

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF MINING, LAND AND WATER
DAM SAFETY AND CONSTRUCTION UNIT



Certificate of Approval to Modify a Dam

The **State of Alaska** under Alaska Statute Title 46 and the regulations adopted under this statute, grants to:

Hecla Greens Creek Mining Company

The approval to modify the following dams and respective appurtenant works on **Admiralty Island** in accordance with the terms and conditions contained in this certificate:

Pond 7 Dam (NID ID#AK00307)
Pond 10 Dam (NID ID#AK00316)

The location of this project is: T43S, R65E, S26, Copper River Meridian

The holder of this certificate shall:

- Modify the appurtenant works to the Pond 7/10 Dam system known as Pond C in accordance with construction documents listed in Attachment A.
- Except for claims or losses arising from negligence of the State, defend and indemnify the State against, and hold it harmless from any and all claims, demands, legal actions, loss, liability and expense for injury or death of persons, and damages to or loss of property, arising out of or connected with the exercise of the approval granted by this certificate.
- Comply with all applicable laws, regulations and conditions.
- Allow representatives of the Department to inspect the work and records covered by this certificate at all times determined necessary by the Commissioner.
- Follow special conditions that apply to the operation of these dams as found in Attachment A, attached hereto and made a part hereof.

**CERTIFICATE OF APPROVAL TO MODIFY A DAM
Pond 7/10 Dam System**

This *Certificate of Approval to Modify a Dam* is granted subject to the pertinent statutory provisions in AS 46.17 and the administrative regulations in Article 3 of 11 AAC 93.

This certificate is valid only for the time period indicated in Attachment A.

APPROVED BY: Charles F. Cobb, P. E.
TITLE: State Dam Safety Engineer
Division of Mining, Land and Water
SIGNATURE: *Charles F. Cobb*
DATE: *April 23, 2019*

State of Alaska)
) SS.
Third Judicial District)

This is to certify that on *April 23rd*, 2019, before me appeared Charles F. Cobb, known by me to be the Director or Authorized Representative of the Division of Mining, Land and Water, Alaska Department of Natural Resources, and acknowledged to me that this Certificate of Approval was voluntarily executed on behalf of the State of Alaska.

Christine Ballard
Notary Public in and for the State of Alaska

My Commission expires: *With Office*



**CERTIFICATE OF APPROVAL TO MODIFY A DAM
Pond 7/10 Dam System**

Attachment A – Special Conditions

1. This certificate approves the modification of Pond C, an appurtenant work of the Pond 7/10 Dam System at the Greens Creek Mine as described in Special Condition 1 of the *Certificate of Approval to Operate a Dam* number FY2018-18-AK00316. The modification is approved in accordance with the drawings, specifications and construction quality control/quality assurance requirements included in the drawing package titled *Hecla Greens Creek Mining Company, Juneau, Alaska Pond C Phase I Improvements* marked “Issued for Construction” and signed and dated April 18, 2019.
2. If any conditions are encountered which require substantial clarification, deviation, or change in the design from the approved construction documents, the clarification, deviation, or change must be described in a sequentially numbered and dated record, approved in writing by the design engineer. Any clarification, deviation, or change that could affect the safety of the dam must be approved in writing by the Department before continuing that aspect of construction. The sequential records of clarifications, deviations, and changes must be included and described in the construction summary required under Special Condition 4.
3. No less than one week prior to the beginning of the work, the following additional information must be submitted to the Department:
 - Contractor’s construction schedule showing all of the major elements of the modification.
 - Contractor’s plan for managing water and monitoring slope stability during construction
4. Submit the following post-construction documentation, within approximately 60 days of substantial completion of the project:
 - Construction completion report prepared in accordance with the requirements of 11 AAC 93.171(f)(6)(A), including design change details and approvals and record of construction (as-built) drawings.
 - If affected by this modification, a current operation and maintenance manual for the Pond 7/10 Dam System prepared in accordance with the requirements of 11 AAC 93.197, including routine and unusual inspection requirements, a schedule for routine maintenance and inspections, and emergency action plan requirements of 11 AAC 93.164(e).
5. Notify the Department within one week after the date of substantial completion.
6. Commence construction by the first day of June of the second calendar year after the date of this certificate. If construction does not begin by this date, an updated application must be submitted in accordance with 11 AAC 93.171 for review and approval by the Department, including application fees required under 11 AAC 05.010
7. This certificate of approval expires on June 2, 2021.

End of Attachment A