



PUBLIC HEALTH DIVISION
Center for Health Protection, Drinking Water Services

Tina Kotek, Governor

Oregon
Health
Authority

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April 25, 2024

Greg Montague
BLM Rand Ranger Station/Information Center
2164 NE Spalding Ave.
Grants Pass, OR 97526

**Re: New Filtration (PR#36-2024)
BLM Rand Rngr. Sta./Info. Ctr. (PWS ID#94758)
Conditional Approval -updated**

Dear Greg Montague:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new cartridge filtration for BLM Rand Ranger Station/Information Center. On March 18, 2024, DWS received drawings, product data and a plan review fee of \$825.

The project includes the installation of a new compliance Harmsco cartridge filtration system to replace existing Seccua membrane filtration system no longer able to be operated and monitored in accordance with Oregon Administrative Rules (OARs). The existing membrane filter will remain installed and act as a pre-filter to the new cartridge filter. The work will be performed at the water treatment plant at the BLM Rand Ranger Station/Information Center located near the unincorporated community of Galice, Oregon.

The project shall adhere to all applicable DWS Oregon Administrative Rules (OAR). The submitted plan review material has been reviewed and the following items were noted as conditions of final approval:

General-

- Per OAR 333-061-0050(1), only materials designed for potable water service and meeting NSF Standard 61: Drinking Water System Components - Health Effects or equivalent shall be used in those elements of the water system which are in contact

with potable water.

Water treatment facilities (other than disinfection)-

- Per OAR 333-061-0050(4), the Harmsco cartridge filtration system shall demonstrate compliance with the applicable portions of subsection (a) through (d) of this rule. The Harmsco HC/90-LT2 main filter used with Hurricane MUNI 90 MP housing is qualified for a log removal credit of 2.0 log for crypto and 2.5 log for Giardia per the DWS challenge study criteria. The existing chlorination system will need to maintain as least 0.5 log inactivation through chlorination. The existing Seccu membrane filtration will no longer receive any log removal credit. Provide as-built documents (i.e., drawings, photos, product data) showing installation of necessary sampling port (i.e., combined filter effluent sample tape) and measuring devices (i.e., pre and post pressure gauges).
- A pilot study must be conducted when using cartridge filtration. The pilot study is required to identify any operational issues such as plugging of the prefilters. Pilot study protocol must be approved in advance. Parameters include (but are not limited to) raw turbidity, filtered turbidity and amount of filtration time for filter to reach maximum pressure drop of 25 psi. After the pilot study protocol is approved and prior to final approval of this project, results of a completed small scale, filter-to-waste pilot study must be submitted. If the system chooses a full-scale study during the initial operation period may be approved as an alternative to the small scale, filter-to-waste study. The final approval letter will reflect the need for the pilot study. Depending on the results of the pilot study, the final approval is subject to revocation.
- Upon substantial completion of the new cartridge filter installation, update the monthly operating report form to reflect turbidity readings with cartridge filtration per OAR 333-061-0036.

Disinfection of facilities-

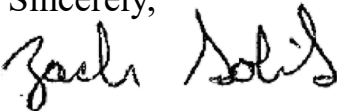
- Per OAR 333-061-0050(10), following construction or installation of new facilities and repairs to existing facilities, those portions of the facilities which will be in contact with water delivered to users must be cleaned and flushed with potable water and disinfected according to AWWA Standards C651 through C654 before they are placed into service.

Until we receive verification that the conditions have been met and final approval has been issued, the new surface water filtration is not approved for use.

Documentation demonstrating how the above conditions were met should reference Plan Review #36-2024 and can be emailed to me at zachariah.cunningham-golik@oha.oregon.gov.

If you have any questions, please feel free to call me at 541-231-9077.

Sincerely,



Zach Golik, PE
Regional Engineer
Drinking Water Services

CC: Julie Wray, DWS Portland
Kent Downs, DWS Springfield