



PUBLIC HEALTH DIVISION  
Drinking Water Services

Tina Kotek, Governor

Oregon  
**Health**  
Authority

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May 14, 2024

Casey McGuire  
Project Hydrologist  
GSI Water Solutions, Inc.  
Via email: [cmcguire@gsiws.com](mailto:cmcguire@gsiws.com)

**Re: Well #2 (PR#62-2024)  
Al's Garden Centers & Greenhouses (PWS ID#95673)  
Site Plan Evaluation**

Dear Casey:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the Well 2 project for Al's Garden Centers. On April 18, 2024, our office received a site plan, well construction specifications, land use compatibility statement and water rights information. A plan review fee of \$825 was received on April 23, 2024.

The project includes drilling a well to a proposed depth of 400 feet. The well is located within 100 feet of a parking lot and chemicals are stored in a building that is located within the 100' setback from sanitary hazards. A pond is located within 500' of the well but is being removed this summer.

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 information from nearby well log WASH 11873, the proposed construction appears to be appropriate. The estimated depth to a water-bearing zone is 125 feet. The estimated casing seal depth is 55 feet. The aquifer nature is estimated to be confined.
- If the pond remains, any determination of groundwater under the direct influence of surface water (GWUDI) would be made after the well log is submitted for review. However, based on the nearby well log, the targeted water-bearing zones appear to be within a deep confined aquifer. If the well is adequately constructed per Oregon Water Resources Department (OWRD) construction standards, the water from this well likely

won't be considered susceptible to GWUDI.

A waiver for the setback issue noted above (chemicals stored in building within 100' of the proposed well location) cannot be approved prior to drilling a well. If the well is properly drilled into a confined aquifer, then OHA/DWS may be able to waive the requirement. If the well is not drilled into a confining aquifer, then OHA/DWS may not be able to approve the well for use by the water system.

Due to the setback issue, **the site plan/location cannot be approved at this time.** If a properly constructed confined aquifer well is drilled, please submit:

1. The well driller's report (well log).
2. A waiver request for the above noted setback issues, as appropriate.
3. Well pumping test information including static water level, pumping rate, drawdown and rate of recover.
4. Pump information.
5. 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.
6. 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 reconnection of the well to the water system.
7. Since the well is located within 100' of a road, information must be submitted that demonstrates how 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".

The above items should reference Plan Review #62-2024 and can be emailed to me at [Carrie.L.Gentry@oha.oregon.gov](mailto: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: Nicole Alfafara, OHA/DWS  
Matthew Kohlbecker, RG, Principal Hydrogeologist, GSW Water Solutions, Inc.  
Tommy Laird, Well Construction Program Coordinator, OWRD  
Mark Bigej, Al's Garden, MBigej@als-gardencenter.com