



PUBLIC HEALTH DIVISION  
Center for Health Protection, Drinking Water Services

Tina Kotek, Governor

Oregon  
**Health**  
Authority

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March 7, 2024

Steve Lambert  
Jackson County Parks Rogue Elk Park  
7520 Table Rock Road  
Central Point, OR 97502

**Re: Well and 4-log Disinfection (PR#31-2024)  
Jackson County Parks Rogue Elk Park (PWS ID#90802)  
Conditional Approval**

Dear Steve Lambert:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the well reconstruction and 4-log disinfection for Jackson County Parks Rogue Elk Park. On March 5th, DWS received drawings, construction specifications and a plan review fee of \$825.

The project includes the reconstruction the existing active well, "Well-JACK18834" such that it will meet the Oregon Water Resource Department's minimum construction standards. The only available aquifer to the well is contaminated and requires the installation of 4-log disinfection. The work will be at the Rogue Elk Park located between the unincorporated communities of Trail and McLeod, 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 specific 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.

*Well-*

- Per OAR 333-061-0050(2)(a), the well reconstruction work shall adhere to all applicable portions of subsection (A) through (N) of this rule. Upon successful, substantial completion of the well reconstruction work, the water system shall demonstrate that the applicable rules have been met with as-built information (i.e. drawings, photos, testing, product information, well log, etc.).

*Facilities for disinfection and disinfectant residual maintenance-*

- Per OAR 333-061-0050(5), the required 4-log inactivation (disinfection) shall meet the applicable portions of subsection (a) through (l). If the well reconstruction does not eliminate water production, the aquifer water must be treated due to E.coli contamination. The water system must demonstrate that existing disinfection and water storage infrastructure has the ability to produce 4-log inactivation of the finished water. The water will need to submit design drawings, product specifications, and design calculations for the 4-log disinfections system. The water system will be required to perform continued assessment monitoring of the raw well water after substantial completion of the work.

*Finished water storage-*

- Per OAR 333-061-0050(6), it shall be demonstrated that the existing and/or any new storage facilities needed for disinfection contact time or additional water storage meets the applicable portions of subsection (a) through (b) of this rule.

*Distribution systems-*

- New and modified portions of the distribution system shall meet the applicable portions of subsection (a) through (l) of OAR 333-061-0050(8).

*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.

A DWS Hydrogeologist has reviewed the proposed well reconstruction scope and offered the following comment for reference:

*“The E. coli contaminated water system (Jack 18834) well is being reconstructed as per the documented best course of action in the Jackson County letter titled Re: Rogue Elk County Park PWS 41-9082 Plan Review.”*

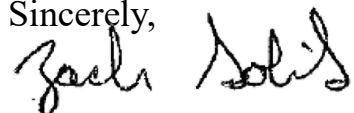
*“The well seal shall be constructed as per OAR-690-210-0150 or the appropriate standard. Note: the documented course of action from Jackson County states the driller will "evaluate drill cuttings and determine if 18 feet is the correct seal depth or 20 feet." (ORWD was consulted 2-2023 and is requiring a minimum casing seal depth of at least 18 feet). The new well construction shall meet all sanitary setback requirements as per OAR 333-061-0050 2aE.”*

*“The original well (Jack 18834) appears to produce from shallow fractures within the basaltic/andesitic rocks of the Roxy Formation of the Little Butte Volcanics. Based on the shallow water bearing zone depth (~20 feet in depth) and the thickness of overlying material; the aquifer is likely fractured unconfined. The new well once completed will be subject to monthly assessment monitoring and possible GWUDI evaluation if water quality problems persist.”*

**Until we receive verification that the conditions have been met and final approval has been issued, the well reconstruction and 4-log disinfection is not approved for use.** Documentation demonstrating how the above conditions were met should reference Plan Review #31-2024 and can be emailed to me at [zachariah.cunningham-golik@oha.oregon.gov](mailto: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  
Rebecca Templin, DWS Springfield  
Tony George, Jackson County Health Department