



May 14th, 2024

Connie Newer
OPRD Loeb State Park
1655 Highway 101
Brookings, OR 91019

**Re: New Well (PR#53-2024)
OPRD Loeb State Park (PWS ID#91019)
Conditional Approval**

Dear Connie Newer:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new well for OPRD Loeb State Park. On April 12th, 2024, DWS received drawing, product data and a plan review fee of \$825.

The project includes the construction of a new groundwater well to replace the existing E.coli contaminated well. The new well will be drilled at the Loeb State Park near Brooking, 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.

Wells-

- Per OAR 333-061-0050(2), the new well's as-built construction shall meet the applicable portions of subsection (A) and (N) of this rule. Upon substantial

completion of the work, provide as-built information (i.e., drawing, photos, testing, etc.) demonstrating how these conditions have been met.

- If the existing contaminated groundwater well (CURR 392), will no longer be used once the new well is operational, coordinate with the Oregon Water Resource Department (OWRD) for the permanent abandonment of the well.

Pumping facilities-

- Per OAR 333-061-0050(7), new well pumps shall meet the applicable portions of subsection (a) through (e) of this rule.

Distribution systems-

- Per OAR 333-061-0050(8), new or modified portions of the distribution associated with any new well work shall meet the applicable portions of subsection (a) through (l) of this rule.

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 new wells construction and has provided the following comments for reference:

“The proposed well will have a casing seal which extends to an approximate depth of 80 feet as per OHA New Supply Well Plan Review Submittal; OHA Water System ID #91-019. Note: The casing seal depth will be dependent upon the lithology encountered during drilling.”

“The previous E. coli contaminated water system well (L78782) appeared to produce from Quaternary unconsolidated sediments (reported as black sand). At a high river stage OHA/Curry County staff reported the well-being <100 feet from the Chetco River. Neighboring section wells (centroid) extending into the marine sedimentary rocks appear to be of varying yield with some reporting negligible yield and dry holes. The new well shall be constructed to meet all applicable well construction standards based on the the depth of water bearing zone and all sanitary setbacks according to OAR 333-061-0050 2aE. Note: According to OHA-DWS groundwater under the direct influence of surface water (GWUDI) aquifer setback criteria, for fractured bedrock the setback distance is 500 feet and ≤ 200 feet for alluvial sediments.”

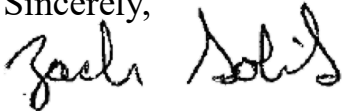
“The proposed well is to be constructed as stated OHA New Supply Well Plan Review

Submittal; OHA Water System ID #91-019. *"A schematic showing the proposed well construction specifications for the new well are included on Figure 3. The well will have an anticipated total depth of 200 ft bgs and a well seal that extends through the alluvial deposits and extend a minimum of 5-feet into the consolidated rock formation consistent with OAR 690-210-0150(1)(A)(a). The proposed well construction is intended to develop groundwater from a depth below the relatively shallow sand and gravels reported in nearby well to depths of around 30 to 75 ft bgs, as to reduce the potential for surface influences on groundwater quality."*

Until we receive verification that the conditions have been met and final approval has been issued, the new well is not approved for use. Documentation demonstrating how the above conditions were met should reference Plan Review #53-2024 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