



PUBLIC HEALTH DIVISION  
Drinking Water Services

Tina Kotek, Governor

Oregon  
**Health**  
Authority

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June 4, 2024

Christopher Wick, RG  
Supervising Hydrogeologist  
GSI Water Solutions, Inc.  
Via email: [cwick@gsiws.com](mailto:cwick@gsiws.com)

**Re: Aurora Well 6 (PR#75-2024)**  
**City of Aurora (PWS ID#00067)**  
**Site Plan Approval**

Dear Christopher:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the Well 6 project for City of Aurora. On May 16, 2024, our office received a site plan, well construction specifications, well logs for surround wells, a land use compatibility statement and water rights information. A plan review fee of \$3,300 was paid on May 15, 2024.

The project includes drilling a well to a proposed depth of approximately 300 feet. The water system has a 100-foot radius of control for the well site. An unnamed surface water drainage is present 280 feet northeast of the proposed site.

A regional geologist in our program reviewed the proposed well construction. He noted the following, which should be shared with the well driller:

- Based on the well logs for nearby City of Aurora Wells #3, #4 and #5, the proposed well site occurs in an area dominated by silt/clay layers alternating with sand/gravel layers. The first water-bearing zone is likely to be present within 60 feet of the surface. Additional water-bearing zones are shown to be present at greater depths. The submitted stratigraphic concept for this site is reasonable.
- The estimated aquifer nature is confined.
- The estimated depth of the casing seal is 18 to 130 feet with the final depth dependent on identifying a low permeability layer or series of low permeability layers of sufficient thickness during drilling. The conceptual casing seal depth is reasonable.

**The project is granted site plan approval.** 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, IOC, SOC, VOC and radionuclides. 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.

The above items should reference Plan Review #75-2024 and can be emailed to me at [Carrie.L.Gentry@oha.oregon.gov](mailto:Carrie.L.Gentry@oha.oregon.gov).

Note that given the aquifer materials present in the area, it is less likely that there will be a groundwater under the direct influence of surface water (GWUDI) concern for a well at this location. The analysis of any GWUDI concern will be finalized after a well log has been submitted to our office.

Once final approval is issued, the water system will need to complete 2 six-month rounds of lead and copper tap sampling at the increased number (20) of sample sites.

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: Chantal Wikstrom, REHS, OHA/DWS  
Greg DeBlase, REHS, Marion County Environmental Health  
Mark Gunter, City of Aurora Public Works Superintendent, [pws@ci.aurora.or.us](mailto:pws@ci.aurora.or.us)