

February 21, 2025

Alex Bargmeyer, PE  
Professional Engineer  
Conсор Engineers, LLC  
Via email: Alex.Bargmeyer@consoreng.com

**Re: Well 10 (PR#14-2025)  
City of Fairview (PWS ID#00296)  
Site Plan Evaluation**

**SRF Project SD-22-336**

Dear Alex:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new well and treatment for City of Fairview. On January 27<sup>th</sup>, 2025, our office received a site plan, well logs for nearby wells, water rights information, land use compatibility statement with section B checked/signed, plans, specifications and a waiver application. A plan review fee of \$4,125 was also received.

The project includes drilling a new production well, installing residual maintenance and corrosion control, a mechanical/treatment building and associated items to connect the new well to the existing distribution system. The water system does not have the required 100-foot radius of control around the well. A surface water source (Fairview Creek) is located approximately 145 feet from the proposed well location.

**Due to the radius of control issue, the site plan/location cannot be approved at this time.**

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 or is determined to have low sensitivity/susceptibility based on construction and aquifer characteristics, then OHA/DWS may be able to waive the requirement. If the well is not drilled into a confining aquifer or has high sensitivity/susceptibility based on construction and aquifer characteristics, then OHA/DWS may not be able to approve the well for use by the water system.

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

- The target aquifer for the proposed well is the Sand and Gravel Aquifer, estimated to be roughly 500-feet below ground level based on USGS WRI Report 90-4196. A review of the report indicates that the preliminary well design printed as Exhibit B in the Well 10 Plan Review document appears reasonable.
- The Sand & Gravel Aquifer is likely to display confined hydraulic characteristics at this location.
- Given the likelihood that the well will capture water from a deep confined aquifer, it is less likely that there will be a Groundwater Under the Direct Influence of Surface Water (GWUDI) concern. Final GWUDI evaluation will be made by OHA/DWS after a well log has been submitted for review.

**If a properly constructed confined aquifer well is drilled, please submit:**

- The well driller's report (well log).
- A waiver request for the above noted setback issues, as appropriate. The waiver form that was submitted did not have the "describe" sections on the first page filled out.
- Well pumping test information including static water level, pumping rate, drawdown and rate of recovery.
- Raw (Untreated) Water Quality Data including coliform bacteria, IOCs (including nitrate, nitrite and arsenic), SOCs, VOCs and radionuclides. These are to be taken from the new well's raw water sample tap at the wellhead.
- Section A of the Land Use Compatibility Statement (LUCS) must indicate the project "is" compatible and the form must be resubmitted prior to above ground construction starting. Note that the future conditional approval letter will only be valid with a signed LUCS as indicated above.

Once the well is drilled, our review of the above ground well design will be included in a conditional approval letter. This includes the review of the proposed treatment and associated equipment. Based on a brief look at the plans, I'd note that the pitless cap must be vented.

The above items should reference Plan Review #14-2025 and can be emailed to me at [Carrie.L.Gentry@oha.oregon.gov](mailto:Carrie.L.Gentry@oha.oregon.gov).

Note that increased lead and copper sampling will be required once final approval is issued. The water system will be required to conduct two 6-month rounds at 40 sample sites with the new well in use. Additional chemical monitoring schedules will be established in the final approval letter.

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

Sincerely,



Carrie Gentry, PE  
Regional Engineer  
OHA-Drinking Water Services  
Carrie.L.Gentry@oha.oregon.gov

cc: Tommy Laird, Well Construction Program Coordinator  
John Niiyama, Public Works Director, City of Fairview  
Matt Mattia, Regional Project Manager, Business Oregon