



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Environmental
Conservation

DIVISION OF ENVIRONMENTAL HEALTH
Drinking Water Program

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April 25, 2016

Mr. Alan Steffert
City and Borough of Juneau
155 South Seward Street
Juneau, AK 99801

RE: City and Borough of Juneau Community Water System (Public Water System ID# 110342)
Salmon Creek Membrane Filtration Treatment Plant Addition
One-Year Interim Approval to Operate (PR# 9365)

Dear Mr. Steffert:

April 24, 2016, this office received a request from your engineer, James L. Dorn, P.E., for Interim Approval to Operate the completed Public Water System (PWS) modifications.

To support the request for Interim Approval to Operate, the project engineer has provided certification or verification that:

- Construction has been completed under the direction of a registered engineer in substantial accordance with the approved plans as modified by the department approved change order (Change Order #1);
- Only lead-free materials listed in NSF 372 or NSF 61 Annex G and NSF 61 materials were used in the construction;
- Only NSF 60 listed chemicals are being used for water treatment;
- The system was successfully flushed, pressure tested and disinfected;
- The system was properly disinfected and verified to be free of Coliform bacteria. The results of all Coliform bacteria collected to confirm disinfection of the modifications were negative for Total Coliform and E. Coli;
- An Operations & Maintenance manual has been provided to the water system operators;
- The separation distance requirements and mitigating construction requirements of the department's Separation Distance Waiver Approvals were met during construction.

The request has been reviewed and Interim Approval to Operate is granted for a period of one year and expires on April 25, 2017. This approval is documented on the enclosed Construction and Operation Certificate, with the Interim Approval to Operate section completed.

Conditions of Interim Approval to Operate

1. Operation beyond April 25, 2017, requires that final approval to operate or an extension of the interim period be granted by this office prior to that date.

2. Operation of this public water system requires routine monitoring. Daily monitoring is required to begin as soon as water is available for service to assure requirements are met. Please contact this office for additional information and a detailed schedule of all monitoring requirements.

3. The operators of this system should maintain records of operations and maintenance activities, and a log of water meter readings. These records should be available to the department upon request and during sanitary surveys and inspections.

To Request Final Approval to Operate	
At least 30 days prior to the expiration of the Interim Approval to Operate, submit the following information in the request for Final Approval to Operate:	
<u>Record Drawings:</u>	Record drawings, sealed, signed and dated by a registered engineer. The record drawings must include: <ul style="list-style-type: none"> • clear delineations of any changes or deviations from the previously submitted and approved plans; • details verifying compliance with minimum separation distance requirements; and • construction details for all water and sewer main crossings.
<u>Operator:</u>	The Drinking Water Regulations, 18 AAC 80.007, require that this system be actively supervised as described in the Operator Certification Regulations, 18 AAC 74, by operators who are certified in accordance with AS 46.30 and 18 AAC 74. For more information on Operator Certification requirements contact Ken Smith, Environmental Program Specialist (907-465-5136 or Ken.Smith@alaska.gov .)
<u>Disinfection Profile:</u>	A disinfection profile (a representation of your system’s level of Giardia lamblia, Cryptosporidium, and virus inactivation measured during the course of a year,) needs to confirm the treatment system has the ability to be operated to meet the inactivation requirements of the regulations on a consistent basis (the data should be submitted graphically and in an electronic format compatible with Microsoft Excel).
<u>Turbidity Monitoring:</u>	One year of continuous turbidity monitoring needs to confirm that the treatment system has ability to be operated to meet the turbidity requirements of the regulations on a consistent basis (the data should be submitted graphically and in an electronic format compatible with Microsoft Excel).
<u>Outstanding Conditions:</u>	Verification and applicable documentation demonstrating that all conditions contained in this Conditional Approval to Construct have been met.

Approval Limitations

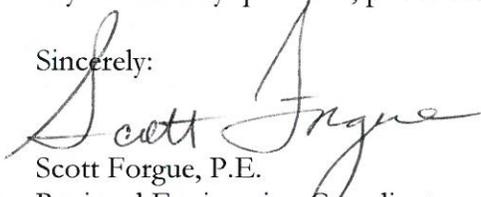
This approval does not imply the granting of additional authorizations, nor obligate any federal, state, or local regulatory body to grant required authorizations. This is not an approval of omissions or oversights by this office or noncompliance with any applicable regulation. The department’s approval 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. Requests for an adjudicatory hearing or informal review may be made by mail, electronic mail, or facsimile. Informal review requests must be delivered to the Division Director, 555 Cordova St., Anchorage, AK 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 Ave., Suite 303, Juneau, AK 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 <http://www.dec.state.ak.us/commish/ReviewGuidance.htm>.

If you have any questions, please feel free to contact me at 907-.

Sincerely:



Scott Forgue, P.E.
Regional Engineering Coordinator
Kenai/Southeast/Wasilla Engineering Area

Enc.: Interim Operation Certificate

cc: James L. Dorn, P.E., Carson Dorn, Inc. (via email)
Rob Kimble, DEC-Engineering Support & Plan Review (via email)
Sally Wanstall, DEC-Waste Water Discharge Authorization Program (via email)
Ken Smith, DEC- Operator Assistance (via email)
Beth Verrelli, DEC-Municipal Grants & Loans (via email)



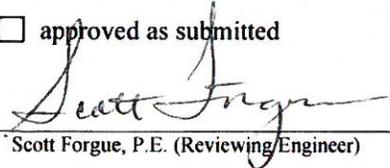
STATE OF ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CONSTRUCTION AND OPERATION CERTIFICATE
FOR
PUBLIC WATER SYSTEMS



A. APPROVAL TO CONSTRUCT – City & Borough of Juneau Salmon Creek Membrane WTP

Plans for the construction or modification of the City and Borough of Juneau, (PWSID # 110342, Plan Review # 9365), a Community Water System, located in Juneau, Alaska, submitted in accordance with Drinking Water Regulations, 18 AAC 80.200 by James Dorn, P.E. /Alan Steffert, owner’s representative have been reviewed and are

approved as submitted conditionally approved (see attached conditions)



 Scott Forgue, P.E. (Reviewing Engineer) Regional Engineering Coordinator July 24, 2015
 (Title) (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.

B. APPROVED CHANGE ORDERS

Change (contract order number or descriptive reference):

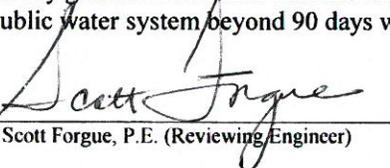
 (Reviewing Engineer) (Title) (Date of Approval)

Change (contract order number or descriptive reference):

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

C. INTERIM APPROVAL TO OPERATE

This section must be completed and signed by the Department before any water is made available for public use.
 The construction of the above-referenced water system was completed and approved for operation on 4/25/16. The system is hereby granted **INTERIM APPROVAL TO OPERATE** for 1 year following the interim approval date. It is illegal to operate a public water system beyond 90 days without **FINAL APPROVAL TO OPERATE** from the Department.



 Scott Forgue, P.E. (Reviewing Engineer) Regional Engineering Coordinator April 25, 2016
 (Title) (Date of Approval)

D. FINAL APPROVAL TO OPERATE

Record drawings and other documents submitted to the Department, or an inspection by the Department, has confirmed that the above-referenced water system was constructed in substantial conformance with the approved plans. The system is hereby granted **FINAL APPROVAL TO OPERATE**.

 Scott Forgue, P.E. (Reviewing Engineer) Regional Engineering Coordinator (Date of Approval)
 (Title)