

T-10853

FS

Ken



STATE OF OREGON  
COUNTY OF MULTNOMAH  
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

PORT OF PORTLAND  
PO BOX 3529  
PORTLAND OR 97208

confirms the right to the use of water perfected under the terms of Permit G-15170. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the well(s). The specific limits and conditions of the use are listed below.

SOURCE OF WATER: WELL 3 IN ARATA CREEK BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE AND VOLUME: 0.684 CUBIC FOOT PER SECOND, LIMITED TO NO MORE THAN 756.5 ACRE-  
FEET PER YEAR

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: MARCH 15, 2001

The well is located as follows:

Twp	Rng	Mer	Sec	Q-Q	DLC	Measured Distances
1 N	3 E	WM	34	SW SE	55	585 FEET NORTH AND 50 FEET EAST FROM S1/4 CORNER, SECTION 34

A description of the place of use is as follows:

Twp	Rng	Mer	Sec	Q-Q	DLC
1 N	3 E	WM	34	SW NE	55
1 N	3 E	WM	34	SW NE	57
1 N	3 E	WM	34	SE NE	57
1 N	3 E	WM	34	SW NW	55
1 N	3 E	WM	34	SE NW	55
1 N	3 E	WM	34	NE SW	55
1 N	3 E	WM	34	NW SW	55
1 N	3 E	WM	34	SW SW	55
1 N	3 E	WM	34	SE SW	55

Twp	Rng	Mer	Sec	Q-Q	DLC
1 N	3 E	WM	34	NE SE	57
1 N	3 E	WM	34	NW SE	55
1 N	3 E	WM	34	NW SE	57
1 N	3 E	WM	34	SW SE	54
1 N	3 E	WM	34	SW SE	55
1 N	3 E	WM	34	SW SE	57
1 N	3 E	WM	34	SE SE	57
1 N	3 E	WM	35	NW SW	57
1 N	3 E	WM	35	SW SW	57

**NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW**

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.482. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.482. Pursuant to ORS 183.482, ORS 536.075 and OAR 137-003-0675, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.



Measurement, recording and reporting conditions:

- A. The water user shall maintain the totalizing flow meter or other suitable measuring device approved by the Director in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

To monitor the effect of water use from the well(s) authorized under this right, the Director requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well if annual water level measurements reveal any of the following events:

- (A) An average water level decline of three or more feet per year for five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any neighboring well with senior priority.

The reference level against which any future measurements will be compared is 284.0 feet below land surface.

The period of non-use or restricted use shall continue until the water level rises above the decline level which triggered the action or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this right. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

Use may be restricted if the Director determines the use contributes to pollution of the aquifer.

Groundwater for use under this right shall be produced only from the Troutdale sandstone reservoir between 300 and 500 feet below land surface.

The use of water under terms of this certificate is subject to regulation concurrent with or prior to regulation of a senior water right competing for water from the same source when regulation is the result of water level decline that exceeds limits specified in the senior right.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.



The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a useable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the wells at all times.

The Director may require water level or pump test results every ten years.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

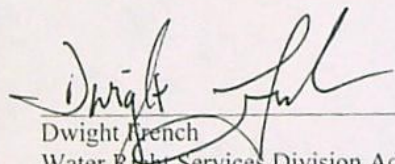
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described; however, water may be applied to lands which are not specifically described above, provided the holder of this right complies with ORS 540.510(3).

This certificate is issued to confirm changes in CHARACTER OF USE and PLACE OF USE approved by an order of the Water Resources Director entered MAY 28, 2014, at Special Order Volume 92, Page 643, approving Transfer Application 11481, supersedes Certificate 87783, State record of Water Right Certificates.

Issued MAY 24 2018



Dwight French  
Water Right Services Division Administrator, for  
Thomas M. Byler, Director  
Oregon Water Resources Department





# Oregon

John A. Kitzhaber, MD, Governor

## Water Resources Department

North Mall Office Building  
725 Summer St NE, Suite A  
Salem, OR 97301  
Phone (503) 986-0900  
Fax (503) 986-0904  
[www.wrd.state.or.us](http://www.wrd.state.or.us)

May 29, 2014

PORT OF PORTLAND  
C/O DEBRA CRAWFORD  
PO BOX 3529  
PORTLAND, OR 97208

REFERENCE: Transfer Application T-11481

Enclosed is a copy of the final order approving your water right transfer application.

The time allowed to complete the transfer is specified in the final order. YOU SHOULD GIVE PARTICULAR ATTENTION TO THE TIME LIMIT. The water right for any portion of the authorized change in character of use or change in place of use NOT carried out within the time allowed will be lost.

An extension of the time limit can be allowed only upon a showing that diligent effort has been made to complete the actual change(s) within the time allowed.

You are required to hire a Certified Water Rights Examiner (CWRE) to complete a Claim of Beneficial Use report and map which must be submitted to this Department within one year of the date you complete the change(s) or within one year of the completion date authorized in the transfer final order, whichever occurs first.

If you have any questions related to the approval of this transfer, you may contact your caseworker, Susan Douthit, by telephone at (503) 986-0858 or by e-mail at [Susan.M.Douthit@wr.d.state.or.us](mailto:Susan.M.Douthit@wr.d.state.or.us).

Sincerely,

Codi Holmes  
Water Right Services Support  
Transfers and Conservation Section

cc: Jon J. Unger, Watermaster Dist. #20 (via email)  
Bruce Brody-heine, Agent

Enclosure



**BEFORE THE WATER RESOURCES DEPARTMENT  
OF THE  
STATE OF OREGON**

In the Matter of Transfer Application	)	FINAL ORDER APPROVING
T-11481, Multnomah County	)	CHANGES IN POINT OF DIVERSION,
	)	PLACE OF USE, CHARACTER OF USE
	)	AND AN ADDITIONAL POINT OF
	)	DIVERSION

**Authority**

ORS 540.505 to 540.580 establishes the process in which a water right holder may submit a request to transfer the point of diversion, place of use, or character of use authorized under an existing water right. OAR Chapter 690, Division 380 implements the statutes and provides the Department's procedures and criteria for evaluating transfer applications.

**Applicant**

PORT OF PORTLAND  
c/o DEBRA CRAWFORD  
PO BOX 3529  
PORTLAND, OR 97208

**Findings of Fact**

***Background***

1. On October 23, 2012, the Port of Portland filed an application to change the place of use and character of use under Certificates 14525, 45428, 45429, 45430 and 87783. The Department assigned the application number T-11481.
2. Notice of the application for transfer was published on October 30, 2012, pursuant to OAR 690-380-4000. No comments were filed in response to the notice.
3. On June 11, 2013, additional information was requested regarding how Certificates 14525 (primary irrigation) and 45430 (supplemental irrigation) would be related after the character of use change, and to confirm that the season of use was requested to be changed to year round.
4. On July 17, 2013, the applicant's agent requested to condition the municipal uses so that the quantities converted from layered supplemental and primary irrigation would remain linked after the change. The combined rates and annual volumes of the rights will allow up to the face value of the original primary irrigation rights, provided that the total rates and annual volumes of the resulting municipal rights cannot exceed the rate and volume equivalent to

This final order is subject to judicial review by the Court of Appeals under ORS 183.482. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.482(1). Pursuant to ORS 536.075 and OAR 137-003-0675, you may petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.



