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PORT OF PORTLAND
Possibility. In every direction.

September 12, 2016

Dwight French
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

Re: Application for Groundwater Registration Modification in the name of the Port of Portland

Dear Mr. French:

Please find enclosed application for groundwater registration modification for GR-2946. The Port of Portland (Applicant) is requesting to add seven points of appropriation, change the character of use to municipal, and change the place of use to within the PDX/PIC Service Area. Also enclosed is the required fee of \$1,250.

If you have any questions about the enclosed materials, please contact me at (503) 415-6642. For the purposes of this application, Bruce Brody-Heine with GSI Water Solutions, Inc. is an authorized representative for the Port. Bruce can be reached at 541-306-6773.

Sincerely,

Dorothy Sperry
Environmental Performance Manager
Port of Portland

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by providing efficient cargo and air passenger access
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7200 NE Airport Way Portland OR 97218
Box 3529 Portland OR 97208
503 415 6000

12484

Printed on 100% recycled stock

Amended



September 19, 2017

Jessica Joye
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

Re: Ground Water Registration Modification Application T-12484

Dear Jessica:

In a letter dated September 12, 2017, the Department notified the Port of Portland (Port) of deficiencies in Groundwater Registration Modification Application T-12484. GSI Water Solutions, Inc. (GSI) is providing additional application materials responsive to the deficiencies identified in your letter on behalf of the Port. Please find the following enclosed:

- Updated versions of Table 1 and Table 2, identifying the location of the authorized and proposed locations of points of appropriation under GR-2946 (responsive to items 1, 2, and 3 in your letter).
- An updated map of the authorized place of use under GR-2946 (responsive to item 5 in your letter)
- Updated maps of the authorized and proposed points of appropriation under GR-2946 (responsive to items 1 and 4 in your letter).

If you have any questions about the enclosed materials, please contact me at omcmurtrey@gsiws.com or by phone at 541-257-9005.

Sincerely,

A handwritten signature in black ink that reads "Owen McMurtrey".

Owen McMurtrey
Staff Water Resources Consultant

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Part 4 of 4 – Ground Water Registration Information

CERTIFICATE OF REGISTRATION # 2946

Table 1. Location of Authorized and Proposed Point(s) of Appropriation (POA)

(Note: If the POA name is not specified in the registration, assign it a name or number here.)

POA Name or Number	Is this POA Authorized by the registration or is it Proposed?	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)
NW Packing Co. Well	☒ Authorized ☐ Proposed	MULT 1116	1 N	2 E	9	SE SE	600	20 feet North of said section line and 500 feet West from the SE corner of Section 9
Russell Tugboat Well 2	☐ Authorized ☒ Proposed		1 N	1 E	1	SW SW	400	1,020 feet North and 3,980 feet West from the SE corner of Section 1
Airport Way Well	☐ Authorized ☒ Proposed	MULT 4017	1 N	2 E	9	SE SE	600	28 feet North and 335 feet West from the SE corner of Section 9.
PDX Well 2	☐ Authorized ☒ Proposed		1 N	2 E	8	SW NE	300	2,020 feet South and 2,570 feet West from the NE corner of Section 8
PIC Well 2	☐ Authorized ☒ Proposed		1 N	2 E	16	SW NW	700	1,510 feet South and 1,210 feet East from the NW corner of Section 16
ANG Well	☐ Authorized ☒ Proposed		1 N	2 E	7	NE SE	101	1,470 feet North and 820 feet West from the SE corner of Section 7
Airtrans Rd Well	☐ Authorized ☒ Proposed		1 N	2 E	7	SW SE	902	640 feet North and 1880 feet West from the SE corner of Section 7
33 rd Ave Well	☐ Authorized ☒ Proposed		1 N	1 E	12	NE NW	200	900 feet South and 2,685 feet West from the NE corner of Section 12

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

☒ Place of Use (POU)☒ Point of Appropriation (well) (POA)☒ Character of Use (USE)☒ Additional Point of Appropriation (APOA)

Will all of the proposed changes affect the entire ground water registration?

☒ Yes Complete only the proposed ("to" 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 registration to be changed.

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Please use and attach additional pages of Table 2 as needed.
See page 5 for instructions.

