



**Water Solutions, Inc.**

April 6, 2017

Lisa Jaramillo  
Oregon Water Resources Department  
725 Summer Street NE, Suite A  
Salem, OR 97301

RE: Application for a Permanent Water Right Transfer, Certificate 64084.

Dear Lisa,

On behalf of the applicant, Union Pacific Railroad Company, please find enclosed an Application for a Permanent Water Right Transfer involving Certificate 64804. Please also find enclosed a check in the amount of \$2,950 for payment of the application filing fee. The application requests a change in the character of use, place of use, and a surface water to groundwater point of diversion for ***a portion of the water right*** to facilitate development and operation of a constructed wetland. (Note: A companion groundwater permit application for related uses has been simultaneously submitted for this same facility.)

Please note that land use approval from Wasco County is currently being pursued as stated on the Land Use Information Form include with the application. We anticipate that the Department will begin its review of the transfer application but will require documentation that land use approval has been obtained prior to issuance of any final order approving the transfer.

If you have any questions regarding the enclosed application, please do not hesitate to contact me at 971-200-8509.

Sincerely,

A handwritten signature in black ink, appearing to read "Theodore R. Ressler".

Theodore R. Ressler, RG, CWRE  
GSI Water Solutions, Inc.

Enclosures: Application for a Permanent Water Right Transfer  
Check in the amount of \$2,950

CC: Ryan Simpson – Union Pacific Railroad  
Tim Wallin – Oregon Water Resources Department  
P. Kelly Starnes – Oregon Water Resources Department

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State of Oregon  
 Water Resources Department  
 725 Summer Street NE, Suite A  
 Salem, Oregon 97301-1266  
 (503) 986-0900

# Application for Permanent Water Right Transfer

## Part 1 of 5 – Minimum Requirements Checklist

**This transfer application will be returned if Parts 1 through 5 and all required attachments are not completed and included.**  
 For questions, please call (503) 986-0900, and ask for Transfer Section.

**Check all items included with this application. (N/A = Not Applicable)**

- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed Transfer Application Map Checklist.
- Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: [http://apps.wrd.state.or.us/apps/misc/wrd\\_fee\\_calculator](http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator). If you have questions, call Customer Service at (503) 986-0801.
- Part 4 – Completed Applicant Information and Signature.
- Part 5 – Information about Water Rights to be Transferred: **How many water rights are to be transferred? 1 List them here: 64084**  
Please include a separate Part 5 for each water right. (See instructions on page 6)

**Attachments:**

- Completed Transfer Application Map. **See Attachment A**
- Completed Evidence of Use Affidavit and supporting documentation. **See Attachment B**
- N/A Affidavit(s) of Consent from Landowner(s) (if the applicant does not own the land the water right is on.)
- N/A Supplemental Form D – For water rights served by or issued in the name of an irrigation district. Complete when the transfer applicant is not the irrigation district.
- N/A Land Use Information Form with approval and signature (or signed land use form receipt stub). Not required if water is to be diverted, conveyed, and/or used only on federal lands or if **all** of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone. **See Attachment C**
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. **Well not yet constructed, see Table 3, page 9**
- N/A Geologist Report for a change from a surface water point of diversion to a ground water point of appropriation (well), if the proposed well is more than 500' from the surface water source and more than 1000' upstream or downstream from the point of diversion. See OAR 690-380-2130 for requirements and applicability.

**(For Staff Use Only)**

**WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):**

<input type="checkbox"/> Application fee not enclosed/insufficient	<input type="checkbox"/> Map not included or incomplete
<input type="checkbox"/> Land Use Form not enclosed or incomplete	<input type="checkbox"/> Part _____ is incomplete
<input type="checkbox"/> Additional signature(s) required	
Other/Explanation _____	
Staff: _____ 503-986-0 _____	Date: ____/____/____

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**SALEM, OR** Your transfer application will be returned if any of the map requirements listed below are not met.

**Please be sure that the transfer application map you submit includes all the required items and matches the existing water right map. Check all boxes that apply.**

- N/A Certified Water Right Examiner (CWRE) Stamp and Original Signature. For a list of CWREs, see [http://apps.wrd.state.or.us/apps/wr/cwre\\_license\\_view/](http://apps.wrd.state.or.us/apps/wr/cwre_license_view/). CWRE stamp and signature are not required for substitutions.
- N/A If **more than three** water rights are involved, separate maps are needed for each water right.
- Permanent quality printed with dark ink on good quality paper.
- The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
- A north arrow, a legend, and scale.
- The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the Final Proof/Claim of Beneficial Use Map (the map used when the permit was certificated), the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
- Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
- Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
- Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
- Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
- Existing place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the water right is being changed, a separate hachuring is needed for lands left unchanged.
- N/A Proposed place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
- Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water right certificate or permit.
- N/A If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32’15.5”) or degrees-decimal with five or more digits after the decimal (example – 42.53764°).



