

8 December 2016

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Mary and Randy Jackson
London Water Co-Op
72785 London Road
Cottage Grove, Oregon 97424

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Springfield, OR 97477
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<http://healthoregon.org/dwp>

RE: UV Disinfection (PR #2016-17)
London Water Co-Op (PWS OR4100239)
Final Approval

Dear Mrs. and Mr. Jackson:

Based on a site visit, I confirmed the conditions of approval for *plan review* on UV treatment at London Water Co-Op located near Cottage Grove in Lane County, Oregon. It is Oregon Health Authority Drinking Water Services' (DWS') understanding that UV is intended to provide *Giardia* inactivation as the plant's current contact time for chlorine is 46 minutes, making it difficult to achieve CT with colder water. The proposed reactor is credited with 3.5-log *Giardia* and *Cryptosporidium* inactivation when operated per manufacturer's specifications and at a flow up to 70 gallons per minute (gpm). At this time, DWS grants the project *final approval*.

Thanks again for the plan submission. If you have any questions, you are welcome to contact me at (541) 726-2587 extension 57 or via email at james.r.macpherson@state.or.us.

Sincerely,



James "Jay" MacPherson, Ph.D., P.E.
Region 2 Plan Review Coordinator
OHA Drinking Water Services

cc: Plan Review, DWS Portland
Vicki Whisler, 72654 London Road, Cottage Grove 97424