

Topsoil shall not be removed from the mine site without written permission from an Inspector.

6. Environmental Protection

- a. Erosion and sediment shall be effectively controlled on the mine site minimizing or eliminating negative impacts to the environment.
- b. Sediment laden or contaminated water shall be suitably contained on the mine site and not be allowed direct access to any watercourse or stream.
- c. Dust originating from the mine site shall be controlled at the source to the satisfaction of an Inspector.
- d. Noise originating from the mine site shall be controlled to the satisfaction of an Inspector.

- e. All machinery and mobile equipment on the mine site including but not limited to pickup trucks, dozers, loaders and excavators shall be maintained in good working order, shall be clean and shall be free from hydrocarbon leaks at all times.
 - f. While the mine is not operating, including overnight, all machinery and mobile equipment shall be moved to a minimum of 30 metres outside of the high-water mark of the Peace River.
 - g. A detailed spill response plan shall be developed and maintained at the mine site. Adequate spill kits shall be maintained and kept on the mine site whenever mining activities are occurring.
 - h. Fuel or other hydrocarbons shall not be stored below the high-water mark of the Peace River or within a 30 metre horizontal setback distance above the high-water mark of the Peace River.
 - i. Refueling of equipment shall not occur below the high-water mark of the Peace River or within a 30 metre horizontal setback distance above the high-water mark of the Peace River.
 - j. Crushing, screening or processing of aggregate materials shall not occur below the high-water mark of the Peace River or within a 30 metre horizontal setback distance above the high-water mark of the Peace River.
7. Receiving Foreign Materials
- Foreign materials including but not limited to garbage, refuse, concrete, asphalt, asphalt shingles, and foreign soils shall not be accepted or stored on the mine site unless authorized in writing by an Inspector.
8. Invasive Plants
- The introduction of invasive plants to the disturbance footprint, (including stockpiles) shall be prevented. Invasive plants that do establish on the site shall be identified, monitored and controlled and detailed reporting of outbreaks shall be conducted. This reporting shall be made available to an Inspector upon request.
9. Site Stability
- a. The regional Inspector shall be advised in writing at the earliest opportunity of any unforeseen conditions that could adversely affect the extraction of materials, site stability, erosion control or the reclamation of the site.
 - b. The stability of slopes shall be maintained at all times.
10. Mine Site
- The mine site (approved mine footprint) is defined as:
- a. all areas within the “gravel extraction area” as defined by the purple line, and
 - b. all areas within the “gravel required area” as defined by the orange cross hatch

on drawing R3-346-601 Gravel Extraction Plan – Overview Highway No. 29 Lynx Creek East Early Works.

11. Crushing Notification

The Manager shall, seven days prior to commencing aggregate processing on the mine site including crushing, screening, or washing, notify the regional Inspector of Mines in writing (via e-mail or letter). The notification shall include the start date and the anticipated end date of the operation.