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

Table 2. Description of Modifications to Registration GR-2946 (Certificate # GR-3924)

List only the part of the registration that will be modified. For the acreage in each ¼ ¼, list the modification proposed. If more than one modification, specify the acreage associated with each modification. If more than one POA, specify the acreage associated with each POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears in the registration BEFORE PROPOSED CHANGES List only that part or portion of the groundwater registration 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	¼ ¼	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POA(s) (name or number from Table 1)	Priority Date	Twp		Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POA(s) to be used (from Table 1)	Priority Date						
EXAMPLE																										
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
"	"	"	"	"	"	"	"	"	"	EXAMPLE	"	"	"	2	S	9	E	2	SW	NW	500		5.0		POD #6	1901
													POU, USE, APOA, POA	Within the service boundaries of the Port of Portland. Please see Attachment A.								MU	All proposed Wells listed in Table 1	12/31/ 52		
TOTAL ACRES											TOTAL ACRES										N/A					

Additional remarks:

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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 Ground Water Registration Modification

Part 1 of 5 – Minimum Requirements Checklist

This Ground Water Registration Modification application will be returned if Parts 1 through 4 and all required attachments are not completed and included.

For questions, please call (503) 986-0900, and ask for Transfer Section.

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

- ☒ Part 1 – Completed Minimum Requirements Checklist.
- ☒ Part 2 – Completed Application Map Checklist.
- ☒ Part 3 – Completed Applicant Information and Signature.
- ☒ Part 4 – Completed Ground Water Registration Modification Application – Ground Water Registration Information. (Only one ground water registration per application, **unless** the ground water registrations to be modified are layered).
- ☒ Completed Ground Water Registration Modification Application Map (Does not have to be prepared by a Certified Water Right Examiner). **See Attachment A.**
- ☒ Ground water registration modification fees – Amount enclosed: \$ **1,250**.
(\$875.00 for a place of use change only; \$1,250 for any other change or combination).

Attachments:

- ☐ ☒ N/A Request for Assignment Form and statutory fee. This form needs to be completed if the applicant owns the land to which the registration is appurtenant and is **not** the registration certificate holder of record. The Request for Assignment Form is available at http://www.oregon.gov/owrd/pubs/docs/forms/req_assign_8_21_09.pdf, or http://www.oregon.gov/owrd/pubs/docs/forms/req_assign_8_09.pdf. Assignment is not needed for any person or entity who can demonstrate authorization to request recognition of a modification (e.g. legal representative, power of attorney, agent, etc.) or the applicant is named on the certificate of registration, or has been assigned to the certificate of registration.

Request for Assignment approved May 11, 2016.

- ☒ ☐ N/A Land Use Information Form with approval and signature (or signed land use form receipt stub). Land use form not required if any of the following apply: **See Attachment B.** RECEIVED BY OWRD
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 - ☐ Water is to be diverted, conveyed, and/or used only on federal lands.
 - ☐ 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.
- ☒ ☐ N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. **See Attachment C.**

(For Staff Use Only)

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

- | | |
|--|--|
| ☐ Application fee not enclosed/insufficient | ☐ Map not included or incomplete |
| ☐ Land Use Form not enclosed or incomplete | ☐ Assignment Form and fee not enclosed/insufficient |
| ☐ Additional signature(s) required | ☐ Part _____ is incomplete |

Other/Explanation _____

Staff: _____ 503-986-0 _____

Date: ____/____/____

Part 2 of 4 – Ground Water Registration Modification Map Checklist

Your Ground Water Registration Modification application will be returned if any of the map requirements listed below are not met.

Please be sure that the map you submit includes all the items listed below and meets the requirements of OAR 690-380-3100, however, the map does not have to be prepared by a Certified Water Right Examiner. Check all boxes that apply.

- ☒ 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 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.
- ☐ ☒ N/A Major water delivery system features from the point(s) of appropriation such as main pipelines, canals, and ditches. **N/A – The Port of Portland is a municipality providing water over a large area**
- ☒ Existing place of use that includes hachuring, 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 registration is being changed, a separate hachuring is needed for the portion of the registration left unchanged.
- ☒ ☐ N/A If you are proposing a modification in place of use, show the proposed place of use with hachuring including 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 appropriation with distance and bearing or coordinates from a recognized survey corner.
- ☒ ☐ N/A If you are proposing a modification in point(s) of appropriation, 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°).

