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12 October 2018

Jim Dienstel
Pleasant Hill Schools
36386 Hwy 58
Pleasant Hill, Oregon 97455

**RE: Residual Maintenance on Wells A and B (PR 2018-128)
Pleasant Hill Schools (PWS OR4191851)
Conditional Approval**

Dear Mr. Dienstel:

Thank you for submitting materials for plan review of residual maintenance on well A (Stage 1; aka well #2, Lane 15984) and well B (Stage 2; aka well #3, Lane 15969) that are currently used for emergency purposes at Pleasant Hill Schools located in Pleasant Hill, Oregon. On 17 September 2018, the Oregon Health Authority, Drinking Water Services (DWS) received a fee of \$825, a synopsis of work for stages 1 through 5 (of which this plan review addresses 1 and 2 only), site maps, well logs, photographs, and specifications sheets for metering pump equipment and chemical (hypochlorite). At this time DWS grants the project conditional approval.

The project includes addition of chlorine to maintain a residual concentration in the distribution system should the wells be used for an emergency. This is proposed for peace of mind.

The project will be granted *final approval* subject to Pleasant Hill Schools (or its designated representative) providing written verification to DWS that the project was completed per plans and met Oregon Administrative Rule (OAR) 333-061-0050 Construction Standards, and 333-061-0087 Product Acceptability Criteria, such as those described below:

1. A low-level alarm for chlorine volume exists. This could be a regular facility visit.
2. A sample tap is located prior to the point hypochlorite is added.

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3. All wetted materials, such as tubing and fittings, are certified to NSF/ANSI standard 61.
4. Free chlorine is measured daily at the entry point or first user whenever the facility is in use.
5. The target chlorine dose is calculated based on the stock chlorine solution concentration, chemical feed pump rate, and ground water pump flow rate (as opposed to relying solely on measured free chlorine residual concentration).

Thank you again for submitting plan review materials. Until DWS receives written verification that the conditions have been met and final approval has been issued, the residual maintenance is not approved for use. Documentation demonstrating how the above conditions were met should reference Plan Review #2018-128 and can be emailed or mailed to me. If you have questions, please 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

ec: Plan Review, DWS Portland
Sarah Puls, Lane County