



THE STATE
of ALASKA

GOVERNOR SEAN PARNELL

Department of Environmental
Conservation

DIVISION OF ENVIRONMENTAL HEALTH
Drinking Water Program

555 Cordova Street
Anchorage, Alaska 99501
Telephone: 907-269-6064
william.tyrell@alaska.gov

August 21, 2012

File: 2513.07 DW Atka Water System
PWSID: 260058

Mr. Paul C. Weisner, P.E.
CE2 Engineers, Inc.
PO Box 232946
Anchorage, Alaska 99501

Re: Atka Water System Upgrades Ph 1
Community Water System
Interim Approval to Operate

Dear Mr. Weisner:

On August 20, 2012 this office received your submittal requesting interim approval to operate a new surface water treatment plant, a 130,000 gallon bolted steel water storage/disinfectant contact tank, and approximately 1100 feet of 8-inch HDPE water main. Approximately 4,700 feet of planned water main approved for construction, was not constructed and was deleted from this project.

Interim Approval to Operate

Based on the information provided, Interim Approval to Operate the Atka Water System Upgrades Ph 1 Replacement project is granted for a period 90 days from the date of this letter and will expire November 20, 2012. The enclosed Construction and Operation Certificate, with the Interim Approval to Operate section completed, constitutes written approval.

The water source is unchanged by this project and is a surface water impoundment. Raw water flows by gravity via an existing 4-inch main to the treatment plant site. Treatment is injection of a polymer coagulant and flow through two 5 foot diameter multi-media pressure filters followed by flow paced chlorine injection. Coagulant feed is based on electrical charge as determined by a streaming current detector. Combined filter effluent turbidity will be monitored prior to chlorination.

Disinfectant contact time calculations were based on a peak hourly flow of 58.5 gallons per minute, temperature of 0.5°C, pH of 7.8, free chlorine concentration as measured after the storage tank of 0.4mg/l, a storage tank baffle factor of 0.1, and a storage tank minimum volume of 92,140 gallons or 70% of the total tank volume.

Requirements for Final Approval to Operate

1. Final Approval to Operate must be completed within 90 days after receiving Interim Approval to Operate.
2. Provide record drawing, signed and sealed by a registered engineer confirming that the system meets the requirements of 18 AAC 80.

3. Operation & Maintenance Manual: Provide documentation that the operations and maintenance (O&M) manual for all components of the water system have been completed. The O&M manual should include a description of basic O&M needs including:
 - a. Chemicals and spare parts of critical system components.
 - b. Replacement and maintenance schedules.
 - c. Backwash frequency, trigger, and procedures.
 - d. Instructions and procedures for chlorine dosing, monitoring, and adjustments.
4. Provide a completed Water System Inventory Form. This form is available at the Department Drinking Water Program website at <http://www.dec.state.ak.us/eh/dw/dwmain/engineering.html>. This form must be completed by an engineer who was involved in the system design or construction oversight.

Approval Limitations

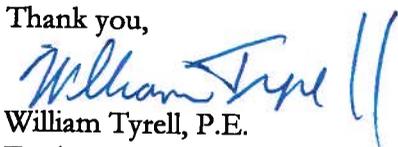
This approval does not imply the granting of additional authorizations, nor obligate any federal, state, or local regulatory body to grant required authorizations. This is not an approval of omissions or oversights by this office or noncompliance with any applicable regulation. The Department's approval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

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, Kristin Ryan, 555 Cordova St., Anchorage, Alaska 99501, within 15 days of receipt of this 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 this 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 contact me at 269-6064.

Thank you,



William Tyrell, P.E.
Environmental Engineer

enc: Construction and Operation Certificate for Public Water Systems

cc: Julie Dirks
City of Atka
750 West Dimond Blvd. Suite 202
Anchorage, AK 99515

Leah Guzman, DEC/EH/DW Program (via email)



State of Alaska Department of Environmental Conservation
Drinking Water Program



PUBLIC WATER SYSTEM
CONSTRUCTION AND OPERATION CERTIFICATE

Approvals listed below are for compliance with the requirements of the State of Alaska Drinking Water Regulations 18 AAC 80. Any approvals granted do not imply or grant any other federal, state or local authorizations that may be required.

Water System Name: Atka Water System PWSID: 260058

Water Source: Surface Water Classification: Community

System Wide Approval Modification Approval

Project Description:

The project includes a new surface water treatment plant, a 130,000 gallon bolted steel water storage/disinfectant contact tank, approximately 3,000 feet of 8-inch and 2,800 feet of 6-inch HDPE water main, and abandonment of two wood stave water storage tanks and water mains associated with those tanks.

note: only ~ 1100 ft 8" installed.

A. APPROVAL TO CONSTRUCT

Plans submitted in accordance with 18 AAC 80.205 by Michael Erdman, P.E. have been received and are

<input type="checkbox"/> approved as submitted	<input checked="" type="checkbox"/> conditionally approved; see attached letter
<u><i>Michael Erdman</i></u>	<u>Environmental Engineer</u>
(Reviewing Engineer)	(Title)
	<u>March 17, 2011</u>
	(Date of Approval)

If applicant fails to construct, alter, install, or modify the system within two years of the date of approval to construct, approval is void, and plans must be resubmitted for Department review and approval (as per 18 AAC 80.215 (a)).

Approved Change Order

Change (contract order number or description): _____

_____	_____	_____
(Reviewing Engineer)	(Title)	(Date of Approval)

B. APPROVAL TO OPERATE

This section must be completed and signed by the Department before any water is made available for public use.

Interim Approval to Operate:

This interim approval to operate expires on 11/20/2012. It is illegal to operate a public water system beyond the expiration date without Final Approval to Operate from the Department.

<u><i>William Syrell</i></u>	<u>Engineer (DEC)</u>	<u>8/21/2012</u>
(Reviewing Engineer)	(Title)	(Date of Approval)

Interim Approval Extension:

This interim approval to operate has been extended to _____.

_____	_____	_____
(Reviewing Engineer)	(Title)	(Date of Approval)

Interim Approval Extension:

This interim approval to operate has been extended to _____.

_____	_____	_____
(Reviewing Engineer)	(Title)	(Date of Approval)

Final Approval to Operate

Record drawings and other documents submitted to the Department, or an inspection by the Department, has confirmed that the public water system was constructed in substantial conformance to 18 AAC 80.

_____	<u>Environmental Engineer</u>	_____
(Reviewing Engineer)	(Title)	(Date of Approval)