1/80<sup>th</sup> cubic foot per second per acre, and 2.5 acre-feet per acre associated with the number of acres transferred. The agent confirmed the change in period of use from the irrigation season to year round, and asked for clarification of the maximum annual duty that could be converted from domestic use.

5. On July 18, 2013, the applicant's agent submitted information on average day per capita residential use from the City of Gresham, to be considered in establishing the annual volume to be converted from domestic use. This data is reflected in this document.
6. On August 14, 2013, the Department issued a draft Preliminary Determination proposing to approve Transfer Application T-11481 and sent a copy of the draft Preliminary Determination to the applicant. The cover letter for the draft Preliminary requested a written response from the applicant, requesting the Department proceed with the issuance of a Preliminary Determination.
7. On December 23, 2013, the applicant submitted a request to also include a change in point of diversion for the water rights involved in Transfer Application T-11481
8. On January 6, 2014, the Department received all the necessary documents necessary to process the amendment requested.
9. On January 8, 2014, the Department sent a copy of the draft Preliminary Determination proposing to approve Transfer Application T-11481 to the applicants. The applicants responded and requested the Department proceed with the issuance of the Preliminary Determination.
10. On March 4, 2014, the Department issued Preliminary Determination proposing to approve Transfer Application T-11481 and sent a copy to the applicant. Additionally, notice of the Preliminary Determination for the transfer application was published on the Department's weekly notice on March 11, 2014 and in the Gresham Outlook newspaper on March 14 and March 21, 2014 pursuant to ORS 540.520 and OAR 690-380-4020. No protests were filed in response to the notices.
11. The portion of the first right to be transferred is as follows:

**Certificate:** 14525 in the name of WAYNE E. MCGILL (perfected under Permit S-14906)  
**Use:** DOMESTIC and IRRIGATION of 64.6 ACRES  
**Priority Date:** MAY 8, 1941  
**Rate:** 0.71 CUBIC FOOT PER SECOND (CFS) Mar. 1-Oct. 31; being 0.13 cfs from Spring 1, 0.44 cfs from Spring 2 and 0.13 from Unnamed Stream for irrigation; and 0.01 cfs from Spring 2 for domestic and 0.01 cfs Nov. 1-Feb.29 from Spring 2 for domestic.  
**Limit/Duty:** The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to



exceed 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year.

**Source:** Spring 1, Spring 2 and an Unnamed Stream, all tributary to Arata Creek

**Authorized Points of Diversion:**

Twp	Rng	Mer	Sec	Q-Q	DLC	Source
1 N	3 E	WM	34	SW NW	55	SPRING 2
1 N	3 E	WM	34	SE NW	55	SPRING 1
1 N	3 E	WM	34	SE NW	55	UNNAMED STREAM

**Authorized Place of Use:**

DOMESTIC					
Twp	Rng	Mer	Sec	Q-Q	DLC
1 N	3 E	WM	34	NW SW	55

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
1 N	3 E	WM	34	SW NW	55	9.5
1 N	3 E	WM	34	NE SW	55	5.6
1 N	3 E	WM	34	NW SW	55	29.0
1 N	3 E	WM	34	SW SW	55	17.0
1 N	3 E	WM	34	SE SW	55	3.5
<b>Total:</b>						<b>64.6</b>

12. The season for domestic water is year round at 0.01 cfs from Spring 2. Best available information (from the City of Gresham) indicates the maximum beneficial use for a single household at 184 gallons per person per day x 3.7 persons per household in 1940 x 365 days ÷ 325,850 gallons per AF = 0.76 AF. Irrigation water is limited to 0.7 cfs from the various sources during the irrigation season (March 1 through October 31), further limited to an annual volume of 2.5 AF per acre x 64.6 acres = 161.5 AF, in combination with water from Certificate 45430.
13. The portion of the second right to be transferred is as follows:
 

**Certificate:** 45428 in the name of PETER K. MCGILL, DBA: A. MCGILL & SON (perfected under Permit S-36765)

**Use:** IRRIGATION of 136.4 ACRES

**Priority Date:** JUNE 6, 1973

**Rate:** 0.35 CUBIC FOOT PER SECOND (CFS); being 0.10 cfs from Spring Area, 0.03 cfs from Spring 3, 0.13 cfs from Stream 2 and 0.09 cfs from Stream 3

**Limit/Duty:** The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year from direct flow and storage [up to 7.0 AF in combination with Certificate 45430] from reservoir constructed under Permit R-5964.



**Period of Use:** Irrigation season, March 1-October 31 from direct diversion and year round from reservoir storage.

**Source:** Spring Area, Spring 3, Unnamed Stream 2, Unnamed Stream 3 and Reservoir constructed under Permit R-5964, tributary to Arata Creek

**Authorized Points of Diversion:**

Twp	Rng	Mer	Sec	Q-Q	DLC	Source	Measured Distances
1 N	3 E	WM	34	SW NW	55	SPRING 3	500 FEET SOUTH AND 700 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SW NW	55	STREAM 3	240 FEET SOUTH AND 1000 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SW NW	55	RESERVOIR	160 FEET SOUTH AND 930 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SE NW	55	SPRING AREA	440 FEET SOUTH AND 1130 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SE NW	55	STREAM 2	370 FEET SOUTH AND 1080 FEET EAST FROM THE NW CORNER OF DLC 55

**Authorized Place of Use:**

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
1 N	3 E	WM	34	SW NE	57	7.7
1 N	3 E	WM	34	SE NE	57	7.7
1 N	3 E	WM	34	SE SW	55	24.4
1 N	3 E	WM	34	NE SE	57	36.7
1 N	3 E	WM	34	NW SE	57	17.2
1 N	3 E	WM	34	SW SE	57	6.1
1 N	3 E	WM	34	SW SE	55	2.1
1 N	3 E	WM	34	SW SE	54	3.0
1 N	3 E	WM	34	SE SE	57	25.0
1 N	3 E	WM	35	NW SW	57	3.5
1 N	3 E	WM	35	SW SW	57	3.0
<b>Total:</b>						<b>136.4</b>

14. The portion of the third right to be transferred is as follows:

**Certificate:** 45429 in the name of PETER K. MCGILL, DBA: A. MCGILL & SON (perfected under Permit R-5964)

**Use:** STORAGE FOR IRRIGATION AND SUPPLEMENTAL IRRIGATION appropriated under Permits S-36765 and S-36772

**Priority Date:** JUNE 6, 1973

**Limit:** 7.0 ACRE FEET

**Source:** SPRING 3, Spring Area, and 2 Unnamed Streams, tributary to ARATA CREEK



**Authorized Place of Use:**

STORAGE FOR IRRIGATION AND SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	DLC
1 N	3 E	WM	34	SW NW	55

15. Storage is allowed November 1-June 30 in McGill Reservoir for release throughout the year.

16. The portion of the fourth right to be transferred is as follows:

**Certificate:** 45430 in the name of PETER K. MCGILL, DBA: A. MCGILL & SON  
(perfected under Permit S-36772)

**Use:** SUPPLEMENTAL IRRIGATION of 51.2 ACRES

**Priority Date:** JUNE 6, 1973

**Rate:** 0.243 CUBIC FOOT PER SECOND, being 0.045 cfs from Spring 3,  
0.063 cfs from Unnamed Stream 2 and 0.14 cfs from Unnamed Stream 3.