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Part 3 of 4 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME Port of Portland – Attn: Dorothy Sperry			PHONE NO. (503) 415-6642	ADDITIONAL CONTACT NO.
ADDRESS PO Box 3529			FAX NO.	
CITY Portland	STATE OR	ZIP 97208	E-MAIL Dorothy.Sperry@portofportland.com	
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.				

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

APPLICANT/BUSINESS NAME Bruce Brody-Heine - GSI Water Solutions, Inc.			PHONE NO. (541) 678-5117 x141	ADDITIONAL CONTACT NO.
ADDRESS 147 SW Shevlin Hixon Dr, Ste 201			FAX NO.	
CITY Bend	STATE OR	ZIP 97702	E-MAIL bbheine@gsiws.com	
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.				

Explain in your own words what you propose to accomplish with this modification; and why:
The Port of Portland (Port) is requesting to add seven additional points of appropriation to GR-2946, change the character of use to municipal, and change the place of use to within the PDX/PIC Service Area for GR-2946. The Port is planning on incorporating this registration into its non-potable water system for the airport area. (See Attachment D.)

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)

(Check one box)

- ☐ By signing this application, I (we) understand that, upon receipt of the draft preliminary determination and prior to Department approval of the ground water modification, I (we) will be required to provide landownership information and evidence that I am authorized to pursue the modification as identified in OAR 690-382-0400(16)(a);
- OR**
- ☐ I (we) affirm the applicant is a municipality as defined in ORS 540.510(3)(b) and that the right is in the name of the municipality or a predecessor; **OR**
- ☐ I (we) affirm that the applicant is an entity with the authority to condemn property and is acquiring the property to which the ground water registration proposed for modification is appurtenant by condemnation and have attached supporting documentation.

I understand that prior to Department approval of the groundwater registration modification, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the groundwater registration is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following paper: **Oregonian.**

I (we) affirm that the information contained in this application is true and accurate.

Applicant Signature

Print Name (and Title if applicable)

Date

Is the applicant the sole owner of the land on which the ground water registration modification, or portion thereof, is located? ☐ Yes ☒ No **N/A – The applicant is a municipality under ORS 540.510(3)(b)** If NO, include signatures of all deeded landowners (and mailing and/or e-mail addresses if different than the applicant's) or attach affidavits of consent (and mailing and/or e-mail addresses) from all landowners or individuals/entities to which the ground water registration has been conveyed.

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Check the appropriate box, if applicable:

N/A - The proposed modification is not located within or served by an irrigation district or other water district.

- ☐ Check here if the ground water registration proposed for modification is or will be located within or served by an irrigation or other water district.

IRRIGATION DISTRICT NAME N/A	ADDRESS	
CITY	STATE	ZIP

- ☐ Check here if water for the ground water registration is supplied under a water service agreement or other contract with a federal agency or other entity.

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP



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

ENTITY NAME City of Portland	ADDRESS 1221 SW 4th Avenue	
CITY Portland	STATE OR	ZIP 97204

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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Part 4 of 4 – Ground Water Registration Information

CERTIFICATE OF REGISTRATION # 2946

Table 1. Location of Authorized and Proposed Point(s) of Appropriation (POA)

(Note: If the POA name is not specified in the registration, assign it a name or number here.)

Please See Attachment A (maps)

