

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13320

GW Reviewer J. Hackett Date Review Completed: July 31, 2020

Summary of Enlargement (Same Source) Review:

The proposed transfer fails to keep the original place of use from receiving water from the same source.

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.

Summary of 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-13320

Applicant Name: Oregon State University

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

Reviewer(s): J. Hackett

Date of Review: July 31, 2020

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 7/31/2020

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 application proposes to modify certificate 60433 which lists a single authorized POA (LINN 10536) for primary irrigation of 44.66 acres and supplemental irrigation of 65.40 acres at a maximum rate of 0.891 cfs (400 gpm). The proposed modifications are to correct the location of the authorized POA and to add four additional POAs, existing wells BENT 4678, BENT 4675, LINN 63179, and LINN 54464, so that all 5 wells can be used in rotation as convenient.
 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: All 5 wells are of similar depth (31-40 feet) and produce from the Holocene floodplain aquifer.
 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: Two of the proposed APOAs, BENT 4678 AND BENT 4675 will be a few hundred feet closer to several nearby wells on other rights (LINN 15090 on certificate 32608 and LINN 10527 on GR-1641) but still at distances no less than about 1500 feet. The Holocene floodplain aquifer is unconfined and highly transmissive so cones of depression will be broad but very shallow. Hydraulic interference will also be buffered by the presence of nearby surface water bodies (Owl Creek and the East Channel of the Willamette River) that are hydraulically connected to the aquifer. All of these factors indicate that any increase in hydraulic interference is likely to negligible at these distances.
- 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: _____
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: Two of the proposed APOAs, BENT 4678 AND BENT 4675 will be a few hundred feet closer to Owl Creek.
- 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: Owl Creek Minimal Significant
Stream: _____ Minimal Significant
Provide context for minimal/significant impact: Although two of the proposed APOAs will be a few hundred feet closer to the Owl Creek, additional impacts to the stream are expected to be minor because the aquifer is unconfined and highly transmissive and because the changes in distances to the stream are relatively small.
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: _____

Well Location Map

T-13320, Oregon State University

1:10,000 scale

