



April 12, 2022

Kenny Janssen, RG  
Principal Hydrogeologist  
GSI Water Solutions, Inc.  
Via email

Re: **Well #3 (PR#31-2022)**  
**City of Donald (PWS ID#00259)**  
**Site Plan Evaluation**

Dear Mr. Janssen:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new well for City of Donald. On February 24, 2022, our office received a narrative, site plan, proposed well specifications, water rights information and a land use compatibility statement. A plan review fee of \$3,300 was received on February 28, 2022.

The project includes drilling a well to a proposed depth of 200 feet. The site plan and narrative provided show that the water system does not have the required 100-foot radius of control.

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 well logs MARI562 and MARI563, the estimated depth to the first water-bearing zone is 100 feet, and approximately 170 feet to the primary water-bearing zone within the aquifer.
- The aquifer is estimated to be confined.
- The proposed estimated 50-foot depth of the casing seal exceeds Water Resources Department standards and would likely be more protective of the aquifer.

As noted above, the 100-foot radius of control requirement is not met. A waiver for the radius of control issue 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 radius of control 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. 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. A waiver request for the 100-foot radius of control issue.
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 connection of the new well to the water system.

The above items should reference Plan Review #31-2022 and can be emailed to me at [Carrie.L.Gentry@dhsosha.state.or.us](mailto:Carrie.L.Gentry@dhsosha.state.or.us) or mailed to:

Attn: Carrie Gentry  
OHA-Oregon Drinking Water Program  
PO Box 14450  
Portland, OR 97293-0450

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

Sincerely,



Carrie Gentry, PE  
Regional Engineer  
Drinking Water Services

ec: Chantal Wikstrom, OHA/DWS  
Greg DeBlase, REHS, Marion County Health Department  
Max Huxley, PE, City Engineer, Tetra Tech  
Alonso Limones, Public Works Director, City of Donald