



PUBLIC HEALTH DIVISION
Drinking Water Services

Tina Kotek, Governor

Oregon
Health
Authority

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January 12, 2024

Ian Godwin, RG
Staff Hydrogeologist
CwM H2O, LLC
Via email: Igodwin@cwmmh2o.com

**Re: Well #2 (PR#158-2023)
Metro Parks – Oxbow Visitor Center (PWS ID# not yet assigned)
Site Plan Approval**

Dear Ian:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the well for Metro Parks – Oxbow Visitor Center. On December 13, 2023, our office received a submittal with a project summary, site plans, well drilling specifications, water rights information, well logs for Well 1, land use compatibility statement, and a plan review fee of \$825.

The project includes drilling a well to a proposed depth of approximately 125 feet. A stormwater swale is present within approximately 210 feet of the proposed well location.

The new well will serve the visitors center and will have a separate distribution system from the rest of Metro Park – Oxbow. This will create a new public water system for Metro Parks. A new PWS ID will be generated for this system as the project moves forward.

A regional geologist in our program reviewed the proposed well construction. Based on the nearby well logs (MULT1462, MULT2527, MULT256, & MULT79363), the proposed construction of this well appears reasonable. He noted the following, which should be shared with the well driller:

- The proposed target aquifer is within the Troutdale Formation and is estimated to occur at 100 to 150 feet below ground level. The aquifer nature is estimated to be confined.
- The estimated casing seal depth necessary for a properly constructed casing is roughly 50 to 75 feet, depending on the depth of the local confining layer or layer of low permeability.

The project is granted site plan approval. **A land use compatibility statement was submitted with section B signed. This site plan approval letter is contingent on receiving a signature in section A under “is compatible”.** Once construction of the well is complete, please submit:

1. The well driller’s report (well log).
2. Well pumping test information including static water level, pumping rate, drawdown and rate of recovery.
3. Pump information.
4. Raw (Untreated) Water Quality Data including coliform bacteria, nitrate and arsenic. These are to be taken from the new well’s raw water sample tap at the wellhead.
5. Engineered plans that show the above-well structure detail including the well house, concrete slab, drainage, pump-to-waste piping and plans and specifications for connection of the new well to the water system.

Note that DWS may require a ground water under the direct influence of surface water (GWUDI) evaluation based on the location of the stormwater swale, depending on the well log construction details. GWUDI concern setback distances from surface water for coarse-grain deposits such as sands and gravels are no greater than 200 feet unless geologic conditions or monitoring data indicate additional risk. A final determination of GWUDI concern will be made after a well log has been submitted for review.

The above items should reference Plan Review #158-2023 and can be emailed to me at Carrie.L.Gentry@oha.oregon.gov.

If you have any questions, please feel free to call me at (971) 201-9794.

Sincerely,



Carrie Gentry, PE
Regional Engineer
Drinking Water Services

cc: Jenifer George Parish, REHS, Multnomah County Health Department
Tommy Laird, Well Construction Program Coordinator, OWRD
Robert Long, RG, LHG, CWRE, Principal Consultant, CwM-H2O, LLC
Kendra Carrillo, Maintenance Lead, Metro, Kendra.carrillo@oregonmetro.gov