## Part 4 of 5 – Applicant Information and Signature

### Applicant Information

APPLICANT/BUSINESS NAME <b>Union Pacific Railroad Company; ATTN Ryan Simpson</b>		PHONE NO. <b>(402) 544-5453</b>	ADDITIONAL CONTACT NO.
ADDRESS <b>1400 Douglas Street, Stop 1690</b>			FAX NO. <b>402-501-3447</b>
CITY <b>Omaha</b>	STATE <b>NE</b>	ZIP <b>68179</b>	E-MAIL <b>rcsimpson@up.com</b>
<b>BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.</b>			

**Agent Information** – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT/BUSINESS NAME <b>GSI Water Solutions, Inc. ATTN: Ted Ressler</b>		PHONE NO. <b>971-200-8509</b>	ADDITIONAL CONTACT NO.
ADDRESS <b>55 SW Yamhill Street, Suite 300</b>			FAX NO.
CITY <b>Portland</b>	STATE <b>OR</b>	ZIP <b>97204</b>	E-MAIL <b>tressler@gsiws.com</b>
<b>BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.</b>			

Explain in your own words what you propose to accomplish with this transfer application, and why: The applicant is constructing a wetland that will cover a portion of the existing place of use under Certificate 64084. This transfer is intended to allow a portion of Certificate 64084 to be used for maintenance of wetland plants during the irrigation season. The wetland will be excavated so that it can function as a groundwater sump, filling naturally due to transmissive soils and high groundwater levels (see Attachment D). The applicant requests to change the character of use from irrigation to “wildlife and fish life (wetland enhancement)” and the authorized point of diversion from a surface water point of diversion on the adjacent Tooley Lake to the groundwater point of appropriation (groundwater sump)—a surface water to groundwater transfer.

If you need additional space, continue on a separate piece of paper and attach to the application as “Attachment 1”.

Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

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Check the following boxes that apply:

- The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.
- The receiving landowner will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to this landowner.
- Both the receiving landowner and applicant will be responsible for completion of change(s). Copies of notices and correspondence should be sent to this landowner and the applicant.

At this time, are the lands in this transfer application in the process of being sold?  Yes  No

If YES, and you know who the new landowner will be, please complete the receiving landowner information table below. If you do not know who the new landowner will be, then a request for assignment will have to be filed for at a later date.

If a property sells, the certificated water right(s) located on the land belong to the new owner, unless a sale agreement or other document states otherwise. For more information see:

<http://www.oregon.gov/owrd/docs/transfer-propertytransactions.pdf>

RECEIVING LANDOWNER NAME			PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS				FAX NO.
CITY	STATE	ZIP	E-MAIL	


Describe any special ownership circumstances here: \_\_\_\_\_

- Check here if any of the water rights proposed for transfer are or will be located within or served by an irrigation or other water district. (Tip: Complete and attach Supplemental Form D.)

IRRIGATION DISTRICT NAME	ADDRESS	
CITY	STATE	ZIP

- Check here if water for any of the rights supplied under a water service agreement or other contract for stored water with a federal agency or other entity.

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

 To meet State Land Use Consistency Requirements, you must list all county, city, municipal corporation, or tribal governments within whose jurisdiction water will be diverted, conveyed or used.

ENTITY NAME <b>Wasco County</b>	ADDRESS <b>2705 E 2<sup>nd</sup> Street</b>	
CITY <b>The Dalles</b>	STATE <b>OR</b>	ZIP <b>97058</b>

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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**Part 5 of 5 – Water Right Information**

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

**CERTIFICATE # 64084**

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**Description of Water Delivery System**

System capacity: 0.18 cubic feet per second (cfs) **OR**  
81 gallons per minute (gpm)

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Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use. **A 20 HP electric pump draws water from Tooley lake into 3" PVC irrigation mainline.**

**Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)**  
 (Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp	Rng	Sec	¼ ¼	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
<b>POD 1</b>	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed		2 N	13 E	8	SW SW	DLC 42	180 feet North and 960 feet East from the SW corner of Section 8.
<b>Tooley Sump</b>	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed		2 N	13 E	8	SW SW	DLC 42	280 feet North and 1,295 feet East from the SW corner of Section 8
	<input type="checkbox"/> Authorized <input type="checkbox"/> Proposed							
	<input type="checkbox"/> Authorized <input type="checkbox"/> Proposed							

**Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Place of Use (POU)                            | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input checked="" type="checkbox"/> Character of Use (USE)                        | <input type="checkbox"/> Point of Appropriation/Well (POA)        |
| <input type="checkbox"/> Point of Diversion (POD)                                 | <input type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD)                     | <input type="checkbox"/> Substitution (SUB)                       |
| <input checked="" type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV)              |

**Will all of the proposed changes affect the entire water right?**

- Yes Complete only the Proposed ("to" or "on" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.
- No Complete all of Table 2 to describe the portion of the water right to be changed.



