



Theodore R. Kulongoski., Governor

**Department of Human Services**

Health Services

800 NE Oregon Street

Portland, OR 97232-2162

December 12, 2010

(971) 673-0405

(971) 673-0457 – FAX

(971) 673-0372 - TTY-Nonvoice

Brad Carr  
HBH Consulting Engineers  
20015 SW Pacific HWY, Ste 101  
Sherwood, OR 97140

Re: Jewell School District #8 (PWS #90531)  
Slow Sand Filtration and Disinfection System Expansion  
**Conditional Approval - PR #192-2010**

Dear Mr. Carr:

Thank you for your submittal to the Drinking Water Program (DWP) of plans for the slow sand filtration and disinfection system expansion for the Jewell School District #8 (Plan Review #192-2010). The project involves installation of a third 6-gpm Blue Future Filters slow sand filter (SSF-6), two new Norwesco 141”D x 87” H tanks (product code #0005-050) with NFS-61 Certification, chlorination system, and related piping incorporated into a new filtration building, which is also to house the two original SSF-6 Blue Future filters, control tank, pump, Hach 1720E turbidimeter and related piping previously approved under PR#72-2008. This system will augment the existing corrosion control system, 15,000 gallon clearwell, pressure tanks (2), and related piping located in the original treatment room.

This project is approved for construction provided the following conditions are met:

1. Total and e-coli colony counts and turbidity of both raw and filtrate water results are submitted demonstrating filter performance prior to the filters being put into service;
2. A tracer study demonstrating 0.5 log giardia inactivation is completed;
3. Standard operating procedures incorporate the new components;
4. Disinfection of facilities is completed according to applicable standards under AWWA C651-654; and
5. Materials intended for contact with potable water meet NSF Standard 61.

Once construction is complete, it must be demonstrated that the conditions listed above have been met and a set of as-built drawings submitted to our office.

Thank you for your patience in this process and if you have any questions, or would like this in an alternate format, please feel free to call me at (971) 673-0419 or via e-mail at [evan.e.hofeld@state.or.us](mailto:evan.e.hofeld@state.or.us).

Sincerely,

A handwritten signature in black ink, appearing to read "Evan Hofeld", written in a cursive style.

Evan Hofeld  
Regional Engineer  
DHS - Drinking Water Program

cc: Joe Donaldson, Jewell SD #8