



Mayo Mining District  
Box 10 (K-MA)  
Mayo, YT, Y0B 1M0

April 01, 2022

Q2022\_0042  
By Email

Fireweed Zinc

Dear Fireweed Zinc Ltd. contact: Pamela O'Hara, VP Sustainability:

Re: Class 1 Notification Q2022\_0042 - Allowed with additional terms and conditions.

This letter is to inform you that your Class 1 Notification Q2022\_0042 is valid as of April 06, 2022.

Your Class 1 Notification and proposed work program (June 01, 2022 - October 31, 2022) is allowed to proceed with the following terms and conditions:

- The operator shall contact the Mayo Regional Biologist (867-996-2162) to identify the location of mineral licks in the project area. If a mineral lick is identified within the project area, the operator shall not carry out any ground-disturbing activities within 1km of the(se) site(s).
- The operator shall cease work when any goats are observed on active claim blocks until the goats move off on their own accord.
- The operator shall not fly unmanned aerial vehicles (drones) within 500 m of an observed active raptor nest during the nesting period.
- The operator shall plan flight routes to avoid flying over any observed active raptor nests, or if it cannot be avoided, fly at a minimum of 600 m above ground level when safe to do so.

- The claim block overlaps with a known raptor nest. Prior to exploration activities in this area, the operator shall contact the [District] Regional Biologist [name] at [number] for further information on the location of the nest and appropriate setback distances.
- The operator should contact YG Environment (env-ea@gov.yk.ca) to obtain a map containing known nest sites.
- The location of active raptor nests identified by the operator shall be reported to Environment Yukon, Conservation Data Centre (867-667-3684 or yukoncdc@gov.yk.ca).
- The operator shall avoid land clearing within 1 km of any observed active raptor nests between May 1st and August 15th.
- The operator shall cease work when any sheep, caribou, or moose are observed on active claim blocks until the sheep, caribou, or moose move off on their own accord.
- The operator shall install an electric fence around the food preparation and storage area, grey water sump and incinerator.
- The operator shall store all attractants, including garbage, kitchen waste and strained solids from grey water in a container that prevents access by bears and other wildlife, until properly disposed of according to the Solid Waste Regulation or burned daily to ash by forced air and fuel fired incineration according to the Air Emissions Regulations.
- The operator shall backfill/plug each drill hole once a geological evaluation of the drill hole has been completed or prior to the end of the work program date identified in this Class 1, whichever occurs first.
- You are reminded of Schedule 1 Operating Condition #17 which states: "A spill contingency plan for petroleum products and other hazardous substances must be prepared and posted in the camp and at all fuel handling locations used in carrying out the operation."
- You are reminded of the Schedule 1 Operating Condition that "All reasonable care must be taken in carrying out exploration activities near or adjacent to a water body to prevent sediment from entering a water body, unless otherwise permitted by law."
- If active bird nests are discovered, project activities shall be postponed in the nesting area until nesting is complete.
- Upon discovery of a heritage resource the proponent shall notify the Heritage Department of First Nation Na-Cho Nyäk Dun (867-996-2265 ext.116) in addition to the Government of Yukon, Chief of Mining Lands and Heritage Department.
- The operator should share wildlife observation information with First Nation of Na-Cho Nyäk Dun (867-996-2265 ext. 157).
- The proponent shall communicate plans and timing of activities to the First Nation of Na-Cho Nyäk Dun (867-996-2265 ext. 157).
- The map provided identifies areas with elevated potential for heritage resources. The operator shall avoid ground disturbing activities within these areas unless prior approval has been granted by the Heritage Resources Unit. The operator may contact Holly Smith at the Heritage Resources Unit (867-332-4057 or holly.smith@gov.yk.ca) for more information on the areas of heritage potential to discuss potential mitigation options prior to conducting any ground disturbing activities.
- There are documented archaeological sites within the notification area, as identified

on the map provided. The operator shall not engage in any ground-disturbing activities within 30 m of these sites unless prior approval has been granted by the Chief of Mining Land Use.

- Please note that due to the size of the notification area the heritage assessment was limited to proposed work areas. The operator shall contact Holly Smith at the Heritage Resources Unit (867-332-4057 or holly.smith@gov.yk.ca) for information on heritage values should your work locations change as additional heritage assessment may be required, or to discuss potential mitigation options prior to conducting any ground disturbing activities.

Security may be required at any time by the Chief. The operator must furnish security within thirty (30) days of receiving the written notice from the Chief of the requirement to post security.

To help improve the environmental performance of your program, you are encouraged to refer to the attached operational guidelines. In addition, you are encouraged to contact affected First Nations to further discuss your program.

Class 1 work cannot occur on claims/leases that have lapsed or pending claims/leases until they are granted by a Mining Recorder. Please ensure the claims/leases within your Class 1 Notification are in good standing prior to beginning your work program. Any work occurring on pending or lapsed claims/leases will be in contravention of the *Quartz Mining Act* and *Territorial Lands (Yukon) Act* and representation work conducted will not be accepted by the Mining Recorder.

Please note: the notification will expire on April 05, 2023 and all reclamation must be completed at the end of the program or prior to the expiry of this notification, whichever comes first. All proposed activities must abide by Schedule 1 (Operating Conditions) of the *Quartz Mining Land Use Regulation*. In the event that claims/leases lapse, a Class 3 or 4 authorization is issued, or that agreements to operate on claims/leases are dissolved, the Class 1 notification becomes null and void for that portion of the program, where there is no right to the minerals.

If you have any questions about this letter, please contact the district office by phone at 867-996-2256, fax at 867-996-2617, or email at mayo.mining@yukon.ca.

Sincerely,  
Saleem Dar



Chief of Mining Land Use

cc  
Environmental Affairs Branch, Environment  
Tourism and Culture  
First Nation of Na-cho Nyäk Dun  
BC Kaska

Ross River Dena Council  
Liard First Nation