



PUBLIC HEALTH DIVISION
Drinking Water Services

Kate Brown, Governor

Oregon
Health
Authority

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December 16, 2021

Josh Sabota
Josephine County Parks Lake Selmac 2
125 Ringuette Street
Grants Pass, OR 97527

Re: New Well (PR#197-2021)
Josephine Co. Pks. Lake Selmac 2 (PWS ID#94645)
Conditional Approval

Dear Josh Sabota:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the Josephine County Parks Lake Selmac 2 new proposed groundwater well. On December 3, 2021, DWS received land use information, a concept drawing, and a plan review fee of \$825.

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:

Well-

- Per OAR 333-061-0050(2)(a)(B), the area within 100 feet of the well shall be owned by the water supplier, or a perpetual restrictive easement shall be obtained by the water supplier for all land (with the exception of public rights-of-way) within 100 feet of the well. The easement shall be recorded with the county in which the well is located and with the recorded deed to the property. A certified true copy shall be filed with the Authority.
- Per OAR 333-061-0050(2)(a)(D), public or private roadways may be allowed within 100 feet of a confined well, provided the well is protected against contamination from surface runoff or hazardous liquids which may be spilled on the roadway and is protected from unauthorized access.
- Per OAR 333-061-0050(2)(a)(E), sanitary hazards per this rule are not allowed

within 100 feet of a well which serves a public water system unless waived by the Authority.

- Per OAR 333-061-0050(2)(a)(F), Wells shall not be located at sites which are prone to flooding. In cases where the site is subject to flooding, the area around the well shall be mounded, and the top of the well casing shall be extended at least two feet above the anticipated 100-year (1 percent) flood level.
- Per OAR 333-061-0050(2)(a)(G), except as otherwise provided herein, wells shall be constructed in accordance with the general standards for the construction and maintenance of water wells in Oregon as prescribed in OAR chapter 690, divisions 200 through 220.
- Per OAR 333-061-0050(2)(a)(I), before a well is placed into operation as the source of supply at a public water system, laboratory reports as required by OAR 333-061-0036 shall be submitted by the water supplier.
- Per OAR 333-061-0050(2)(a)(J), water obtained from wells which exceed the MCLs shall be treated as outlined in OAR 333-061-0050(4) of this rule.
- Per OAR 333-061-0050(2)(a)(K), the pump installation, piping arrangements, other appurtenances, and well house details at wells which serve as the source of supply for a public water system, shall meet the applicable subsections (i) through (xiii).
- Per OAR 333-061-0050(2)(a)(L), the area in the vicinity of a well, particularly the area uphill or upstream, shall be surveyed by the water supplier to determine the location and nature of any existing or potential public health hazards.
- Per OAR 333-061-0050(2)(a)(N), before a well is placed into operation as the source of supply for a public water system, the following documents in subsection (i) through (v) shall be submitted by the water supplier.

Water Treatment Facilities-

- If existing surface water sources are intended to be discontinued once the new well is approved, the surface water sources will need to be physically disconnected (piping removed) from the existing distribution system at the existing entry point. All existing surface water treatment not determined to be need for the proposed well should be disconnected from the distribution system at the entry point.

Distribution-

- Per OAR 333-061-0050(8), the new distribution system between the proposed well location and connection point to the existing distribution system shall meet all applicable subsections (a) through (l).

Disinfection of Facilities-

- Per OAR 333-061-0050(10), all new and impacted water infrastructure shall disinfected per this section.

A DWS Hydrogeologist has reviewed the proposed well location and generated the following comments:

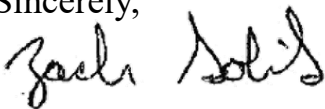
“The proposed well location is surficially mapped as marine sedimentary rocks of the Galice Formation. Based on the proposed location no known wells were located in the same 1/4 section. Neighboring section wells appear to produce from fractured sedimentary bedrock at a depth of 50-100 feet. The proposed location is also located within a draw which appears to have a perennial stream.”

“The new well shall be constructed in accordance with OAR 333-061-0050 (2) (a) (E) and thereby meet all sanitary setbacks to hazards. The well casing seal shall be placed in accordance with OAR 690-210-0150 an upper drill hole, 4 inches greater in diameter than the nominal diameter of the permanent well casing shall be installed, shall extend from the land surface to at least 5 feet into solid, uncreviced, consolidated rock overlying the water bearing rock formation. The depth of well seal shall be dependent upon the lithology encountered during drilling. Well yield may be limited due to the likely fractured nature of the aquifer. An increased drilling depth may be required based upon the local topography and vertical offset compared to reported neighboring section wells.”

Until we receive verification that the conditions have been met and final approval has been issued, the proposed well is not approved for use. Upon completion of the project, the Owner and/or Owner Representative must verify in writing that construction was completed according to the submitted plans. If substantial changes are made, a set of as-built drawings must be submitted. Documentation demonstrating how the above conditions were met should reference Plan Review #197-2021 and can be emailed to me at zachariah.cunningham-golik@dhsosha.state.or.us.

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