Please use and attach additional pages of Table 2 as needed.  
See page 6 for instructions.

Do you have questions about how to fill-out the tables?  
Contact the Department at 503-986-0900 and ask for Transfer Staff.

**Table 2. Description of Changes to Water Right Certificate # 64084**

List the change proposed for the acreage in each 1/4 1/4. If more than one change is proposed, specify the acreage associated with each change. If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed.											Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.														
Twp	Rng	Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Priority Date		Twp	Rng	Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POD(s)/POA(s) to be used (from Table 1)	Priority Date				
<b>EXAMPLE</b>																										
2	S	9	E	15	NE	NW	100		15.0	Irrigation	POD #1 POD #2	1901	POU/POD	2	S	9	E	1	NW	NW	500	1	10.0		POD #5	1901
														2	S	9	E	2	SW	NW	500		5.0		POD #6	1901
2	N	13	E	8	SE	SW	200	DLC 42	1.76	Irrigation	POD 1	2/7/1990	USE, SW/GW	2	N	13	E	8	SE	SW	200	DLC 42	N/A	Wetland Enhancement	Tooley Sump	2/7/1990
2	N	13	E	8	SE	SW	200	DLC 42	0.69	Irrigation	POD 1	2/7/1990	POU, USE, SW/GW	2	N	13	E	8	SE	SW	200	DLC 42	N/A	Wetland Enhancement	Tooley Sump	2/7/1990
2	N	13	E	8	SW	SW	200	DLC 42	2.38	Irrigation	POD 1	2/7/1990	USE, SW/GW	2	N	13	E	8	SW	SW	200	DLC 42	N/A	Wetland Enhancement	Tooley Sump	2/7/1990
TOTAL ACRES:									4.83					TOTAL ACRES:									N/A			

Additional remarks: **The applicant is creating a constructed wetland adjacent to Tooley Lake. The applicant requests to change the character of use of a portion of Certificate 64084 from Irrigation to Wetland Enhancement. Due to transmissive soils and a high groundwater levels, the excavated wetland will fill naturally with groundwater, functioning as a groundwater sump (see Attachment D). Using estimates of evapotranspiration for the wetland and associated wetland vegetation, the applicant has calculated that wetland vegetation will require a total volume of 12.06 AF of water from April 15 through September 30 (See Attachment E). Water from October 1 through April 14 will be provided by a separate new groundwater permit. The authorized diversion under Certificate 64084 is limited to 2.5 AF/acre, so this transfer requires changing the character of use, and a surface water point of diversion to groundwater for 4.83 acres. Additionally, while the location of the wetland is within the authorized place of use under Certificate 64084, the wetland will only occupy a footprint of 4.14 acres. Therefore, this transfer also requires changing the place of use for a 0.69 acre portion of the water right. The location of the wetland is shown in Attachment A.**

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**For Place of Use or Character of Use Changes**

Are there other water right certificates, water use permits or ground water registrations associated with the “from” or the “to” lands?  Yes  No

If YES, list the certificate, water use permit, or ground water registration numbers: \_\_\_\_\_.



Pursuant to ORS 540.510, any “layered” water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.

**For Substitution** (ground water supplemental irrigation will be substituted for surface water primary irrigation)

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Ground water supplemental Permit or Certificate # \_\_\_\_\_;  
Surface water primary Certificate # \_\_\_\_\_.

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**For a change from Supplemental Irrigation Use to Primary Irrigation Use**

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Identify the primary certificate to be cancelled. Certificate # \_\_\_\_\_

**For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:**

- Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.

**Tip:** You may search for well logs on the Department’s web page at:

[http://apps.wrd.state.or.us/apps/gw/well\\_log/Default.aspx](http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx)

**AND/OR**

- Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide “a best estimate” for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

**Table 3. Construction of Point(s) of Appropriation**

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right
Tooley Sump	No		7 feet	N/A	N/A	N/A	NA	1-3 feet	Shallow alluvium	N/A