

Oregon Department of Environmental Quality Memorandum

Date: Aug. 4, 2023.
To: Dan Wiltse, Regional Onsite Wastewater Specialist.
From: David Cole, RG, Senior Hydrogeologist.
Subject: Groundwater Impact Assessment for Oregon Cascade RV Co-Op, Lane County.

BACKGROUND AND SUMMARY

I have completed a review of the Groundwater Study that GSI Water Solutions, Inc. prepared for Shawn McFadden, of Oregon Cascade RV Co-Op. Matthew Kohlbecker, (RG, #2248), prepared and submitted the report, which is dated May 31, 2023. Subsequent to my July 17, 2023 review, the consultant submitted a revised report, dated July 28, 2023, based on my original recommendations.

The existing septic system serves 52 full hookup RV spaces, 11 mobile home spaces, a coin operated laundry facility, and a shower facility. The facility owner plans to replace the septic system. The proposed upgraded facility has a peak daily design flow of 7,000 gallons.

The groundwater study used the Large Onsite Septic System (LOSS) model, which the Washington State Department of Ecology developed, to estimate the potential impact the project would have on groundwater quality.

Section 2 of the report (Model Input Parameters) describes how the consultant arrived at the model input parameters. The May 31, 2023 report referred to Attachment B numerous times when referencing several input parameters, such as distance from the downgradient edge of the drainfield to the property boundary and the drainfield distance perpendicular to the groundwater flow direction. Attachment B was very cluttered, with many non-essential notes and numbers. Furthermore, critical model input parameters referred in the text were not on the attachment, or were illegible. The revised report, dated July 28, 2023, added a Figure 1, which supplied the information I recommended in my July 17, 2023 review memo.

APPROVAL

I approve the revised report, as submitted.