

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14486

GW Reviewer Grayson Fish Date Review Completed: 7/22/2024

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-14486

Applicant Name: Scott and Margie Runels

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

Reviewer(s): Grayson Fish

Date of Review: 7/22/2024

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: The applicant proposes to change the point of appropriation from authorized POA Well 1 (KLAM 58399) associated with Certificate 67653 to a proposed POA Well 2 that has not been constructed at this time.

Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: The well report associated with POA Well 1 appears to be KLAM 58399. The well report was generated by Water Resources Department staff and complies known construction details about the well. The total depth for KLAM 58399 is listed as 535 feet below land surface. The proposed construction details for Well 2 provided by the applicant list a completion depth of 520 feet below land surface and a seal depth of 290 feet below land surface with an intended source aquifer of "Basalt". Nearby well reports encounter basalt approximately 300 feet below land surface elevation. Given the depths of both the authorized POA, proposed POA and the expected depth to volcanic rock (basalt), both the POA will develop the same source.

2. 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.): _____

3. 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: The proposed location of proposed POA Well 2 is located approximately 170 feet to the southeast of authorized POA Well 1. This relatively minor change in location combined with the high transmissivity expected in the volcanic rocks which the well will source water from, is unlikely to result in an increase in interference with another groundwater right.
- 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: N/A
4. 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 closest surface water source is Scott Creek, located approximately 1 mile to the north-northwest of authorized POA Well 1. The proposed location of POA Well 2 is located approximately 170 feet to the southeast of authorized POA Well 1. The increase in distance between the proposed POA Well 2 and Scott Creek is unlikely to result in an increase in interference. However, the reduction in distance between Sand Creek (located approximately 1.25 miles to the south of the POA) and the proposed POA Well 2 is likely to result in an increase in interference with surface water.
- 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: Sand Creek Minimal Significant
Stream: _____ Minimal Significant
Provide context for minimal/significant impact: The relatively minor change in location of proposed POA Well 2 is expected to result in a minimal increase in interference when compared to what would already be occurring as a result of authorized use from POA Well 1.
5. 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: N/A
6. What conditions or other changes in the application are necessary to address any potential issues identified above: _____
7. Any additional comments: If water is sourced from competent volcanic rocks at depth, the proposed POA Well 2 should be cased and sealed to meet the requirements of OAR 690-210-0150, Sealing of Water Supply Wells in Consolidated Formations.

