

February 18, 2015

Letha Crawford
Engineering Project Manager
Oregon State Parks Coastal Region
12735 NW Pacific Coast Highway
Seal Rock, OR 97376-9632

**Re: Plan Review – New Water Tank and Water System Upgrades
OPRD Cape Lookout State Park (PWS 91068; PR 4-2015)
Conditional Approval**

The Oregon Drinking Water Services (DWS) received the plans and specifications and plan review fee for the referenced project on January 20, 2015, and follow-up emails on January 23rd and February 17th. The proposed project includes replacement of existing redwood storage tanks with a new 105,000 gallon welded steel tank, and water system upgrades (new transmission pipelines, new electrical controls, etc). At this time, DWP grants *Conditional Approval* for the project as follows:

Conditions of Approval

1. Prior to construction, OPRD will provide DWS with specifications for the proposed flow-meter to be located on new 4" water distribution pipeline from the new storage tank, for review and approval. The flowmeter location must allow accurate metering of system demand flow.
2. A sample tap will be installed at a location that allows sampling of water quality *following* disinfection [i.e. following storage volume infrastructure (tank, pipe volume) contributing to the disinfection contact time], at or before the first user. The location should also be convenient for operators to collect water samples for daily water quality parameters used for CT calculations (i.e., chlorine residual, pH and temperature).
3. Within 90 days following completion of construction, a Tracer Study must be performed to determine disinfection contact time under peak flow conditions. Prior to conducting the Tracer Study, a description and proposed methodology for the study must be submitted to DWS for review and approval.

Final plan review approval will be granted upon completion of the proposed project, written certification by the engineer-of-record that the project was

completed according to the submitted plans and specifications, and that the conditions of this letter have been addressed. Note, the new tank and water lines cannot be used to provide potable water to users of the facility until the plan review for this project receives final approval from DWS.

If you have questions, please contact me at 971.673.0406, or via email at fred.n.kalish@state.or.us.

Sincerely,

Fred Kalish, P.E.
Regional Engineer
Drinking Water Program

Cc: Annette Pampush, Tillamook County