**Limit/Duty:** The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year from direct flow and storage [up to 7.0 AF in combination with Certificate 45430] from reservoir constructed under Permit R-5964.

**Source:** Spring 3, Unnamed Stream 2, Unnamed Stream 3 and Reservoir constructed under Permit R-5964, tributary to Arata Creek

**Authorized Points of Diversion:**

Twp	Rng	Mer	Sec	Q-Q	DLC	Source	Measured Distances
1 N	3 E	WM	34	SW NW	55	Spring 3	500 FEET SOUTH AND 700 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SW NW	55	Reservoir	160 FEET SOUTH AND 930 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SE NW	55	Stream 3	240 FEET SOUTH AND 1000 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SE NW	55	Stream 2	370 FEET SOUTH AND 1080 FEET EAST FROM THE NW CORNER OF DLC 55

**Authorized Place of Use:**

SUPPLEMENTAL IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
1 N	3 E	WM	34	SW NW	55	3.8
1 N	3 E	WM	34	NE SW	55	4.4
1 N	3 E	WM	34	NW SW	55	22.5
1 N	3 E	WM	34	SW SW	55	17.0
1 N	3 E	WM	34	SE SW	55	3.5



SUPPLEMENTAL IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
Total:						51.2

17. The period of use is limited to the irrigation season, being March 1 through October 31.

18. The portion of the fifth right to be transferred is as follows:

**Certificate:** 87783 in the name of PORT OF PORTLAND (perfected under Permit G-15170)

**Use:** NURSERY USES on 151.3 ACRES

**Priority Date:** MARCH 15, 2001

**Rate:** 0.78 CUBIC FOOT PER SECOND

**Limit/Duty:** The amount of water used for NURSERY OPERATIONS is limited to a diversion of 0.15 cubic foot per second per acre. For the irrigation of **containerized nursery plants**, the amount of water diverted is limited to ONE-FORTIETH of one cubic foot per second, or its equivalent, and 5.0 acre feet per acre per year. For the irrigation of **in ground nursery plants** the amount of water diverted is limited to ONE-EIGHTIETH of one cubic foot per second, or its equivalent, and 2.5 acre-feet per acre per year, for each acre irrigated during the irrigation season of each year. For the irrigation of any other crop, the amount of water diverted is limited to ONE-EIGHTIETH of one cubic foot per second, or its equivalent and 2.5 acre-feet per acre per year.

**Period of Use:** Year round.

**Source:** WELL 3 within the ARATA CREEK BASIN

**Authorized Point of Appropriation:**

Twp	Rng	Mer	Sec	Q-Q	DLC	Measured Distances
1 N	3 E	WM	34	SW SE	55	585 FEET NORTH AND 50 FEET EAST FROM THE S1/4 CORNER OF SECTION 34

**Authorized Place of Use:**

NURSERY USES						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
1 N	3 E	WM	34	SW NE	57	5.8
1 N	3 E	WM	34	SE NE	57	6.0
1 N	3 E	WM	34	NE SW	55	1.8
1 N	3 E	WM	34	NW SW	55	10.1
1 N	3 E	WM	34	SW SW	55	15.1
1 N	3 E	WM	34	SE SW	55	22.6
1 N	3 E	WM	34	NE SE	57	35.1
1 N	3 E	WM	34	NW SE	57	16.3
1 N	3 E	WM	34	SW SE	57	5.9
1 N	3 E	WM	34	SW SE	54	2.0
1 N	3 E	WM	34	SW SE	55	1.0
1 N	3 E	WM	34	SE SE	57	24.1
1 N	3 E	WM	35	NW SW	57	3.0
1 N	3 E	WM	35	SW SW	57	2.5
Total:						151.3



19. The total maximum annual amount authorized under Certificate 87783 for nursery use is 5.0 AF per acre x 151.3 acres = 756.5 AF annually, at a diversion rate of 0.78 cfs year round.
20. Transfer Application T-11481 proposes to change the character of use of all the above rights to municipal uses year round.
21. Transfer Application T-11481 proposes to change the place of use of all the above rights to:

MUNICIPAL USES					
Twp	Rng	Mer	Sec	Q-Q	DLC
1 N	3 E	WM	34	SW NE	57
1 N	3 E	WM	34	SE NE	55
1 N	3 E	WM	34	SE NE	57
1 N	3 E	WM	34	SW NW	55
1 N	3 E	WM	34	SE NW	55
1 N	3 E	WM	34	NE SW	55
1 N	3 E	WM	34	NW SW	55
1 N	3 E	WM	34	SW SW	55
1 N	3 E	WM	34	SE SW	55
1 N	3 E	WM	34	NE SE	57
1 N	3 E	WM	34	NW SE	57
1 N	3 E	WM	34	NW SE	55
1 N	3 E	WM	34	SW SE	54
1 N	3 E	WM	34	SW SE	55
1 N	3 E	WM	34	SW SE	57
1 N	3 E	WM	34	SE SE	57
1 N	3 E	WM	35	NW SW	57
1 N	3 E	WM	35	SW SW	57

22. Transfer Application T-11481 proposes to change the point of diversion for the portion of Certificate 14525 and add a point of diversion to replace the Spring Area, Unnamed Stream 2 and Unnamed Stream 3 diversions for the portions of Certificates 45428, 45429 and 45430 involved in this transfer at the following location:

**Proposed Point of Diversion:**

Twp	Rng	Mer	Sec	Q-Q	Description/Measured Distances
1 N	3 E	WM	34	SW NW	Common channel - 240 FEET SOUTH AND 1000 FEET EAST FROM THE NW CORNER OF MOLLOY DLC 55

23. If the transfer is fully completed as outlined in this order, the following points of diversion will be authorized for the certificates, or portion of certificates involved:

Certificate	Point(s) of Diversion		
14525	Common channel		
45428	Spring 3	Reservoir	Common channel
45429	Spring 3	Common channel	
45430	Spring 3	Reservoir	Common channel

24. The applicant has requested a period of 20 years from issuance of the Final Order for completion of the changes.



*Transfer Review Criteria [OAR 690-380-4010(2)]*

25. Water has been used within the five-year period prior to submittal of the transfer application according to the terms and conditions of the rights. There is no information in the record that would demonstrate that the rights are subject to forfeiture under ORS 540.610.
26. Pumps, pipelines, and sprinkler systems sufficient to use the full amount of water allowed under the existing rights were present within the five-year period prior to submittal of Transfer Application T-11481.
27. The applicant proposes to extend the season for the portions of the rights being converted from irrigation uses, from the irrigation season (March 1 through October 31) to year round. Diverting continuously year round at the existing rates would exceed the annual duty. To avoid enlargement or injury to other users, continuous rates of diversion would need to be pro-rated downward in order not to exceed the following values. However, if the water user were to divert water at a variable rate to meet changing needs, and maintain measurement devices or flow restrictors to ensure that the diversion rate does not exceed the original rates at any time during the year, and that the annual volume does not exceed the limits of the rights as stated below, the rights would not be enlarged:

