

# STATE OF ALASKA

SARAH PALIN, GOVERNOR

## DEPT. OF ENVIRONMENTAL CONSERVATION

### DIVISION OF ENVIRONMENTAL HEALTH DRINKING WATER PROGRAM

410 Willoughby Avenue, Suite 303

P.O. Box 111800

Juneau, Alaska 99811-1800

Tel: (907) 465-5317/Fax: (907) 465-5362

<http://www.state.ak.us/dec/deh/>

April 8, 2010

Sigrid Dahlberg, P.E.  
Consulting Engineer  
Carson Dorn, Inc.  
712 West 12<sup>th</sup> Street  
Juneau, Alaska 995801

PWSID#110643  
PlanReviewTracking#6881

Re: Eagle Crest/LT Improvements  
Conditional Approval to Construct

Dear Ms. Dahlberg:

The Department has reviewed your October 1, 2007, submittal requesting approval to construct for the Long Term 1 Enhanced Surface Water Treatment Rule (LT1) filter upgrades. Your request was reviewed in accordance to the State of Alaska Drinking Water Regulations, 18 AAC 80, and a conditional approval to construct is granted.

Approved project includes installation of Strainrite mandatory pre-filter AQUA-RITE HPM99-CC-2-SR using housing AQ-2-2, and filter AQUA-RITE HPM-CCX-2SR using housing AQ-2-2. These filters with housings are approved for the 2-log removal of *Cryptosporidium* and 2.5 log removal of *Giardia*.

The plans are approved with the following conditions:

All materials used in the construction of this water system that will be in contact with potable water must be approved for that used by the National Sanitation Foundation (NSF), Underwriter Laboratories (UL), or an equivalent organization that evaluates products using NSF Standard 61. In the absence of ANSI/NSF 61 certification, material must be approved by the Department for potable water contact on a case-by-case basis.

This approval is contingent upon your receipt of any other state, federal or local authorizations which are required for your project. You are required to obtain all other necessary authorizations before proceeding with your project. Note that the disposal of construction dewatering waters and waters containing high amounts of disinfectant resulting from the disinfection process may require a permit.

You are advised that if this development will require placing fill in wetlands or working in a stream, river or lake, permits from the U.S. Army Corps of Engineers and the Alaska Department of Fish and Game may be required. A Coastal Projects Questionnaire will help you identify other permits and approvals that may be required for your project.

If the applicant fails to construct, install, alter, renovate, or improve the public water system within two (2) years after the department issues an approval to construct under Drinking Water Regulations, 18 AAC 80.210(c), the approval is void and the plans and information required under 18 AAC 80.210(a) must be resubmitted for department review and approval. If during the two-year period the site conditions, plans and information, and requirements in this chapter do not change, and if the applicant pays the fee required by 18 AAC 80.1910(b)(12), the department will grant the applicant an extension.

A conditional Construction and Operation Certificate with construction portion signed is enclosed. In order to receive final operational approval, please submit the following upon completion of construction:

1. A request for operational approval.
2. As-built or record drawings (clearly showing any change orders along with a brief narrative in a cover letter) signed and sealed by the registered engineer who supervised the construction.
3. Letter stating that the project was substantially completed according to the approved plans; the system was properly disinfected and flushed per ANSI /AWWA Standards C651-99, C652-02, and C653 where applicable; test results for total coliform bacteria showed absence of bacterial contamination; system was properly pressure tested.

You may request interim approval to operate by addressing items #1 and #3 above and submitting a statement of substantial completion. Interim approvals are good for 90 days. This will allow time to complete the as-built or record drawings as needed for your request for final approval to operate.

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195- 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. **Informal review requests** must be delivered to the Division Director, Kristin Ryan, 555 Cordova St., Anchorage, Alaska 99501, within 15 days of the permit decision. **Adjudicatory hearing requests** must be delivered to the Commissioner of the Department of Environmental Conservation, Larry Hartig, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 30 days of the permit decision. If a hearing is not requested within 30 days, the right to appeal is waived. More information on the Department's administrative appeals process can be found at the following website: <http://www.dec.state.ak.us/commish/ReviewGuidance.htm>.

If you have any questions, please call me at (907) 465-5317.

Sincerely,

A handwritten signature in dark ink, appearing to read "David Khan", with a long horizontal flourish extending to the right.

David Khan, PE  
Environmental Engineer

Enclosure: Construction and Operation Certificate (Approval to Construct signed)

cc: Jeff Brown, Operator/Juneau  
David Litchfield, Environmental Specialist/ADEC-Soldotna





STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
CONSTRUCTION AND OPERATION CERTIFICATE  
FOR  
PUBLIC WATER SYSTEMS

PWSID # 110643  
PlanReviewTracking # 6881

A. APPROVAL TO CONSTRUCT

Plans for the construction or modification of Eagle Crest  
LT1 ESWTR filters upgrade (Strainrite) public water system located in  
Juneau, Alaska, submitted in accordance with 18 AAC 80.300  
by Sigrid Dahlberg, PE/907.586.4447 have been reviewed and are

☐ approved.

☒ conditionally approved.

BY David Khan, PE

Environmental Engineer  
TITLE

4/8/2010  
DATE

If construction has not started within two years of the approval date, this certificate is void and new plans and specifications must be submitted for review and approval before construction.

B. APPROVED CHANGE ORDERS

Change (contract order number or descriptive reference): \_\_\_\_\_ Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

C. APPROVAL TO OPERATE

The "APPROVAL TO OPERATE" section must be completed and signed by the Department before this system is made available for use.

The construction of the \_\_\_\_\_ public water system was completed  
on \_\_\_\_\_ (date). The system is hereby granted interim approval to operate for 90 days following the completion date.

BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

As-built/record drawings, submitted to the Department, or an inspection by the Department, have confirmed that the system was constructed according to the approved plans. The system is hereby granted final approval to operate.

BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Distribution: 1. Retain original for project file  
2. Make copies for distribution