

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 13293

GW Reviewer Phil Marcy Date Review Completed: 04/13/2020

## 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-13293

Applicant Name: Oregon Department of Corrections

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

Reviewer(s): Phillip I. Marcy

Date of Review: 04/13/2020

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 4/21/2020

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 \_\_\_\_\_

1. Basic description of the changes proposed in this transfer: The applicant proposes to modify character of use, place of use, and authorized point(s) of appropriation on claim GR-690 from well MARI 9612 to three new wells. There are 5 proposed locations for new POAs, but only three will be constructed. The currently authorized use under GR-690 is domestic, and the applicant wishes to use the proposed POAs for irrigation of 53.5 acres.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?  
☒ Yes ☐ No Comments: The proposed POA wells are slated to produce from alluvium from 50-120' below land surface (BLS). Though the existing authorized POA well is cased into basalt, it appears likely to produce water from alluvial gravels from 37-52' BLS, possibly in addition to underlying basalt. There is no information regarding seal depth or existence on the well log, and measured water level within the well suggests it is coincident with other alluvial and basalt wells nearby (see attached hydrograph). Considering available water level data in the area, there is no distinctive, consistent difference in heads between the alluvial system, and the upper portions of the Grande Ronde basalt sequence, suggesting that these units are well connected hydraulically. Therefore, all units penetrated by the authorized POA appear to be part of the alluvial system.

3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?  
☐ Yes ☒ No As stated above, it is likely that the existing authorized POA (MARI 9612) produces groundwater from both basalt and alluvium as currently constructed, but these are likely well-connected in this setting, therefore production is from the alluvial aquifer system.
- 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.): The proportion of groundwater production from each aquifer material cannot be estimated with the available data. If this transfer is approved, it is recommended that all authorized POA wells be constructed (as proposed) to produce from only alluvium.
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 POA well locations are not significantly closer to any neighboring 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: NA
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 POA locations are not significantly closer to any surface water source.
- 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: NA ☐ Minimal ☐ Significant  
Stream: NA ☐ 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: All POA wells are proposed to produce groundwater from alluvium, and if this transfer is approved, it shall be conditioned to ensure that when additional wells are constructed, they shall not produce from basalt.
8. Any additional comments: \_\_\_\_\_