POA Name or Number	Is this POA Authorized by the registration or is it Proposed?	OWRD Well Log ID# (or Well ID Tag # L-)	Twp		Rng		Sec	1/4 1/4		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
NW Packing Co. Well	☒ Authorized ☐ Proposed	MULT 1116	1	N	2	E	9	SE	SE	600	200 feet North of said section line and 500 feet West from the SE corner of Section 9
Airport Way Well	☐ Authorized ☒ Proposed	MULT 4017	1	N	2	E	9	SE	SE	600	28 feet South and 335 feet West from the SE corner of Section 9.
PDX Well 2	☐ Authorized ☒ Proposed		1	N	2	E	8	SW	NE	300	2,020 feet South and 2,570 feet West from the NE corner of Section 8
PIC Well 2	☐ Authorized ☒ Proposed		1	N	2	E	16	SW	NW	700	1,510 feet South and 1,210 feet East from the NW corner of Section 16
ANG Well	☐ Authorized ☒ Proposed		1	N	2	E	7	NE	SE	101	1,470 feet North and 820 feet West from the SE corner of Section 7
Airtrans Rd Well	☐ Authorized ☒ Proposed		1	N	2	E	7	SW	SE	902	1,470 feet North and 820 feet West from the SE corner of Section 7
33 rd Ave Well	☐ Authorized ☒ Proposed		1	N	2	1	12	NE	NW	200	900 feet South and 2,685 feet West from the NE corner of Section 12
Russell Tugboat Well 2	☐ Authorized ☒ Proposed		1	N	1	E	1	SW	SW	400	1,020 feet North and 3,980 feet West from the SE corner of Section 1

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Please use and attach additional pages of Table 2 as needed.
See page 5 for instructions.

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

Table 2. Description of Modifications to Registration GR-2946 (Certificate # GR-3924)

List only the part of the registration that will be modified. For the acreage in each $\frac{1}{4}$ $\frac{1}{4}$, list the modification proposed. If more than one modification, specify the acreage associated with each modification. If more than one POA, specify the acreage associated with each POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears in the registration BEFORE PROPOSED CHANGES List only that part or portion of the groundwater registration 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	¼ ¼		Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POA(s) (name or number from Table 1)	Priority Date	Twp	Rng		Sec	¼ ¼		Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POA(s) to be used (from Table 1)	Priority Date				
EXAMPLE																										
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
66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
									EXAMPLE					2	S	9	E	2	SW	NW	500		5.0		POD #6	1901
													POU, USE, APOA, POA	Within the service boundaries of the Port of Portland. Please see Attachment A.										MU	Airport Way Well, PDX Well 2, PIC Well 2, ANG Well, Airtrans Rd Well, 33 rd Avenue Well, Proposed Russell Tugboat Well	12/31/ 52
TOTAL ACRES									TOTAL ACRES												N/A					

Additional remarks:

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Groundwater Registration # GR-2946 (Certificate # GR-3924)

For a modification in place of use or character of use:

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

If YES, list the other certificate, water use permit, or other ground water registration numbers:

S-51547 is a Port surface water right for municipal use and Certificate 80439 is a Multnomah Drainage District regional water right. The applicant proposes to change the character of use to municipal, therefore, no water rights will be "layered."



Pursuant to OAR 690-382-0200, any "layered" water use, such as an irrigation right that is supplemental to a primary irrigation right proposed for transfer, must be concurrently transferred with the registration or be cancelled. Any change to a water right must be filed separately in a transfer application. Any change to a water use permit must be filed separately with a permit amendment. Any modification to a ground water registration on the "to" lands must be filed separately with a ground water registration modification.

For modifications in point(s) of appropriation (well(s) or additional point(s) of appropriation:

- ☒ Well log(s) are attached for each well 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/) **Please See Attachment C (well logs)**

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 adequate information is likely to delay the processing of your modification 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.

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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
Russell Tugboat Well 2*	No		220 ft	16 in	1-148 211-218	0-50	150-210	~19 (est.)	CRSA	N/A
PDX Well 2*	No		220 ft	16 in	1-148 211-218	0-50	150-210	~19 (est.)	CRSA	N/A
PIC Well 2*	No		220 ft	16 in	1-148 211-218	0-50	150-210	~19 (est.)	CRSA	N/A
ANG Well*	No		220 ft	16 in	1-148 211-218	0-50	150-210	~19 (est.)	CRSA	N/A
Airtrans Rd Well*	No		220 ft	16 in	1-148 211-218	0-50	150-210	~19 (est.)	CRSA	N/A
33 rd Ave Well*	No		220 ft	16 in	1-148 211-218	0-50	150-210	~19 (est.)	CRSA	N/A

***Well info assumed to be identical to Airport Way Well. Actual seal may vary depending on depth to top of sand aquifer.**

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