

February 19, 2025

Jessie Cain
Matthew Kohlbecker, RG
GSI Water Solutions
650 NE Holladay Street, Suite 900
Portland, Oregon 97232

**Re: New Well ASR-3, Plan Review #166-2024, City of Hermiston, PWS ID# 4100372
Site Plan Approval**

Dear Jessie and Matthew:

Thank you for your submittal of plan review information for the proposed new ASR-3 well at City of Hermiston to the Oregon Health Authority's Drinking Water Services (DWS). On December 10, 2024, our office received a site plan, specifications, a Land Use Compatibility Statement, other related documents, and the review fee of \$3300 for the proposed well. The project consists of drilling a new well that will be used for aquifer storage and recovery. **The site plan has been reviewed and is approved.**

A DWS hydrogeologist has reviewed the proposed well construction and provided the following comments:

The estimated depth to the first water bearing zone in a confined aquifer below the grout seal is ~716 feet below ground surface (ft bgs). The proposed well will extend to an estimated depth of 1,500 ft bgs and will be continuously sealed to a depth of 710 ft bgs into the Wanapum basalt. The well will draw from multiple water bearing zones. The proposed well construction appears to meet the Oregon Water Resources Department's (OWRD) minimum construction standards. DWS recommends that the city and driller consult with OWRD prior to drilling and final seal placement since the proposed well is located in the Stage Gulch Critical Groundwater Area and the well will intersect multiple water bearing zones.

I also have the following comments:

- I note that ASR limited licence application #030 has been submitted to OWRD.

- I note that the following water rights are associated with the proposed well: Certificate #87368 and Transfer #T-11254 related to Certificate #79889.
- It is my understanding that plans for the well head piping, appurtenances, and transmission line will be submitted sometime in the future.

After the proposed well is drilled, please submit the following:

1. The well driller's report (well log).
2. Pump test information including static water level, pumping rate, and drawdown/rate of recovery information.
3. The make/model of the well pump and the depth the pump bowls are set.
4. Reports from an Oregon certified lab of raw (untreated) water quality, including: coliform bacteria, sets of Inorganic Chemicals (IOCs), Volatile Organic Chemicals (VOCs), Synthetic Organic Chemicals (SOCs), and Radionuclides which includes Gross Alpha, Combined Radium 226/228, and Uranium. These samples are to be collected from the new well's raw water sample tap at the well head.

Until verification is received that the project was completed according to the plans and Final Approval is granted for the project, the new well is not approved for use. If you have any questions or would like this in an alternate format, please feel free to call me at (541) 966-0900 or email at william.h.goss@oha.oregon.gov.

Sincerely,



William Goss, PE
Regional Engineer

c: Julie Wray, OHA – Drinking Water Services

Roy Bicknell, City of Hermiston

Mark Morgan, City of Hermiston

Tommy Laird, Water Resources Department (pdf copy only)

Greg Silbernagel, Water Resources Department (pdf copy only)

Shaun Finn, Water Resources Department (pdf copy only)