Certificate	Maximum rate, if diverted year round at a variable rate	Maximum Annual Volume (AF/yr)
14525	Spring 1: 0.13 cfs Spring 2: 0.45 cfs Stream: 0.13 cfs <b>Total: up to 0.71 cfs, limited to no more than 0.82 cfs in combination with Certificate 45430</b>	Converted from irrigation: 64.6 ac x 2.5 AF/ac = <b>161.5 AF</b> Converted from domestic: 184 gpd per person (City of Gresham information) x 3.7 persons/household in 1940 US Census = 680.8 gpd x 365 days = 248,492 gallons/year ÷ 325,850 gal per AF = <b>0.76 AF</b> <b>Total = 162.26 AF</b> , in combination with water from Certificate 45430
45428	Spring area: 0.10 cfs Spring 3: 0.03 cfs Stream 2: 0.13 cfs Stream 3: 0.09 cfs <b>Total: up to 0.35 cfs</b>	136.4 ac x 2.5 AF = up to <b>341 AF</b> ; <b>including up to 7.0 AF from McGill Reservoir</b> , in combination with Certificate 45430
45429	Rate not specified for storage 11/1-6/30 from Spring, spring area and 2 unnamed streams	<b>7.0 AF</b>
45430	Spring 3: 0.045 cfs Stream 2: 0.063 cfs Stream 3: 0.135 cfs <b>Total: up to 0.243 cfs, limited to no more than 0.82 cfs in combination with Certificate 14525</b>	51.2 ac x 2.5 AF = up to <b>128 AF</b> , (including up to 7.0 AF from McGill Reservoir, in combination with Certificate 45428); <b>provided use in combination with Certificate 14525 does not exceed 162.26 AF</b>
87783	<b>0.78 cfs from Well 3</b>	151.3 ac x 5.0 AF/ac = <b>756.5 AF</b>



28. The proposed changes, as conditioned above and with agreement to measure and monitor the diversion rate and maximum annual volume so that the limits in the above table are not exceeded, would not result in enlargement of the rights.
29. The applicant requested in the application that the transferred rights be structured to allow year round municipal use while retaining the full rate listed on the current certificates, limited to an annual volume based on the irrigation season duty limit. On October 2, 2013, the applicant agreed to condition the year round municipal use under the transferred rights, to allow variable rates with maximum limits as illustrated in the table in Finding of Fact #24 above, so as not to exceed the maximum annual volume (also described in the table above.)
30. Annual reporting of monthly water use is required to be submitted to the Department each year under the provisions of ORS 537.099 and OAR 690-085.
31. The proposed changes would not result in injury to other water rights.

### **Conclusions of Law**

The changes proposed in Transfer Application T-11481, as conditioned, are consistent with the requirements of ORS 540.505 to 540.580 and OAR 690-380-5000.

### **Now, therefore, it is ORDERED:**

1. The changes in point of diversion, place of use, character of use and additional point of diversion to replace the Spring Area, Unnamed Stream 2 and Unnamed Stream 3 (see Finding of Fact #23) proposed in Transfer Application T-11481 are approved, as conditioned.
2. The right to the use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained in Certificates 14525, 45428, 45429, 45430 and 87783 and any related decree.
3. Water right certificates 14525, 45428, 45429, 45430 and 87783 are cancelled. New certificates will be issued describing the portions of the rights not affected by this transfer.
4. Water use measurement conditions:
  - a. **Before water use may begin** under the new use approved in this order this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device, at each point of diversion.
  - b. The water user shall maintain the meters or measuring devices in good working order.
  - c. The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.



5. Reservoir water use measurement:
  - a. **Before water use may begin** under the new use approved in this order, the water user shall install a staff gage, or, with prior approval of the Director, other suitable measuring device, that measures the entire range and stage between empty and full in the reservoir. The staff gage shall be United States Geological Survey style.
  - b. Before water use may begin under this order, if the reservoir is located in channel, weirs or other suitable measuring devices must be installed upstream and downstream of the reservoir, and, an adjustable outlet valve must be installed. The water user shall maintain such devices in good working order. A written waiver may be obtained, if in the judgment of the Director, the installation of weirs or other suitable measuring devices, or the adjustable outlet valve, will provide no public benefit.
6. The portions of the former place of use from which water rights have been transferred, that are not included in the proposed place of use, shall no longer receive water under the rights.
7. The year round municipal use under the transferred rights shall allow variable diversion rates with maximum limits as described in the table in Finding of Fact #27, so as not to exceed the maximum annual volume also described in the table in Finding of Fact #27.
8. The quantity of water diverted at the new and/or additional points of diversion, together with that diverted at the original points of diversion, shall not exceed the quantity of water lawfully available at the original points of diversion.
9. Full beneficial use of the water shall be made, consistent with the terms of this order, on or before **October 1, 2034**. A Claim of Beneficial Use prepared by a Certified Water Right Examiner shall be submitted by the applicant to the Department within one year after the deadline for completion of the changes and full beneficial use of the water.
10. After satisfactory proof of beneficial use is received, new certificates confirming the rights transferred will be issued.

Dated at Salem, Oregon this 28 day of May, 2014.

  
Dwight French, Water Right Services Administrator, for  
PHILLIP C. WARD, DIRECTOR

Mailing Date: MAY 30 2014



STATE OF OREGON  
COUNTY OF MULTNOMAH  
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO  
WAYNE E. MCGILL  
FAIRVIEW, OR 97024

confirms the right to use the waters of TWO SPRINGS AND AN UNNAMED STREAM, tributary to ARATA CREEK, for IRRIGATION of 8.6 ACRES.

This right was perfected under Permit S-14906. The date of priority is MAY 8, 1941. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 0.09 CUBIC FOOT PER SECOND (CFS), being 0.02 cfs from Spring 1, 0.05 cfs from Spring 2 and 0.02 cfs from Unnamed Stream, or its equivalent in case of rotation, measured at the points of diversion.

The points of diversion are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Source
1 N	3 E	WM	34	SW NW	SPRING 2
1 N	3 E	WM	34	SE NW	SPRING 1
1 N	3 E	WM	34	SE NW	UNNAMED STREAM

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated, and shall be further limited to a diversion of not to exceed FOR IRRIGATION, 2.5 FOR IRRIGATION acre-feet per acre for each acre irrigated during the irrigation season of each year. The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use to which this right is appurtenant is as follows:

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
1 N	3 E	WM	34	SW NW	55	2.9
1 N	3 E	WM	34	NE SW	55	1.6
1 N	3 E	WM	34	NW SW	55	3.0
1 N	3 E	WM	34	SW SW	55	0.7
1 N	3 E	WM	34	SE SW	55	0.4
Total:						8.6

This certificate describes that portion of the water right confirmed by Certificate 14525, State Record of Water Right Certificates, NOT modified by the provisions of an order of the Water Resources Director entered MAY 28 2014, approving Transfer Application T-11481.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

WITNESS the signature of the Water Resources Director, affixed MAY 28 2014.

