

Groundwater Transfer Review Summary Form

Transfer/PA # T- 13826

GW Reviewer Joe Kemper Date Review Completed: 10/19/2023

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-13826

Applicant Name: City of Prineville

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

Reviewer(s): Joe Kemper

Date of Review: 10/19/2023

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 City of Prineville seeks to add 3 APOAs to two of their existing permits. Permit G-17577 authorizes 1.715 cfs of municipal use limited to 1242 AF per year from 4 wells. Permit G-18155 authorizes 8.02 cfs of municipal use from 4 drilled wells and 5 proposed wells. This transfer would add the same three APOAs to both of those permits.
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: All current POAs develop groundwater from the Deschutes regional groundwater system. The proposed APOAs would develop from the same source. Wells on permit G-18155 are located in three separate areas: the airport zone, adjacent to Dry River, and adjacent to Redmond. The original groundwater review for application G-16900 limited total pumping rates in those three zones, which is reflected in the current permit language. The proposed APOAs in this transfer are all located within the airport zone. If this transfer is approved, the APOAs should also be included in the total pumping rate limitation for the airport zone (2.23 cfs or 1000 gpm). In other words, Airport Well 1, Airport Well 2, Millican Well, Heliport Well, Well A, Well B, and Well C should all be limited to a total pumping rate of 2.23 cfs. All wells on permit G-17577 are located within the airport zone and have no specific rate limitations, so the above language would not apply to that portion of this transfer.
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.): See language above regarding rate limitations on three APOAs.
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: Assuming that there is no increase in total appropriation from the airport area, there would be no measurable change to interference with adjacent groundwater users considering the relative proximity of the APOAs to the current permitted wells.
- 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: Assuming that there is no increase in total appropriation from the airport area, there would be no measurable change to surface water interference because of the regional nature of the groundwater system and the relative proximity of the APOAs to the current permitted wells.
- 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: NA
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: NA
8. Any additional comments: Reiterating the comments in item 2 above, the three APOAs should be included in the rate limitation for the airport area wells that is outlined in permit G-18155. Stated plainly, the changes to permit G-18155 should allow no more than 2.23 cfs pumped from Airport Well 1, Airport Well 2, Millican Well, Heliport Well, Well A, Well B, and Well C.

Well Tables

Wells on Permit G-17577

Name	Status	GWIS LOGID	Well Tag	TRS QQ	Surveyed Location	Rate Limit (cfs)
Airport Well 1	Authorized	CROO 1894	105198	15S/15E-11 SE-SW	1210' N, 1950' E fr SW cor section 11	1.715
Airport Well 2	Authorized	CROO 53453	89932	15S/15E-11 SE-SW	1165' N, 1990' E fr SW cor section 11	
Millican Well aka Airport Well 3	Authorized	CROO 53956	108444	15S/15E-11 SW-SE	55' N, 3000' E fr SW cor section 11	
Heliport Well aka Airport Well 4	Authorized	CROO 54191	114180	15S/15E-11 SE-SW	1070' N, 1710' E fr SW cor section 11	
Well A	Proposed	Not yet drilled		15S/15E-11 SE-SW	1300' N, 2570' E fr SW cor section 11	
Well B	Proposed	Not yet drilled		15S/15E-11 NW-SE	1620' N, 2690' E fr SW cor section 11	
Well C	Proposed	Not yet drilled		15S/15E-11 NW-SE	1930' N, 3350' E fr SW cor section 11	

Wells on Permit G-18155

Name	Status	GWIS LOGID	Well Tag	TRS QQ	Surveyed Location	Rate Limit (cfs)
Airport Well 1	Authorized	CROO 1894	105198	15S/15E-11 SE-SW	1210' N, 1950' E fr SW cor section 11	2.23
Airport Well 2	Authorized	CROO 53453	89932	15S/15E-11 SE-SW	1165' N, 1990' E fr SW cor section 11	
Millican Well aka Airport Well 3	Authorized	CROO 53956	108444	15S/15E-11 SW-SE	55' N, 3000' E fr SW cor section 11	
Heliport Well aka Airport Well 4	Authorized	CROO 54191	114180	15S/15E-11 SE-SW	1070' N, 1710' E fr SW cor section 11	
Well 5	Authorized	PROP 177		15S/14E-26 NW-NE	319' S, 2408' W fr NE cor section 26	1.11
Well 6	Authorized	PROP 185		15S/14E-26 NW-NE	835' S, 2477' W fr NE cor section 26	
Well 7	Authorized	PROP 186		15S/15E-6 NE-SW	2000' N, 2340' E fr SW cor section 6	2.23
Well 8	Authorized	PROP 179		15S/13E-23 NE-NW	110' S, 1870' E fr NW cor section 23	None
Well 9	Authorized	PROP 178		15S/13E-23 NE-NW	100' S, 2470' E fr NW cor section 23	None
Well A	Proposed	Not yet drilled		15S/15E-11 SE-SW	1300' N, 2570' E fr SW cor section 11	2.23 w/ wells 1-4
Well B	Proposed	Not yet drilled		15S/15E-11 NW-SE	1620' N, 2690' E fr SW cor section 11	
Well C	Proposed	Not yet drilled		15S/15E-11 NW-SE	1930' N, 3350' E fr SW cor section 11	

Transfer Map

