

ENVIRONMENTAL PROTECTION NOTICE

Application for a(n) **amendment to PE10818 Job No. 429296** under the provisions of the *Environmental Management Act*

We/I, ***Skeena Resources Limited, Suite 2600, 1133 Melville Street, Vancouver, BC V6E 4E5*** intend to submit this application to the Director to authorize the ***discharge of effluent*** from a ***permitted mine area located at the Eskay Creek Mine***. The source(s) of ***discharge are the following***:

New Sources

- ***PSA Collection Pond approximately located at 56.6469 N, 130.4793 W***
- ***Warehouse Pad Collection Pond approximately located at 56.6492 N, 130.4594 W***

Existing Sources

- ***Site Reference E219595 – treated mine water discharged at D7 at end of pipe from Mine Water Pond #4 approximately located at 56.6540 N, 130.4289 W***
- ***Site Reference E245673 – Lake Water Discharge (TM1) from Tom Mackay Lake at end of pipe approximately located at 56.6379 N, 130.5018 W***
- ***Site Reference E221177 – Lake Water Discharge (W20) from Albino Lake at end of pipe approximately located at 56.6568 N, 130.5018 W***

The land upon which the facility will be situated ***and the discharge will occur*** is ***Mining Lease 450, Tenure Number 306286***, located at/on/near ***Eskay Creek Mine***, within the ***Ketchum Creek Watershed***. ***The Eskay Creek Mine is in northwestern British Columbia. The Mine is located approximately 135 km south of Iskut, BC and 83 km northwest of Stewart, BC within the territory of the Tahltan Nation and the asserted traditional territory of the Tsetsaut Skii km Lax Ha. The discharges occur within the same Lease and Tenure.***

The maximum ***rate of effluent discharged from each of the discharge points listed above are provided below***:

New Sources

- ***PSA Collection Pond outflow approximately = 4,449 m³/d***
- ***Warehouse Pad Collection outflow approximately = 1,983 m³/d***

Existing Sources

- ***Site Reference E219595 – treated mine water discharged at D7 at end of pipe from Mine Water Pond #4 outflow approximately = 6,000 m³/d***
- ***Site Reference E245673 – Lake Water Discharge (TM1) from Tom Mackay Lake at end of pipe outflow approximately = 132,644 m³/d***
- ***Site Reference E221177 – Lake Water Discharge (W20) from Albino Lake at end of pipe outflow***

approximately = 18,233 m³/d

The operating period for this facility will be **12 hours per day and 7 days per week**. The characteristics of the **effluent represented here as milligrams per litre** are as follows:

Chloride	3.947	Cobalt Total	0.001
Fluoride	0.404	Copper Total	0.005
Sulphate	752.483	Copper Dissolved	0.002
Ammonia	0.434	Iron Total	1.171
Nitrite	0.066	Iron Dissolved	0.034
Nitrate	2.897	Lead Total	0.014
Phosphorus	0.043	Lead Dissolved	0.001
Aluminum Total	0.880	Manganese Total	0.104
Aluminum Dissolved	0.123	Mercury Total	0.000
Antimony Total	0.075	Molybdenum Total	0.061
Antimony Dissolved	0.072	Nickel Total	0.010
Arsenic Total	0.014	Nickel Dissolved	0.008
Arsenic Dissolved	0.008	Selenium Total	0.017
Barium_ Total	0.062	Silver Total	0.000
Beryllium Total	0.000	Silver Dissolved	0.000
Boron Total	0.086	Thallium Total	0.000
Cadmium Dissolved	0.001	Uranium Total	0.001
Chromium Total	0.004	Zinc Total	0.221
Chromium Dissolved	0.001	Zinc Dissolved	0.142

The type(s) of treatment to be applied to the discharge is/are: **Low Density Sludge Lime Treatment and Sedimentation.**

Any person who may be adversely affected by the proposed **effluent** of waste and wishes to provide relevant information may, within 30 days after the last date of posting, publishing, service or display, send written comments to the applicant, with a copy to the Director, Environmental Protection at **ENV.MiningAuthorizations@gov.bc.ca**. The identity of any respondents and the contents of anything submitted in relation to this application will become part of the public record.

Dated this 25 day of September, 2024.


(Signature)

Contact person: Tamlyn Botel
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