

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF MINING, LAND AND WATER

DAM SAFETY AND CONSTRUCTION UNIT



Certificate of Approval to Operate a Dam

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

Chugach Electric Association, Inc.

The approval to operate the following structure on **Eklutna Lake** in accordance with the terms and conditions contained in this certificate:

Eklutna Dam (NID ID#AK00033)

The location of this project is: T15N, R2E, S8, Seward Meridian


The holder of this certificate shall:

- Operate and maintain the Eklutna Dam and appurtenance works in accordance with accepted practice and the document titled *Operations and Maintenance Manual for Eklutna Dam Revision Date July 2016* and approved by the Department concurrent with this certificate.
- 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 OPERATE A DAM
Eklutna Dam

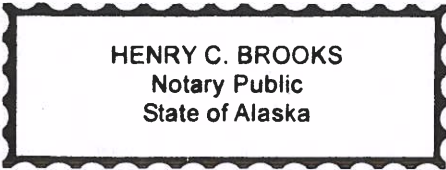
This *Certificate of Approval to Operate a Dam* supersedes any other *Certificate of Approval to Operate a Dam* for the Eklutna Dam that may have been issued by the Department, and shall become invalid 60 days after the Periodic Safety Inspection date specified under Attachment A. A valid certificate shall be issued with revised special conditions based on information contained in a current Periodic Safety Inspection Report approved by the Department and dam safety regulatory standards current at the time of the inspection.

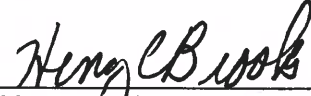
This *Certificate of Approval to Operate a Dam* is granted subject to the pertinent statutory provisions in AS46.15, AS 46.17 and in Administrative Regulations in 11 AAC 93.

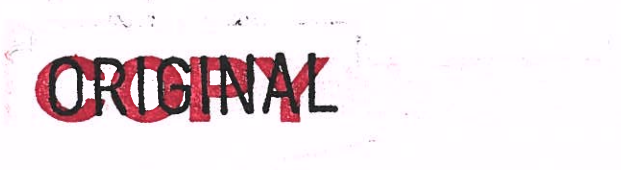
APPROVED BY: Charles F. Cobb, P. E.
TITLE: State Dam Safety Engineer
Division of Mining, Land and Water
SIGNATURE: 
DATE: Feb. 12, 2019

State of Alaska)
) SS.
Third Judicial District)

This is to certify that on February 11, 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.




Notary Public in and for the State of Alaska
My Commission expires: with office



CERTIFICATE OF APPROVAL TO OPERATE A DAM
Eklutna Dam

Attachment A – Special Conditions

1. The Eklutna Dam AK00033) is approved to operate as a Class I (high) hazard potential dam as defined in 11 AAC 93.157 at a nominal crest elevation of 891 feet above mean sea level.
2. Operate, monitor, inspect, and maintain the Eklutna Dam in accordance with best practices and the procedures outlined in the document titled, “Operations and Maintenance Manual for Eklutna Dam Revision Date July 2016” (O&M Manual). Inspect the dam and appurtenant works after all significant seismic or precipitation events. Maintain records of all inspections, monitoring data, and routine maintenance.
3. Document any routine operations and maintenance procedures that deviate from or are not included in the current version of the O&M Manual. Review the O&M Manual concurrent with each Periodic Safety Inspection and revise as necessary.
4. Perform a Periodic Safety Inspection (PSI) on the Eklutna Dam and appurtenant works as required by 11 AAC 93.159 by July 12, 2021. The PSI must be performed by an engineer qualified in accordance with 11 AAC 93.193(b). Prior approval of the engineer and the scope of the inspection must be obtained from the Department in advance of the inspection. Submit a draft Periodic Safety Inspection report to the Department for review within 30 days after the inspection.
5. Within 30 days of the date of the certificate submit a plan and schedule to implement the recommendations of the periodic safety inspection report by McMillen Jacobs Associates dated January 2019.
6. An Emergency Action Plan (EAP) shall be maintained in accordance with the requirements of 11 AAC 93.164(a). Exercise and revise the Emergency Action Plan in accordance with the following schedule:

<u>DATE</u>	<u>ACTION</u>
Annually	Internal review
Annually	Orientation exercise with all responsible parties
Annually	Revise as needed and distribute updated pages
Biennially	Drill exercise (internal)
Triennially	Table top exercise with all responsible parties
Triennially	Revise and distribute to all responsible parties

Provide written notification to the Department within 7 days after any EAP exercise.
7. Notify the Department immediately if the EAP is activated, or within 24 hours of any significant problems that may develop which could affect the safety of the dam. An incident report shall be completed and submitted to the Department in accordance with 11 AAC 93.177 within 14 days after the conclusion of the incident.
8. An application for a certificate of approval must be submitted to the Department for any modifications or major repairs that may affect the safety of the dam, or for removal or abandonment of the dam, or for transfer of ownership.
9. This Certificate of *Certificate of Approval to Operate a Dam* expires on October 11, 2021.

End of Attachment A

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