

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 13313 (RA)

GW Reviewer Travis Brown Date Review Completed: 11/18/2020

## 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-13313

Applicant Name: City of Salem

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

Reviewer(s): Travis Brown

Date of Review: 11/18/2020

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 11/20/20

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 add 2 Additional Points of Appropriation (APOA) to Certificate 91526\*, which currently authorizes up to 30.0 cfs year-round for Municipal Use from 1 POA, an infiltration gallery/collector well ("Collector Well 1"/LINN 2676) at the Stayton Island treatment facility on the North Santiam River. The 2 APOA will also be collector wells located at the same facility. This application is being evaluated simultaneously with contemporaneous GR modification applications T-13312, T-13314, T-13315, and T-13316 (which also involve the authorized and proposed POA) to appropriately consider potential impacts to the groundwater resource and nearby groundwater and surface water rights.
  2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?  
 Yes     No    Comments: The current POA ("Collector Well 1"/LINN 2676) is ~12.5 ft deep and produces from the saturated alluvium underlying and adjacent to the North Santiam River. The proposed APOA will be nearby and will be less than 50 ft deep.
  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.): 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 authorized and proposed POA locations are on an island between two channels of the North Santiam River and produce from shallow alluvium which is very hydraulically connected to surface water. Any impacts to groundwater would likely be minimal and limited to within the boundaries of the island. Although other groundwater rights (claims) do exist on the island, they are all owned by the City of Salem and are the subject of contemporaneous GR modification applications which seek to add the POA described in this application (Collector Wells 1, 2, and 3). Therefore, the proposed change is unlikely to increase 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: See above.

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 authorized and proposed POA are very hydraulically connected to the North Santiam River. Although the proposed POA are likely to be more efficient and have a higher yield, due to their proposed construction, than the existing authorized POA, they will have the same rate limitations authorized under **Certificate 91526\***. Therefore, no increase in interference with surface water is anticipated due to the proposed change.

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: N/A

6. For SW-GW transfers, will the proposed change in point of diversion affect the surface water source similarly to the authorized point of diversion specified in the water use subject to transfer?

Yes  No Comments: N/A

7. What conditions or other changes in the application are necessary to address any potential issues identified above: \_\_\_\_\_

8. Any additional comments: Because the proposed APOA construction does not readily conform to the Water Supply Well Construction Standards (OAR 690-200 through 690-210), the Applicant will need to request and receive approval from the Department per OAR 690-200-0021 for Special Standards.

