

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14492 (RA)

GW Reviewer Travis Brown Date Review Completed: 10/7/2024

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-14492

Applicant Name: Mitchell Regal

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

Reviewer(s): Travis Brown

Date of Review: 10/7/2024

Date Returned to WRSD: 10/7/2024

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: Applicant proposes to add 2 POA, “Well 3” (YAMH 59370) and “Well 4” (Not Drilled), to Permit G-18315, which currently authorizes Irrigation of 76.3 acres at a maximum rate of 0.11 cfs from 2 POA, Well 1 (YAMH 53959) and Well 2 (Not Drilled). Permit G-18315 has a seasonally-variable rate, with a maximum rate of 0.11 cfs from March 1 – May 31 and 0.0518 cfs June 1 – October 31, to reduce the potential for substantial interference with Russell and Beaver Creeks.
 2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: The authorized and proposed POA all tap the fractured marine sedimentary rock aquifer system (Wells et al., 2020).
 3. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No Comments: The authorized POA all tap the fractured marine sedimentary rock aquifer system (Wells et al., 2020).
 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.): N/A

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 APOA are not substantially closer to any known neighboring water wells. Therefore, no appreciable increase in interference with neighboring wells is anticipated. However, well-to-well interference in fractured rock systems can be highly variable and difficult to predict depending on the orientation, density, and interconnectedness of water-bearing fractures.
- 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
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 APOA are not substantially closer to nearby surface water sources. Therefore, no appreciable increase in interference with nearby surface water is anticipated. However, surface water interference in fractured rock systems can be highly variable and difficult to predict depending on the orientation, density, and interconnectedness of water-bearing fractures.
- 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
 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: _____
7. What conditions or other changes in the application are necessary to address any potential issues identified above: _____
8. Any additional comments: _____

References

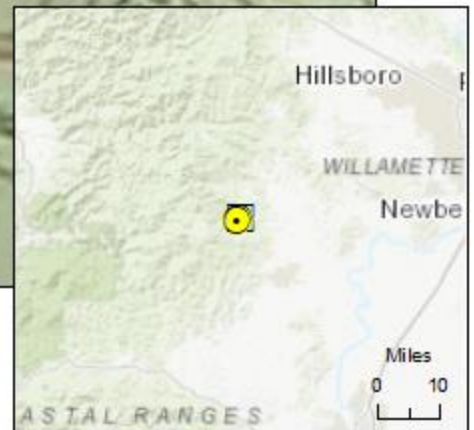
Application File: G-18730, T-14492

Permit: G-18315

Wells, R., Haugerud, R.A., Niem, A.R., Niem, W.A., Ma, L., Evarts, R.C., O'Connor, J.E., Madin, I.P., Sherrod, D.R., Beeson, M.H., Tolan, T.L., Wheeler, K.L., Hanson, W.B., and Sawlan, M.G., 2020, Geologic map of the greater Portland metropolitan area and surrounding region, Oregon and Washington: U.S. Geological Survey Scientific Investigations Map 3443, pamphlet 55 p., 2 sheets, scale 1:63,360.

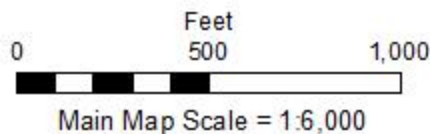
Well Location Map

T-14492



Legend

- Authorized POA (blue square)
- Proposed APOA (yellow circle)



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