  
Dwight French, Water Right Services Administrator, for  
PHILLIP C. WARD, DIRECTOR



STATE OF OREGON  
COUNTY OF MULTNOMAH  
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

PETER K. MCGILL  
PO BOX 78  
FAIRVIEW, OR 97024

confirms the right to use the waters of a SPRING, TWO UNNAMED STREAMS AND RESERVOIR constructed under Permit R-5964, tributary to ARATA CREEK for SUPPLEMENTAL IRRIGATION of 5.7 ACRES.

This right was perfected under Permit S-36772. The date of priority is JUNE 6, 1973. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 0.03 CUBIC FOOT PER SECOND (CFS), being 0.045 cfs from Spring 3, 0.063 cfs from Stream 2 and 0.135 cfs from Stream 3, or its equivalent in case of rotation, measured at the points of diversion.

The points of diversion are located as follows:

Twp	Rng	Mer	Sec	Q-Q	SOURCE	DLC	Measured Distances
1 N	3 E	WM	34	SW NW	SPRING 3	55	500 FEET SOUTH AND 700 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SW NW	RESERVOIR	55	160 FEET SOUTH AND 930 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SE NW	STREAM 3	55	240 FEET SOUTH AND 1000 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SE NW	STREAM 2	55	370 FEET SOUTH AND 1080 FEET EAST FROM NW CORNER OF DLC 55

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated from direct flow, and shall be further limited to a diversion of not to exceed 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year from direct flow and storage from the reservoir constructed under Permit R-5964. The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use to which this right is appurtenant is as follows:

SUPPLEMENTAL IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
1 N	3 E	WM	34	SW NW	55	0.6
1 N	3 E	WM	34	NE SW	55	1.0
1 N	3 E	WM	34	NW SW	55	3.0
1 N	3 E	WM	34	SW SW	55	0.7
1 N	3 E	WM	34	SE SW	55	0.4
Total:						5.7

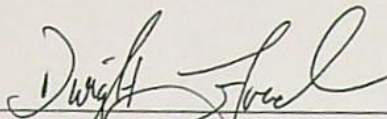
This certificate describes that portion of the water right confirmed by Certificate 45430, State Record of Water Right Certificates, NOT modified by the provisions of an order of the Water Resources Director entered MAY 28 2014, approving Transfer Application T-11481.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.



The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

WITNESS the signature of the Water Resources Director, affixed MAY 28 2014.

A handwritten signature in cursive script, appearing to read "Dwight French", written over a horizontal line.

Dwight French, Water Right Services Administrator, for  
PHILLIP C. WARD, DIRECTOR



STATE OF OREGON  
COUNTY OF MULTNOMAH  
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

PETER K. MCGILL  
PO BOX 78  
FAIRVIEW, OR 97024

confirms the right to use the waters of A SPRING, A SPRING AREA, 2 UNNAMED STREAMS AND RESERVOR, tributary to ARATA CREEK for IRRIGATION of 90.9 ACRES.

This right was perfected under Permit S-36765. The date of priority is JUNE 6, 1973. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 0.23 CUBIC FOOT PER SECOND (CFS), being 0.06 cfs from Spring Area, 0.02 cfs from Spring 3, 0.09 cfs from Stream 2 and 0.06 cfs from Stream 3, or its equivalent in case of rotation, measured at the points of diversion.

The points of diversion are located as follows:

Twp	Rng	Mer	Sec	Q-Q	SOURCE	Measured Distances
1 N	3 E	WM	34	SW NW	SPRING 3	500 FEET SOUTH AND 700 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SW NW	STREAM 3	240 FEET SOUTH AND 1000 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SW NW	RESERVOIR	160 FEET SOUTH AND 930 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SE NW	SPRING AREA	440 FEET SOUTH AND 1130 FEET EAST FROM THE NW CORNER OF DLC 55
1 N	3 E	WM	34	SE NW	STREAM 2	370 FEET SOUTH AND 1080 FEET EAST FROM THE NW CORNER OF DLC 55

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated from direct flow, and shall be further limited to a diversion of not to exceed 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year from direct flow and storage from reservoir constructed under Permit R-5964. The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use to which this right is appurtenant is as follows:

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
1 N	3 E	WM	34	SW NE	57	1.7
1 N	3 E	WM	34	SE NE	57	8.9
1 N	3 E	WM	34	SE NW	55	3.8
1 N	3 E	WM	34	NE SW	55	20.0
1 N	3 E	WM	34	SW SW	55	1.5
1 N	3 E	WM	34	SE SW	55	9.2
1 N	3 E	WM	34	NE SE	57	3.3
1 N	3 E	WM	34	NW SE	55	3.1
1 N	3 E	WM	34	NW SE	57	16.0
1 N	3 E	WM	34	SW SE	55	3.5
1 N	3 E	WM	34	SW SE	57	15.2
1 N	3 E	WM	34	SE SE	57	0.3



IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	DLC	Acres
1 N	3 E	WM	35	SW NW	57	2.2
1 N	3 E	WM	35	NW SW	57	1.9
1 N	3 E	WM	35	SW SW	57	0.3
Total:						90.9

This certificate describes that portion of the water right confirmed by Certificate 45428, State Record of Water Right Certificates, NOT modified by the provisions of an order of the Water Resources Director entered MAY 28 2014, approving Transfer Application T-11481.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

WITNESS the signature of the Water Resources Director, affixed MAY 28 2014.

  
 Dwight French, Water Right Services Administrator, for  
 PHILLIP C. WARD, DIRECTOR



BCK 12-19-12

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MEMORANDUM

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TO: GROUND WATER SECTION  
FROM: CERTIFICATE SECTION - CONNIE VANCE  
SUBJECT: PUMP TEST FOR PERMIT G-15170 APPLICATION G-15348

DATE: 4/17/2012

The attached pump test was recently received. We have retained the original for the application file.

Connie,

Already approved by Josh Itackott  
on 6-14-2012. Let us know if  
there is no letter in file.

Karl Wozniak.



