

STATE OF ALASKA

SARAH PALIN, GOVERNOR

DEPT. OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL HEALTH
DRINKING WATER PROGRAM
<http://www.dec.state.ak.us/eh/dw>

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RECEIVED
JUL 31 2007

July 27, 2007

File: City of Atka Phase 1
PWSID: 260058

Mr. Todd Bethard, P.E.
HDR Alaska, Inc.
2525 C Street, Suite 305
Anchorage, Alaska 99503

Re: Request for Approval to Construct Water and Sewer Improvements
City of Atka, Class A Public Water System

Dear Mr. Bethard:

On May 25, 2007, this office received your submittal requesting approval to construct Phases I water and sewer improvements to the City of Atka public water system (PWSID 260058). This Class A PWS supplies surface water to a community of 97 residents with a projected (2026) daily consumption of 69,224 gallons per day. Phase I of this project is designed to supply water to 28 new water service connections and 7 fire hydrants via approximately 1,950 feet of 6 inch butt fused HDPE SDR 11 pipe buried with a minimum cover of 4 feet. Phase II of this project (not included in this approval) will include a new water treatment plant, storage tanks, water supply impoundment, and new service line to the fish processing plant.

Waivers

Your request to waive separation distance requirements of the State's Drinking Water Regulations (18 AAC 80.020 (f)) for sewer and water main crossings was received on July 13, 2007. Five (5) locations in this project have been reviewed for separation distance waivers. According to the information provided, these locations have been reviewed and approved subject to the following conditions:

1. Where possible the water and sewer lines will maintain a 10 foot horizontal separation and 18 inch water over sewer vertical separation.
2. Where the water and sewer lines must cross:
 - a. For water above sewer, mains will be constructed with a minimum of 18 inches of vertical separation and joints will be staggered 9 feet.

- b. For sewer above water, mains will be constructed with a minimum of 30 inches of vertical separation and joints will be staggered 9 feet.

Construction Approval

Finding the details of your submittal to conform to the provisions of the State's Drinking Water Regulations, 18 AAC 80, **Conditional Approval to Construct** is issued for the concerns of this Department, subject to the following conditions:

1. No plans were submitted for a temporary water system. The specifications for the approval of a temporary water system should follow these conditions and requirements:
 - a. The use of the temporary water system is for short term use only, generally not to exceed 30 days.
 - b. The temporary water system source must be from an approved Public Water System (PWS).
 - c. A backflow prevention device must be installed at the connection to the existing PWS.
 - d. If the temporary water system is to be operated during winter conditions, freeze protection should be provided.
 - e. All materials used in the temporary water system, in contact with the potable water, must be certified under the National Sanitation Foundation (NSF) Standard 61.
 - f. The temporary water system distribution system must be disinfected and flushed in accordance with AWWA C651.
 - g. At least 20 psi of service pressure should be maintained at the highest elevation the distribution main, under peak flow conditions.
 - h. The temporary water system may not serve water to the public until analytical test reports for water sample(s), taken at the furthest end of the temporary distribution, confirms that the system is free from coliform bacteria.
 - i. Approval/acknowledgment is obtained from the PWS owner of the starting and ending period of temporary system.
2. Note that deviations from approved plans which affect separation distances, capacity, flow, pressure, operation, compliance, materials of major system components (particularly any components which do not meet National Sanitation Foundation Standards 61), must be approved by DEC prior to their construction or implementation.

3. 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.

The enclosed Construction and Operation Certificate, with the Approval to Construct section completed, constitutes written approval as required under the noted regulations. In order to receive Interim Approval to Operate, please provide the following:

1. Written verification that the construction has been completed.
2. Confirmation that the installation has been completed under the direction of a registered engineer.
3. Verification that the system has been successfully pressure tested.
4. Verification that the distribution lines have been disinfected and flushed in accordance with the most recent version of AWWA Standard C651-99. Proper bacteriological testing, as outlined in AWWA C651-99 Sec. 5.1, will be required before the Department will grant operational approval. Provide copies of analytical test reports for samples taken from the finished water confirming that the system is free from Total Coliform bacteria.

Final Approval to Operate must be completed within 90 days after receiving Interim Approval to Operate. As a part of your request for Final Approval to Operate, please provide the following:

1. Provide record drawings, stamped and signed by a registered engineer, confirming that the distribution system meets the requirements of 18 AAC 80. "Record drawings" means the original plans prepared for construction and department approval, revised to reflect how the system was constructed or installed.

If you have any questions regarding this plan review please do not hesitate to contact me at (907) 269-7631.

Thank you,



Christopher Clark, EIT
Environmental Engineer Assistant

Approval Limitations

This approval does not imply the granting of additional authorizations, nor obligate any federal, state, or local regulatory body to grant required authorizations. This is not an approval of omissions or oversights by this office or noncompliance with any applicable regulation. The Department's approval to construct does not guarantee correctness of the functional design or waiver the owner's responsibility for continued compliance with State regulations.

Approval Expiration

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.

Appeal Process

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, 555 Cordova St., Anchorage, Alaska 99501, within 15 days of this decision. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 30 days of this decision. If a hearing is not requested within 30 days, the right to appeal is waived.

Encl: Approval to Construct Certificate for Public Water Systems

Cc:

Ms. Julie Durks
City of Atka
P.O. Box 765
Unalaska, AK 99685

David Edmunds, ADEC/EH/DW Anchorage via Email

Susan Randlett, ADEW/VSW Anchorage via Email