## References

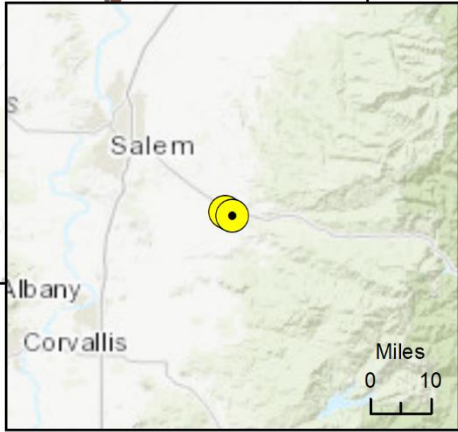
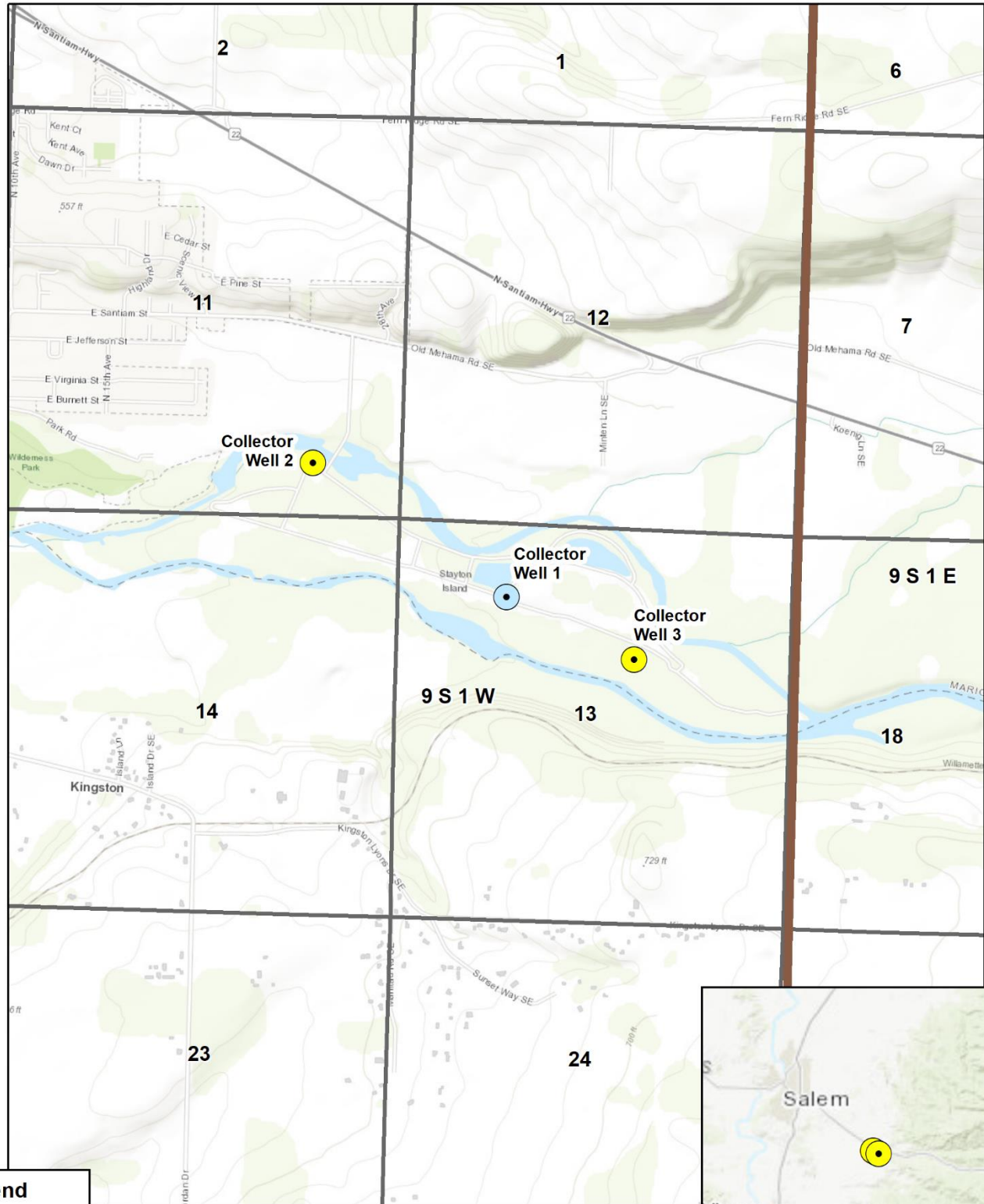
Application File: T-13312, T-13313, T-13314, T-13315, T-13316

Certificate: 91526\*

O'Connor, J. E., Sarna-Wojcicki, A., Wozniak, K. C., Polette, D. J., Fleck, R. J., 2001, Origin, Extent, and Thickness of Quaternary Units in the Willamette Valley, Oregon, Professional Paper 1620: U. S. Geological Survey, Reston, VA.

Well Location Map

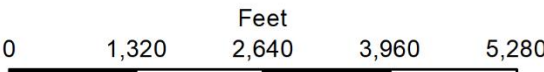
T-13313 City of Salem



**Legend**

**POA**

- Authorized
- Proposed



Main Map Scale = 1:24,000

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