

# 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 AS 46.17, and the regulations adopted under this statute, grants to:

### **Teck Alaska Incorporated**

The approval to modify the following structure at the **Red Dog Mine** in accordance with the terms and conditions contained in this certificate:

#### **Red Dog Tailings Main Dam (NID ID# AK00201)**

The location of this project is: S19, T30N, R18W, Kateel River Meridian

The holder of this certificate shall:

- Modify the dam and appurtenant works according to the document *Detailed Design Package, Final Instrumentation Design for Red Dog Tailings Storage Facility Dams (Instrumentation Plan)*, dated July 15, 2025.
- 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 this dam as found in Attachment A, attached hereto and made a part hereof.

**CERTIFICATE OF APPROVAL TO MODIFY A DAM**  
**Red Dog Tailings Main Dam**

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This *Certificate of Approval to Modify a Dam* is granted subject to the pertinent statutory provisions in AS 46.15 and AS 46.17 and the Administrative Regulations in 11 AAC 93. This certificate is valid only for the time period indicated in Attachment A.

APPROVED BY: Benjamin J. Wagner, P. E.  
TITLE: State Dam Safety Engineer  
Division of Mining, Land and Water  
SIGNATURE: Ben Wagner  
DATE: July 17, 2025

State of Alaska )  
) SS.  
Third Judicial District )



This is to certify that on July 17, 2025, before me appeared Benjamin J. Wagner, known by me to be the 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.

S.A. von Hafften  
Notary Public in and for the State of Alaska

My Commission expires: With Office

**CERTIFICATE OF APPROVAL TO MODIFY A DAM**  
**Red Dog Tailings Main Dam**

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**Attachment A – Special Conditions**

1. The work authorized by this certificate is described Instrumentation Plan. This approval only applies to the instrumentation installation and repair work described in the plan.
2. An engineer qualified in accordance with 11 AAC 93.193 must be in direct responsible charge of observing the work. A field engineer, geologist, or technician under the direct supervision of the qualified engineer must be on site during the work.
3. Any unexpected performance of the drilling progress that could affect the safety of the dam should be reported to the Department within 24 hours.
4. If any conditions are encountered which require substantial clarification, deviation, or change from the Instrumentation Plan referenced in Special Condition 1, the clarification, deviation, or change must be approved in writing by a qualified engineer and submitted to the Department. 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 the work. The Engineer of Record shall maintain a sequentially numbered record of all clarification, deviations, and changes to be included in the report required in Special Condition 6.
5. 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 05.260(c).
6. The following information must be submitted to the Department as indicated:
  - Notify the Department within one week after the date of substantial completion.
  - Within 120 days after the approved modification is substantially complete:
    - Construction completion report including, but not limited to: progressive construction photographs; field and laboratory test results and summaries, correlated to the quantities and descriptions of the various materials used in the construction; descriptions of unexpected conditions, design clarifications, deviations and changes; and, record drawings certified by an engineer qualified in accordance with 11 AAC 93.193(c).
    - Operations and maintenance manual in accordance with the requirements of 11 AAC 93.197.
7. This certificate of approval expires on December 31, 2026.

**End of Attachment A**