

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14117

GW Reviewer Dennis Orlowski Date Review Completed: May 18, 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-14117

Applicant Name: Countryside Nursery, Inc.

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

Reviewer(s): Dennis Orlowski

Date of Review: May 18, 2023

Date Reviewed by GW Mgr. and Returned to WRSD: JTI 8/3/23

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: This proposed transfer relates to certificate 89719, which authorizes the use of two POA (CLAC 8800 and CLAC 8792) to provide groundwater for nursery uses on 47.5 acres located in the French Prairie region of Clackamas County.

The purpose for this proposed transfer is to add an additional POA (APOA) to certificate 89719. The proposed APOA has not yet been installed.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
☒ Yes ☐ No Comments: The currently-authorized POA, CLAC 8800 ("Well 1") and CLAC 8792 ("Well 2"), are 234 feet and 264 feet deep, respectively, and obtain groundwater primarily from water-bearing sand and gravel deposits of the Willamette Aquifer system (Gannett and Caldwell, 1998). The proposed APOA ("Well 3") is planned to be approximately 250 feet deep and will thus obtain groundwater from the same source.
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: Relative to authorized POA CLAC 8800, the proposed APOA location is nearer to the known location of several existing wells (e.g., CLAC 8783, CLAC 53863). However, neither these or other potentially-affected wells fully penetrate the Willamette Aquifer system, and thus injury to those other groundwater uses would not be declared.
- 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: Relative to authorized POA CLAC 8800, the proposed APOA location is about 600 farther away from the nearest hydraulically-connected perennial stream reach (mainstem Pudding River). Thus the proposed use will not likely result in an increase in interference with this or other surface water sources.
- 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
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: Not applicable.
7. What conditions or other changes in the application are necessary to address any potential issues identified above: None.
8. Any additional comments: None.

References

Application T-14117

OWRD well log database

Gannett, M.W. and Caldwell, R., 1998, *Geologic framework of the Willamette Lowland aquifer system, Oregon and Washington*, Professional Paper 1424-A, 32 p: U. S. Geological Survey, Reston, VA.

This geological map of the Hubbard area displays various aquifer types and specific wells. The map includes a legend, a scale bar in feet (0 to 5,200), and a north arrow. Key features include:

- Legend:**
 - Quaternary-Late Tertiary Sediment Aquifers (Yellow circle)
 - Quaternary-Late Tertiary Volcanic and Volcaniclastic Rock Aquifers (Green circle)
 - Late Tertiary Basalt Aquifers (Red circle)
 - Unknown (Black circle)
- Map Labels:**
 - Proposed APOA (TBD - "Well 3")** (Yellow box)
 - Authorized POA (CLAC 8800, "Well 1")** (Yellow box)
 - Authorized POA (CLAC 8792, "Well 2")** (Yellow box)
 - Wells:** CLAC 67116, CLAC 8805, CLAC 53863, CLAC 8783, CLAC 8800, CLAC 8792, CLAC 77338, CLAC 53487, CLAC 76423, CLAC 8776, CLAC 8788, CLAC 8781, CLAC 8782, CLAC 8767, CLAC 8768, CLAC 8786, CLAC 8790, CLAC 8792, CLAC 8795, CLAC 8797, CLAC 8798, CLAC 8799, CLAC 8803, CLAC 8805, CLAC 8808, CLAC 8810, CLAC 8811, CLAC 8812, CLAC 8814, CLAC 8815, CLAC 8816, CLAC 8817, CLAC 8818, CLAC 8819, CLAC 8820, CLAC 8821, CLAC 8822, CLAC 8823, CLAC 8824, CLAC 8825, CLAC 8826, CLAC 8827, CLAC 8828, CLAC 8829, CLAC 8830, CLAC 8831, CLAC 8832, CLAC 8833, CLAC 8834, CLAC 8835, CLAC 8836, CLAC 8837, CLAC 8838, CLAC 8839, CLAC 8840, CLAC 8841, CLAC 8842, CLAC 8843, CLAC 8844, CLAC 8845, CLAC 8846, CLAC 8847, CLAC 8848, CLAC 8849, CLAC 8850, CLAC 8851, CLAC 8852, CLAC 8853, CLAC 8854, CLAC 8855, CLAC 8856, CLAC 8857, CLAC 8858, CLAC 8859, CLAC 8860, CLAC 8861, CLAC 8862, CLAC 8863, CLAC 8864, CLAC 8865, CLAC 8866, CLAC 8867, CLAC 8868, CLAC 8869, CLAC 8870, CLAC 8871, CLAC 8872, CLAC 8873, CLAC 8874, CLAC 8875, CLAC 8876, CLAC 8877, CLAC 8878, CLAC 8879, CLAC 8880, CLAC 8881, CLAC 8882, CLAC 8883, CLAC 8884, CLAC 8885, CLAC 8886, CLAC 8887, CLAC 8888, CLAC 8889, CLAC 8890, CLAC 8891, CLAC 8892, CLAC 8893, CLAC 8894, CLAC 8895, CLAC 8896, CLAC 8897, CLAC 8898, CLAC 8899, CLAC 8900, CLAC 8901, CLAC 8902, CLAC 8903, CLAC 8904, CLAC 8905, CLAC 8906, CLAC 8907, CLAC 8908, CLAC 8909, CLAC 8910, CLAC 8911, CLAC 8912, CLAC 8913, CLAC 8914, CLAC 8915, CLAC 8916, CLAC 8917, CLAC 8918, CLAC 8919, CLAC 8920, CLAC 8921, CLAC 8922, CLAC 8923, CLAC 8924, CLAC 8925, CLAC 8926, CLAC 8927, CLAC 8928, CLAC 8929, CLAC 8930, CLAC 8931, CLAC 8932, CLAC 8933, CLAC 8934, CLAC 8935, CLAC 8936, CLAC 8937, CLAC 8938, CLAC 8939, CLAC 8940, CLAC 8941, CLAC 8942, CLAC 8943, CLAC 8944, CLAC 8945, CLAC 8946, CLAC 8947, CLAC 8948, CLAC 8949, CLAC 8950, CLAC 8951, CLAC 8952, CLAC 8953, CLAC 8954, CLAC 8955, CLAC 8956, CLAC 8957, CLAC 8958, CLAC 8959, CLAC 8960, CLAC 8961, CLAC 8962, CLAC 8963, CLAC 8964, CLAC 8965, CLAC 8966, CLAC 8967, CLAC 8968, CLAC 8969, CLAC 8970, CLAC 8971, CLAC 8972, CLAC 8973, CLAC 8974, CLAC 8975, CLAC 8976, CLAC 8977, CLAC 8978, CLAC 8979, CLAC 8980, CLAC 8981, CLAC 8982, CLAC 8983, CLAC 8984, CLAC 8985, CLAC 8986, CLAC 8987, CLAC 8988, CLAC 8989, CLAC 8990, CLAC 8991, CLAC 8992, CLAC 8993, CLAC 8994, CLAC 8995, CLAC 8996, CLAC 8997, CLAC 8998, CLAC 8999, CLAC 9000.