

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13922

GW Reviewer Joe Kemper Date Review Completed: 1/12/2023

Summary of Same Source Review:

☐ The proposed change in point of appropriation is not within the same aquifer as per OAR 690-380-2110(2).

Summary of Injury Review:

☐ The proposed transfer will result in another, existing water right not receiving previously available water to which it is legally entitled or result in significant interference with a surface water source as per 690-380-0100(3).

Summary of GW-SW Transfer Similarity Review:

☐ The proposed SW-GW transfer doesn't meet the definition of "similarly" as per OAR 690-380-2130.

This is only a summary. Documentation is attached and should be read thoroughly to understand the basis for determinations.



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Ground Water Review Form:

- ☒ Water Right Transfer
☐ Permit Amendment
☐ GR Modification
☐ Other

Application: T-13922

Applicant Name: Guy Delude

Proposed Changes: ☐ POA ☒ APOA ☐ SW→GW ☒ RA
☐ USE ☐ POU ☐ OTHER

Reviewer(s): Joe Kemper

Date of Review: 1/12/2023

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 8/3/23

The information provided in the application is insufficient to evaluate whether the proposed transfer may be approved because:

- ☐ The water well reports provided with the application do not correspond to the water rights affected by the transfer.
- ☐ The application does not include water well reports or a description of the well construction details sufficient to establish the ground water body developed or proposed to be developed.
- ☐ Other _____

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1. Basic description of the changes proposed in this transfer: The applicant proposes to add DESC 62924 as an APOA to certificate 87449, which provides irrigation of 2 acres from a single well, DESC 2380.
 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: DESC 2380 is 208 feet deep and accesses groundwater hosted in the mixed volcanics and sediment of the Deschutes Formation. Located less than 50 feet from DESC 2380, DESC 62924 is 265 feet deep and accesses the same regional aquifer hosted within the Deschutes Formation.
 3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
☐ Yes ☒ No _____
b) If yes, estimate the portion of the right supplied by each of the sources and describe any limitations that will need to be placed on the proposed change (rate, duty, etc.): _____
 4. a) Will this proposed change, at its maximum allowed rate of use, likely result in an increase in interference with **another ground water right**?
☒ Yes ☐ No Comments: As a general concept, moving groundwater pumpage closer to an existing well will likely increase interference with that well. The proposed change does move groundwater production closer to wells supplying adjacent tax lots to the west.
b) If yes, would this proposed change, at its maximum allowed rate of use, likely result in another groundwater right not receiving the water to which it is legally entitled?

☐ Yes ☒ No If yes, explain: The change in well location is very small (<50 feet), the maximum permitted pumping rate is 0.025 cfs, and the target aquifer has a saturated thickness of at least 300-400 feet in this part of the basin (see DESC 58362 and DESC 61447). Considering those facts and the high storage and permeability of the Deschutes Formation, any increase in well-to-well interference is expected to be much less than would be considered substantial or undue interference.

5. a) Will this proposed change, at its maximum allowed rate of use, likely result in an increase in interference with **another surface water source**?

☐ Yes ☒ No Comments: The current and proposed POAs intercept groundwater flowpaths that discharge to the Crooked River approximately 2 miles to the north. The relative change in location of groundwater production is negligible in the context of those distances. No change in interference with surface water is expected.

b) If yes, at its maximum allowed rate of use, what is the expected change in degree of interference with any **surface water sources** resulting from the proposed change?

Stream: _____

☐ Minimal ☐ Significant

Stream: _____

☐ Minimal ☐ Significant

Provide context for minimal/significant impact: _____

6. For SW-GW transfers, will the proposed change in point of diversion affect the surface water source similarly (as per OAR 690-380-2130) to the authorized point of diversion specified in the water use subject to transfer?

☐ Yes ☐ No Comments: NA

7. What conditions or other changes in the application are necessary to address any potential issues identified above: NA

8. Any additional comments: NA

Transfer Map