Oregon Water Resources Department  
**PUMP TEST FORM COVER SHEET**

**Well Owner:**

Name: Port of Portland  
Address: 23400 NE Glisan Street  
County: Multnomah  
City: Gresham State: OR Zip: 97030-8411  
Original owner (from well log): LSI Logic

**Well Location:**

Township: 1 N Range: 3 E  
Section: 34 1/4 SW 1/16 SE 1/64 SE  
Well depth: 700.0 Date drilled: Apr-May 2004  
Owners well no. (if any): Well 3  
POD ID: MULT 73236

**Water Right Information:**

Application: G-15348 Permit: G-15170 Certificate: \_\_\_\_\_  
Is this well listed on more than one water right? ☐ Yes If yes, list additional water rights below:  
Application: \_\_\_\_\_ Permit: \_\_\_\_\_ Certificate: \_\_\_\_\_  
Application: \_\_\_\_\_ Permit: \_\_\_\_\_ Certificate: \_\_\_\_\_

**Pump Test:**

Test Conducted by: Theodore R. Ressler Well Owner? ☐ Yes  
Company: GSI Water Solutions, Inc.  
Address: 55 SW Yamhill Street, Suite 300 Date of Test: 03/09/2012  
City: Portland State: OR Zip: 97204-3331  
Daytime phone: 503-239-8799

Method of discharge measurement (see our brochure for more information): Flow meter  
Method of water-level measurement (pick one or enter other method used): Electric tape  
Length of air line (if used): \_\_\_\_\_

Pump type (pick one or enter other method used): Submersible  
Was the pump test conducted during normal use of the well? ☐ Yes Note: \_\_\_\_\_

Are you aware of any wells, other than domestic or stock wells, pumping within 1000 feet of the tested well during the test or within 24 hours prior to the test? ☐ Yes Note: \_\_\_\_\_  
If yes, give approximate distances to each and approximate pumping rate of each. If possible, indicate if they were turned on or off during the test: \_\_\_\_\_

Is there a lake, stream or other surface water body within 1/4 mile of the tested well? ☐ Yes If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approx. distance: \_\_\_\_\_ ft Approx. elevation difference: \_\_\_\_\_ ft

Well elevation is \_\_\_\_\_ surface water body.

Description of measuring point (e.g. top port of 1 inch port pipe, west side) Top of 1/2-inch access tube on the north side of the well

Measuring point distance \_\_\_\_\_ land surface 2.00 feet.

**Static water level measurements:** (A minimum of three measurements are required in the hour before pumping begins at no less than 20 minutes apart):

Time	Depth to water below meas. point	Depth to water below land surface
<u>8:10 am</u>	<u>301.85</u>	_____
<u>8:30 am</u>	<u>301.80</u>	_____
<u>8:50 am</u>	<u>301.68</u>	_____

**Discharge measurements:** (A discharge measurement is required at the start of pumping and at least once an hour during the test; additional measurements should be noted on the Pump Test Data Sheet):

Time	Discharge Rate	Discharge Units (e.g. gpm, cfs, etc)
<u>9:13 am</u>	<u>0.00</u>	<u>gpm (gallons per minute)</u>
<u>10:13 am</u>	<u>110.00</u>	<u>gpm (gallons per minute)</u>
<u>11:13 am</u>	<u>108.00</u>	<u>gpm (gallons per minute)</u>
<u>12:13 pm</u>	<u>108.00</u>	<u>gpm (gallons per minute)</u>
<u>1:13 pm</u>	<u>106.00</u>	<u>gpm (gallons per minute)</u>

Time pump turned on: Date 03/09/2012 Time 9:13 am  
Time pump turned off: Date 03/09/2012 Time 1:32 pm  
Total pumping time: 4 hours 19 minutes

**Note:** Well must be idle for at least 16 hours prior to the test.

Additional forms can be obtained from our web site at: <http://www.wrd.state.or.us>

Required Signature: Theodore R. Ressler Geology License G-2046

**RECEIVED**

OWRD 2/9/2000

MAR 21 2012

WATER RESOURCES DEPT  
SALEM, OREGON



# Pump Test Data Sheet

Test conducted on: Friday, March 09, 2012

Test conducted by: GSI Water Solutions, Inc.

Application: G-15348

Permit: G-15170

Certificate: n/a

Pod\_Id: MULT 73236

Drawdown Data							Recovery Data					
Date	Time	Time Since Pump Started (minutes)	Depth to Water Below Measuring Point (ft)	Depth to Water Below Land Surface (ft)	Drawdown (ft)	Flow Meter Totalizer Reading (x100 gallons)	Date	Time	Time Since Pump Stopped (minutes)	Depth to Water Below Measuring Point (ft)	Depth to Water Below Land Surface (ft)	Residual Drawdown (ft)
3/9/2012	8:10	-60	301.85	299.9	n/a	13.18	3/9/2012	13:32	0	324.60	322.6	23.1
"	8:30	-40	301.80	299.8	n/a	-	"	13:34	2	315.43	313.4	13.9
"	8:50	-20	301.68	299.7	n/a	-	"	13:36	4	314.00	312.0	12.5
"	9:13	0	301.52	299.5	0.0	-	"	13:38	6	313.17	311.2	11.7
"	9:15	2	312.70	310.7	11.2	-	"	13:40	8	312.50	310.5	11.0
"	9:17	4	313.50	311.5	12.0	18.85	"	13:42	10	312.10	310.1	10.6
"	9:19	6	314.40	312.4	12.9	-	"	13:47	15	311.23	309.2	9.7
"	9:21	8	314.94	312.9	13.4	-	"	13:52	20	310.62	308.6	9.1
"	9:23	10	315.50	313.5	14.0	25.30	"	13:57	25	310.19	308.2	8.7
"	9:28	15	315.85	313.9	14.3	-	"	14:02	30	309.75	307.8	8.2
"	9:33	20	316.60	314.6	15.1	-	"	14:17	45	308.78	306.8	7.3
"	9:38	25	317.10	315.1	15.6	41.50	"	14:32	60	308.05	306.1	6.5
"	9:43	30	317.52	315.5	16.0	-	"	14:47	75	307.45	305.5	5.9
"	9:58	45	318.60	316.6	17.1	62.10	"	15:02	90	306.90	304.9	5.4
"	10:13	60	319.44	317.4	17.9	79.30	"	15:17	105	306.49	304.5	5.0
"	10:28	75	320.14	318.1	18.6	95.30	"	15:32	120	306.06	304.1	4.5
"	10:43	90	320.75	318.8	19.2	111.65	"	15:47	135	305.71	303.7	4.2
"	10:58	105	321.31	319.3	19.8	128.00	"	16:02	150	305.37	303.4	3.9
"	11:13	120	321.80	319.8	20.3	144.15	"	16:17	165	305.01	303.0	3.5
"	11:28	135	322.25	320.3	20.7	160.30	"	16:32	180	304.69	302.7	3.2
"	11:43	150	322.65	320.7	21.1	176.45	"	16:47	195	304.45	302.5	2.9
"	11:58	165	323.02	321.0	21.5	192.60	"	17:02	210	304.19	302.2	2.7
"	12:13	180	323.40	321.4	21.9	208.72	"	17:17	225	303.96	302.0	2.4
"	12:28	195	323.69	321.7	22.2	224.85	"	17:32	240	303.73	301.7	2.2
"	12:43	210	323.85	321.9	22.3	240.75						
"	12:58	225	324.10	322.1	22.6	256.60						
"	13:13	240	324.32	322.3	22.8	272.45						

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WATER RESOURCES DEPT  
SALEM, OREGON



(1) OWNER: Well No. L68349  
Name LSI LOGIC  
Address 23400 NE GLISAN  
City GRESHAM St OR Zip 97030

