



THE STATE
of **ALASKA**
GOVERNOR MIKE DUNLEAVY

Department of Fish and Game

HABITAT SECTION
Fairbanks Regional Office

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Fairbanks, AK 99701-1551
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FISH HABITAT PERMIT

FH21-III-0111-AMENDMENT 1

ISSUED: May 24, 2022
EXPIRES: December 31, 2026

Fairbanks Gold Mining, Inc.
Attn: Bartly Kleven
P.O. Box 73726
Fairbanks, AK 99707-3726

RE: Water Withdrawal
Upper Last Chance Creek Bay, Water Storage Reservoir
Section 18, T002N, R003E, FM, Livengood A-1
Location coordinates (WGS84): 65.0018 N, 147.2259 W

Dear Bartly Kleven:

Pursuant to AS 16.05.841 (Fishway Act), the Alaska Department of Fish and Game (ADF&G) Habitat Section has reviewed your proposal to amend the location and pump rate for water withdrawal from Upper Last Chance Creek Bay on the Water Storage Reservoir (WSR) for dust suppression and construction needs. Amendment request was received on May 20, 2022.

Project Description

Fairbanks Gold Mining Inc. began mining on the Gil Exploration Project in 2021. To accommodate the movement of heavy equipment, FGMI extended the width of the Gil Access Road and Causeway. Water is needed for dust suppression and to support construction needs. Water will be withdrawn from the Upper Last Chance Creek Bay on the Water Storage reservoir using a 3,000 gallon per minute pump with a six inch suction line. Up to 240,000 gallons will be withdrawn per day. The intake will be screened with a minimum of 2,800 square inches of 0.25 inch screen, resulting in water velocity at the screen-water interface that does not exceed 0.5 feet per second.

Fishway Act

The Gil Causeway crosses the upper portion of the water supply reservoir. Arctic grayling and burbot use the reservoir for feeding and overwintering. Your project as proposed should not obstruct the free passage of fish.

In accordance with AS 16.05.841, your project is approved subject to the project description and permit terms, with the following stipulation:

1. Each water intake structure shall be designed to prevent the entrainment, impingement and/or entrapment of fish and shall be installed and maintained at each intake location. The effective screen openings may not exceed 0.25 inches (1/4 inch), and water velocity at the screen/water interface may not exceed 0.5 feet per second when the pump is operating.

For detailed information regarding screened intake device design please consult our webpage <http://www.adfg.alaska.gov/index.cfm?adfg=uselicense.withdrawal> and Technical Report No. 97-8 (http://www.adfg.alaska.gov/static/license/uselicense/pdfs/97_08.pdf).

Permit Terms

This letter constitutes a permit issued under the authority of AS 16.05.841 and must be retained on site during project activities. Please be advised that this determination applies only to activities regulated by the Habitat Section of ADF&G; other agencies also may have jurisdiction under their respective authorities. This determination does not relieve you of your responsibility to secure other permits; state, federal, or local. You are still required to comply with all other applicable laws.

You are responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved project. For any activity that significantly deviates from the approved plan, you shall notify the ADF&G Habitat Section and obtain written approval in the form of a permit amendment before beginning the activity. Any action that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any provision contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G Habitat Section. Therefore, it is recommended that you consult the Habitat Section before considering any deviation from the approved plan.

You shall give an authorized representative of the state free and unobstructed access to the permit site, at safe and reasonable times, for the purpose of inspecting or monitoring compliance with any provision of this permit. You shall furnish whatever assistance and information the authorized representative reasonably requires for monitoring and inspection purposes.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. You

shall mitigate any adverse effect upon fish or wildlife, their habitats, or any restriction or interference with public use that the commissioner determines was a direct result of your failure to comply with this permit or any applicable law.

You shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions, or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or your performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

Please direct questions about this permit to Habitat Biologist Chelsea Clawson at (907) 459-7287 or chelsea.clawson@alaska.gov.

Sincerely,
Doug Vincent-Lang
Commissioner



By: Audra L. J. Brase
Fairbanks Regional Supervisor

cc: Will Collingwood, FGMI, Fairbanks
Cassandra Fetter, FGMI, Fairbanks
Ashlee Adoko, OPMP, Anchorage
Al Ott, ADF&G Habitat, Fairbanks
Jenny March, ADNR, Fairbanks
Andrew Gryska, ADF&G SF Fairbanks
Permit Coordinator, ADF&G SF
Fairbanks Mining, ADNR Fairbanks
Tim Pilon, DEC, Fairbanks
Ellen Lyons, USACE, Fairbanks
Bob Henszey, USFWS, Fairbanks
AWT Northern Detachment

cmc/AB