



20 October 2022

Darryl Sykes  
City of Scappoose  
33568 East Columbia Avenue  
Scappoose Oregon 97056

*via email*

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peter.r.farrelly@oha.oregon.gov

**Re: Dutch Canyon Well #3, Plan Review #148-2022  
City of Scappoose, WS ID #00792  
Site Plan Approval**

Dear Mr. Sykes:

Thank you for your submittal of plan review information to the Oregon Health Authority's Drinking Water Services (DWS) for Dutch Canyon Well #3 for the City of Scappoose. On 3 October 2022 DWS received a narrative and diagram of the proposed well construction, site plan of the well's proposed location with distances to sanitary hazards, a Land Use Compatibility Statement approved by the City of Scappoose, and a copy of water rights Permit G-17643. The proposed 230-foot deep well will be just a few dozen feet south of the existing Dutch Canyon well building. **DWS has reviewed the well design and site plan and approves of the well's proposed construction.** (Per OAR 333-061-0050(2)(a)(F), the radius of control by the City may be reduced to 50 feet, as the area of the well is served by a gravity sewer system.)

**Drilling of the well may proceed.**

The DWS hydrogeologist has reviewed the well design and site plan with the following comments:

- Based on the well logs for existing wells – COLU100 & COLU55512 – the first water-bearing zone appears to be present at an approximate depth of 60 feet and appears to be composed of materials that vary from mixed sand and gravel to silty sand.
- The proposed casing seal depth is likely to be more protective than the minimum requirements.
- It is DWS's opinion that the two existing Dutch Canyon Wells are considered to be unconfined. Given their proximity to the proposed well site, they may represent a hydraulic connection between shallower and deeper water-bearing zones within the local aquifer unless it is shown that there is no drawdown interference between the wells.

Upon completion of the well, please submit the following to DWS for review:

- OWRD well drillers report for the well
- Aquifer stress test or pump test on the well
- Wellhead detail showing a sample tap, pump to waste piping, a screened vent, etc
- Detail of any wellhouse showing that it is lockable
- Plan or diagram showing how the well will be connected to the water system
- Plans for any new, proposed treatment, if applicable, and
- Water quality analyses from a sample tap at the new wellhead for the following:
  - Coliform bacteria
  - Nitrate and Arsenic
  - Inorganic Compounds, Synthetic Organic Compounds, and Volatile Organic Compounds, and
  - Radionuclides (gross alpha, Radium 226/228, and uranium)

If you have any questions or concerns, or would like this in an alternate format, please contact me at the contact information above. Your cooperation is appreciated.

Sincerely,



Pete Farrelly, P.E.  
Regional Engineer  
Drinking Water Services

ec: [Robyn Cook](#), RG, CWRE, GSI Water Solutions  
[Melissa Girbach](#), GSI Water Solutions