(2) TYPE OF WORK: NEW WELL

(3) DRILL METHOD: ROTARY MUD

(4) PROPOSED USE: IRRIGATION

(5) BORE HOLE CONSTRUCTION:

Special Construction Approval NO Depth of Compl. Well 700 ft  
Explosives used NO Type Amount

HOLE		SEAL		Amount	
Diam.	From To	Material	From To		
18	0 320	CEMENT	0 320	248 SACKS	
12	320 700				

Seal placement method C&SET PLUG&PUSH

Backfill: from \_\_\_ ft to \_\_\_ ft Material

Gravel: from \_\_\_ ft to \_\_\_ ft Size

(6) CASING/LINER:

	Diam.	From To	Gauge	Material	Connection
Casing	12	+1 320	.280	STEEL	WELDED
Liner	10	-5 700	.250	STEEL	WELDED

Final Location of shoe(s)

(7) PERFORATIONS/SCREENS:

☒ Perf. Method AIR KNIFE

☐ Screens Type Material

From	To	Slot Size	Number	Diam.	Tele/pipe Size	Casing/liner
460	680	1/8X2	7200			LINER

(8) WELL TESTS: Minimum testing time is 1 hour

Test type AIR

Yield GPM	Draw-down	Drill stem at	Time
280		680	1 hr.
400	70		20 hr pump

Temperature of water 52F Depth Artesian Flow Found

Was water analysis done? NO By whom

Reason for water not suitable for use

Depth of strata

(9) LOCATION OF WELL by legal description:

County MULT Lat. ° ' " Long. ° ' "  
Township 1 N Range 3 E WM.  
Section 34 SE 1/4 SW 1/4  
Tax Lot 200 Lot Block Subdivision  
Street Address of Well (or nearest Address)  
APPROX 230 STARK STREET GRESHAM, OR 97030

(10) STATIC WATER LEVEL:

297 ft. below land surface. Date 05/06/04  
Artesian pressure \_\_\_ lb per square in. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 460  
From To Est Flow Rate SWL  
460 680 400 GPM 297

(12) WELL LOG:

Material	Ground elevation		SWL
	From	To	
TOP SOIL	0	2	
SANDY BROWN CLAY	2	12	
SANDY & GRAVEL & BOULDERS	12	86	
LIGHTLY CEMENTED GRAVEL & BOULDERS	86	291	
LIGHTLY CEMENTED GRAVEL WITH SEAMS OF BROWN CLAY	291	335	
LIGHTLY CEMENTED GRAVEL & BOULDERS	335	650	297
LIGHTLY CEMENTED SAND & GRAVEL WITH SEAMS OF BLUE CLAY	650	670	
BLUE CLAY	670	675	
FINE SAND & GRAVEL	675	683	
BLUE CLAY	683	700	

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JUN 08 2004

WATER RESOURCES DEPT  
SALEM, OREGON

Date started 04/12/04 Completed 05/06/04

(unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed \_\_\_\_\_ WWC Number \_\_\_\_\_  
Date \_\_\_\_\_

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed *Ed W. Pullman* WWC Number 616  
Date 06/04/04

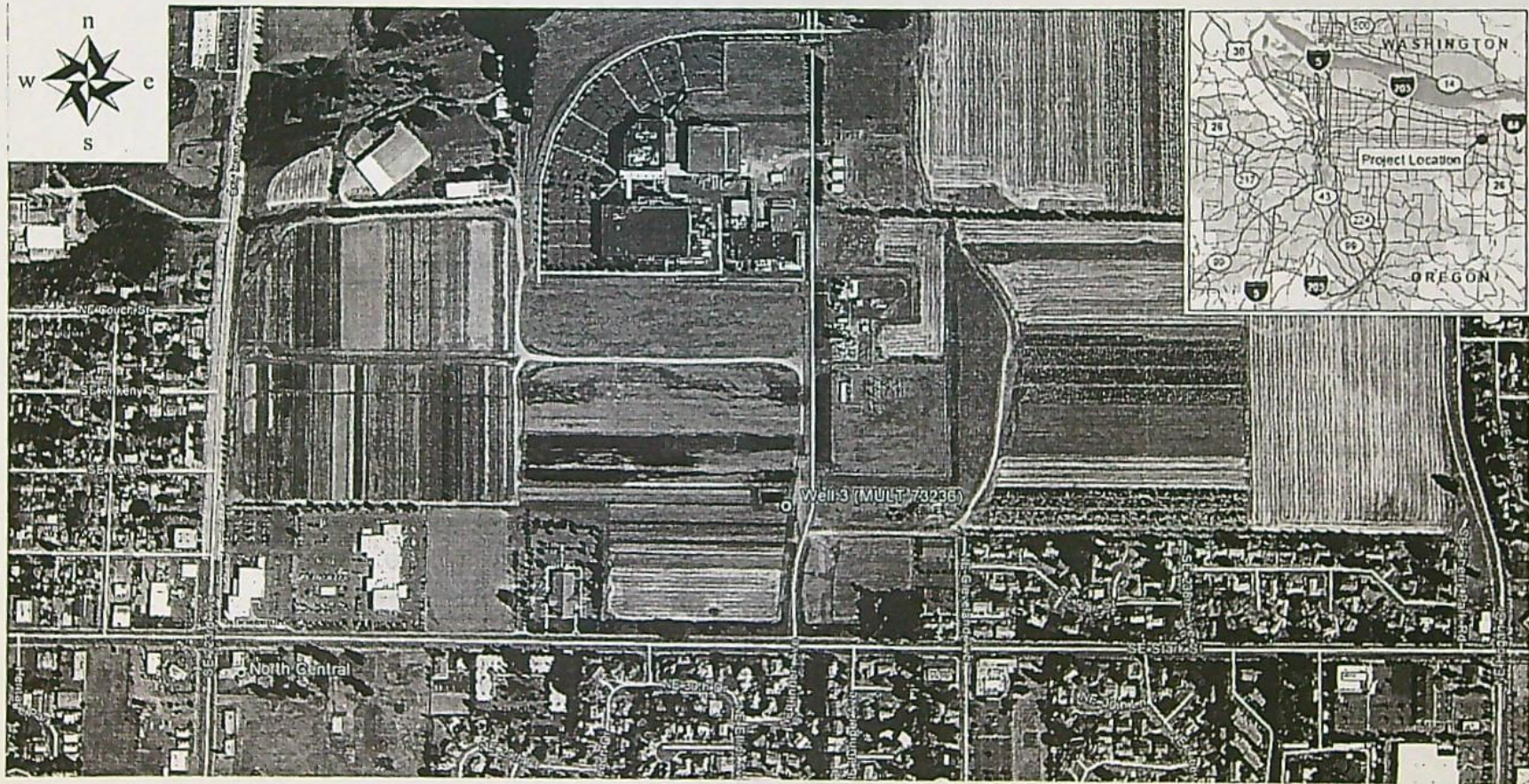
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MAR 21 2012

WATER RESOURCES DEPT  
SALEM, OREGON



Well Location Map  
Pump Test Report for Permit G-15170



Scale  
500 ft

WATER RESOURCES DEPT  
SALEM, OREGON

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**Water Solutions, Inc.**

March 19, 2012

Mike Zwart  
Oregon Water Resources Department  
725 Summer Street NE, Suite A  
Salem, OR 97301

Subject: Pump test for Permit G-15170 (Application G-15348)

Mr. Zwart:

On behalf of the Port of Portland, please find enclosed a pump test submitted to satisfy a condition of Permit G-15170 (Application G-15348). The pump test was completed at the single well constructed under Permit G-15170, MULT 73236. Included with the Pump Test Cover Sheet and test data are the State Water Well Report and a map showing the location of the well.

