

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13819

GW Reviewer Joe Kemper Date Review Completed: 10/6/2023

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-13819

Applicant Name: Terrebonne Domestic Water District

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

Reviewer(s): Joe Kemper

Date of Review: 10/6/2023

Date Reviewed by GW Mgr. and Returned to WRSD: _____

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 _____

1. Basic description of the changes proposed in this transfer: Originating permit G-11608 authorizes 0.1114 cfs of expanded domestic use from POA DESC 9656. This transfer proposes to change the place of use (not evaluated here) and add two APOAs (see table below).

Name	Status	GWIS LOGID	Well Tag	TRS QQ	Surveyed Location
Well	Authorized	DESC 9656	L-9894	14S/13E-16 SE-NW	2803'N, 1585 E fr SW cor S 16
Well #3	Proposed	DESC 52862	L-32860	14S/13E-16 SE-SW	1130' N, 1360' E fr SW cor S 16
Well #4	Proposed	DESC 58362	L-91780	14S/13E-16 SE-SW	1086' N, 1406' E fr SW cor S 16

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: The authorized well, DESC 9656, accesses mixed volcanics and ancestral alluvial facies of the Deschutes Formation to a depth of 282 feet. The APOAs both access mixed volcanics of the Deschutes Formation to a depth of 590 feet. The APOAs are located approximately 1700 feet to the south. All three wells access the Deschutes regional groundwater system that discharges to the Deschutes and Crooked River confluence area.
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.): NA
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: This change will move groundwater production 1700 feet to the south which will increase well-to-well interference with wells in that area.
- 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: Considering the high permeability, storage, and thickness of the Deschutes Formation in this area, it is unlikely that any well-to-well interference would be high enough magnitude to be considered substantial or undue interference. Additionally, the adjacent tax lots are supplied by the applicant. The closest POAs are also owned and operated by the applicant.
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 APOAs are located slightly further from the authorized POA the regional groundwater discharge point near the confluence of the Deschutes and Crooked Rivers. Changing the depth and location of groundwater pumped may create slight timing differences of any streamflow depletion. Assuming that there is no increase in volume pumped, the proposed changes would not increase any surface water interference.
- 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: see above.
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: _____
7. What conditions or other changes in the application are necessary to address any potential issues identified above: _____
8. Any additional comments: _____

Transfer Map

