Groundwater Transfer Review Summary Form

Transfer/PA # T- _13424_

GW Reviewer _M. Thoma_ **Date Review Completed: _09/23/2020_**

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-13424 Applicant Name: Harter

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

Reviewer(s): M. Thoma Date of Review: 09/23/2020

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 9/25/2020

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 applicants propose to modify a total of five (5) certificates: Cert. 88113, 22847, 83328, 33176, 87897. Modification of all five permits involves a Place of Use change, which will not be addressed in this review. The applicant further proposes a change in POA on Cert. 22847 of 20 acres from the original POA ("From POA": KLAM0002289) to two existing wells ("To POA #2": KLAM0050445 and "To POA #3": KLAM0010082) being 17.8 acres to KLAM0050445 and 2.2 acres to KLAM0010082. Both the new POAs are authorized on existing certificates Cert. 83328 and Cert. 87897.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
   ☒ Yes ☐ No Comments: All three of the wells addressed on this application are producing from mixed volcanic sediments/flows underlying the Swan Lake Valley. Although there may be some minor structural influences (e.g., faults) on groundwater movement within the aquifer system, it is considered continuous between the three wells under consideration.

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: The proposed change would increase the amount of water produced from KLAM0010082 and KLAM0050445. These two wells are closer to some existing permitted groundwater POAs, the nearest of which is approximately 5770 ft from KLAM0010082 but 10,780 ft from KLAM0002289. The increase in rate at the two POAs would increase interreference with existing groundwater rights.

   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: The proposed change would increase the rate of appropriation at the two wells: KLAM0010082 and KLAM0050445, both of which are closer to Anderson Creek and Edgewood Creek, which are sources of water for existing surface water rights.

   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: Anderson Creek ☒ Minimal ☐ Significant

   Stream: Edgewood Creek ☒ Minimal ☐ Significant

   Provide context for minimal/significant impact: The wells are producing from layers beneath what can be considered a substantial fine-sediment layer (e.g., clay or sandstone) that will buffer the interference to surface water sources even considering the change in distance. Furthermore, the nearest points to both creeks from the wells is after the creeks enter the valley floor where they likely are above the water level in the aquifer for much of the irrigation season

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 Review Map