



PUBLIC HEALTH DIVISION
Center for Health Protection, Drinking Water Services

Tina Kotek, Governor

Oregon
Health
Authority

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May 28th, 2024

Blake Bell
DLF Headquarters West
33080 Red Bridge Road, SE
Albany, OR 97322

**Re: New water system (PR#155-2023)
DLF Headquarter West (PWS ID#95727)
Conditional Approval**

Dear Blake Bell:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new water system for DLF Headquarter West. On March 27th, 2024, DWS received drawings, product data, project direction and a plan review fee of \$825.

The project includes the construction of a new public water system east of Albany, Oregon. The project includes a new groundwater source and distribution system. The project is being adjacent to the existing public water system "DLF Headquarter East". The water systems are not physically connected.

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)(e), 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 new well shall meet the applicable subsection (A) through (N) of this rule. Provide as-built information (i.e., drawings, photos, testing) demonstrating how these rules have been met. Please review additional comments below from the DWS’s Regional Hydrogeologist pertaining to the well’s construction.

Finished Water Storage-

- Per OAR 333-061-0050(6), all new finished water storage shall meet the applicable portions of subsection (a) through (b) of this rule. Provide as-built information (i.e., drawings, photos, testing) demonstrating how these rules have been met.

Pumping Facilities-

- Per OAR 333-061-0050(7), any new pumping facilities shall meet the applicable portions of subsection (a) through (e) of this rule. Provide as-built information (i.e., drawings, photos, testing) demonstrating how these rules have been met.

Distribution systems-

- Per OAR 333-061-0050(8), new and modified distribution systems shall meet the applicable portions of subsection (a) through (l). Provide as-built information (i.e., drawings, photos, testing) demonstrating how these rules have been met.

Capacity Requirements for Public Water Systems-

- Per OAR 333-061-0061, the DLF Headquarters West shall meet the applicable portions of subsection (1) through (4) of this rule. Coordinate applicable public water system capacity requirements with your water system’s direct regulator.

Cross Connection Control Requirements-

- Per OAR 333-061-0070, the water distribution system shall have the necessary cross connection control at areas of high contamination risk per Table 42 of this rule section. Cross connection shall be installed per the applicable subsection (1) through (18) of this rule.

A DWS Regional Hydrogeologist has reviewed the constructed well and offered the following comments for consideration:

“The well was drilled to a depth of 135 feet in May of 2023. A 10 inch borehole extends to a depth of 30 feet, and a 6 inch borehole continues to 135 feet in depth. A 6 inch steel casing was installed to a depth of 119 feet and is sealed to a depth of 30 feet (26 sacks of bentonite utilized and 13.7 calculated). The casing is perforated from 80-118 feet in depth

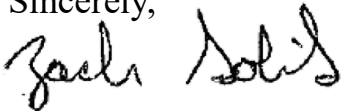
and open from 119 feet-135 feet in depth. The well construction is considered to meet standards in terms of casing depth, casing seal depth, sealant volume and annular spacing.”

“The well is surficially located in what is reported as the Quaternary Willamette silt. The well appears to initially produce from sand and gravel deposits with the initial water bearing zone being reported at 20-110 feet in depth with an additional water bearing zone reported at 130-135 feet in depth in black sand with some gravel. The deeper water bearing zone appears to display pressure with a higher estimated flow rate. Both water bearing zones report the same static water level of 16 feet. The aquifer is considered to likely be semi-confined-confined.”

Until we receive verification that the conditions have been met and final approval has been issued, the new water system is not approved for use. Documentation demonstrating how the above conditions were met should reference Plan Review #155-2023 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
Amy Bleekman, DWS Springfield
Stephen Kirkley, Linn County Health Department