



August 27, 2020

John Hnatishin  
Skillings, Inc.  
5016 Lacey Blvd SE  
Lacey, WA 98503

**Re: Chlorination for Secondary Treatment, Plan Review # 88-2020  
Mt. Hood RV Village  
Conditional Approval**

Mr. Hnatishin:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for chlorination and secondary water treatment for Mt. Hood RV Village. On July 23, 2020, our office received plans, specifications prepared by Thomas Skillings, P.E., and a plan review fee of \$248.

The project includes chlorination for residual maintenance and to oxidize iron and manganese with Pyrolex greensand filtration, which is certified to the National Sanitation Foundation Standard 61.

**The plans are approved with the following conditions:**

1. There must be a raw water sample tap for both wells #1 and 2, prior to chlorination, so that raw water quality may continue to be assessed.
2. There must be the ability to notify the operator in the event the chlorine supply is exhausted, or a low level alarm.
3. The chlorine must be injected in proportion to the flow of water through the chlorination system.
4. Chlorine solution must be certified to the National Sanitation Foundation Standard 60, or equivalent.
5. A DPD or other U.S. EPA – approved chlorine analyzer must be present to ensure a detectable chlorine residual in the water system.

As a comment, ensure that chlorine is applied continuously. It was unclear from Sheet 4 of the plans, whether there is bypass piping around chlorine injection.

**Until we receive verification that the conditions have been met and final approval has been issued, the chlorination is not approved for use.** Upon completion of the project, the engineer must verify in writing that construction was completed according to the submitted plans. If substantial changes are made, a set of as-built drawings must be submitted. Documentation demonstrating how the above conditions were met should reference Plan Review #88-2020 and can be emailed to me at [james.b.nusrala@dhsosha.state.or.us](mailto:james.b.nusrala@dhsosha.state.or.us) or mailed to:

Attn: James Nusrala  
OHA-Oregon Drinking Water Services  
800 NE Oregon Street, Suite 640  
Portland, OR 97232-2162

If you have any questions or concerns, please contact me at (971) 673-0459, or [james.b.nusrala@dhsosha.state.or.us](mailto:james.b.nusrala@dhsosha.state.or.us).

Sincerely,



James Nusrala, P.E.  
Regional Engineer  
Drinking Water Services  
ec:  
Jerry Stotler, Mt Hood RV Village  
Joel Ferguson, REHS, Clackamas County HD