Please provide any subsequent correspondence related to this request to Dorothy Sperry (c/o Port of Portland, Environmental Affairs, PO Box 3529, Portland, OR 97208) and to my attention. Thank you.

Sincerely,

Theodore Ressler, RG, CWRE  
Senior Hydrogeologist

Enclosures

cc Debra Crawford – Port of Portland  
Dorothy Sperry – Port of Portland





**Water Solutions, Inc.**

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

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Mr. Zwart:

On behalf of the Port of Portland, please find enclosed a pump test submitted to satisfy a condition of Permit G-15170 (Application G-15348). The pump test was completed at the single well constructed under Permit G-15170, MULT 73236. Included with the Pump Test Cover Sheet and test data are the State Water Well Report and a map showing the location of the well.

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Oregon Water Resources Department  
**PUMP TEST FORM COVER SHEET**

**Well Owner:**

Name: Port of Portland  
Address: 23400 NE Glisan Street  
County: Multnomah  
City: Gresham State: OR Zip: 97030-8411  
Original owner (from well log): LSI Logic

**Well Location:**

Township: 1 N Range: 3 E  
Section: 34  $\frac{1}{4}$ : SW  $\frac{1}{16}$ : SE  $\frac{1}{64}$ : SE  
Well depth: 700.0 Date drilled: Apr-May 2004  
Owners well no. (if any): Well 3  
POD ID: MULT 73236

**Water Right Information:**

Application: G-15348 Permit: G-15170 Certificate: \_\_\_\_\_  
Is this well listed on more than one water right? ☐ Yes If yes, list additional water rights below:  
Application: \_\_\_\_\_ Permit: \_\_\_\_\_ Certificate: \_\_\_\_\_  
Application: \_\_\_\_\_ Permit: \_\_\_\_\_ Certificate: \_\_\_\_\_

**Pump Test:**

Test Conducted by: Theodore R. Ressler Well Owner? ☐ Yes  
Company: GSI Water Solutions, Inc.  
Address: 55 SW Yamhill Street, Suite 300 Date of Test: 03/09/2012  
City: Portland State: OR Zip: 97204-3331  
Daytime phone: 503-239-8799

Method of discharge measurement (see our brochure for more information): Flow meter  
Method of water-level measurement (pick one or enter other method used): Electric tape  
Length of air line (if used): \_\_\_\_\_

Pump type (pick one or enter other method used): Submersible  
Was the pump test conducted during normal use of the well? ☐ Yes Note: \_\_\_\_\_

Are you aware of any wells, other than domestic or stock wells, pumping within 1000 feet of the tested well during the test or within 24 hours prior to the test? ☐ Yes Note: \_\_\_\_\_  
If yes, give approximate distances to each and approximate pumping rate of each. If possible, indicate if they were turned on or off during the test: \_\_\_\_\_

Is there a lake, stream or other surface water body within  $\frac{1}{4}$  mile of the tested well? ☐ Yes If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approx. distance: \_\_\_\_\_ ft Approx. elevation difference: \_\_\_\_\_ ft

Well elevation is \_\_\_\_\_ surface water body.

Description of measuring point (e.g. top port of 1 inch port pipe, west side) Top of 1/2-inch access tube on the north side of the well

Measuring point distance \_\_\_\_\_ land surface 2.00 feet.

**Static water level measurements:** (A minimum of three measurements are required in the hour before pumping begins at no less than 20 minutes apart):

Time	Depth to water below meas. point	Depth to water below land surface
<u>8:10 am</u>	<u>301.85</u>	
<u>8:30 am</u>	<u>301.80</u>	
<u>8:50 am</u>	<u>301.68</u>	

**Discharge measurements:** (A discharge measurement is required at the start of pumping and at least once an hour during the test; additional measurements should be noted on the Pump Test Data Sheet):

Time	Discharge Rate	Discharge Units (e.g. gpm, cfs, etc)
<u>9:13 am</u>	<u>0.00</u>	<u>gpm (gallons per minute)</u>
<u>10:13 am</u>	<u>110.00</u>	<u>gpm (gallons per minute)</u>
<u>11:13 am</u>	<u>108.00</u>	<u>gpm (gallons per minute)</u>
<u>12:13 pm</u>	<u>108.00</u>	<u>gpm (gallons per minute)</u>
<u>1:13 pm</u>	<u>106.00</u>	<u>gpm (gallons per minute)</u>

Time pump turned on: Date 03/09/2012 Time 9:13 am  
Time pump turned off: Date 03/09/2012 Time 1:32 pm  
Total pumping time: 4 hours 19 minutes

**Note:** Well must be idle for at least 16 hours prior to the test.

Additional forms can be obtained from our web site at: <http://www.wrd.state.or.us>

OWRD 2/9/2000

Required Signature: Theodore R. Ressler Geology License G-2066



# Pump Test Data Sheet

Test conducted on: Friday, March 09, 2012

Test conducted by: GSI Water Solutions, Inc.

Application: G-15348

Permit: G-15170

Certificate: n/a

Pod\_Id: MULT 73236

Drawdown Data							Recovery Data					
Date	Time	Time Since Pump Started (minutes)	Depth to Water Below Measuring Point (ft)	Depth to Water Below Land Surface (ft)	Drawdown (ft)	Flow Meter Totalizer Reading (x100 gallons)	Date	Time	Time Since Pump Stopped (minutes)	Depth to Water Below Measuring Point (ft)	Depth to Water Below Land Surface (ft)	Residual Drawdown (ft)
3/9/2012	8:10	-60	301.85	299.9	n/a	13.18	3/9/2012	13:32	0	324.60	322.6	23.1
"	8:30	-40	301.80	299.8	n/a	-	"	13:34	2	315.43	313.4	13.9
"	8:50	-20	301.68	299.7	n/a	-	"	13:36	4	314.00	312.0	12.5
"	9:13	0	301.52	299.5	0.0	-	"	13:38	6	313.17	311.2	11.7
"	9:15	2	312.70	310.7	11.2	-	"	13:40	8	312.50	310.5	11.0
"	9:17	4	313.50	311.5	12.0	18.85	"	13:42	10	312.10	310.1	10.6
"	9:19	6	314.40	312.4	12.9	-	"	13:47	15	311.23	309.2	9.7
"	9:21	8	314.94	312.9	13.4	-	"	13:52	20	310.62	308.6	9.1
"	9:23	10	315.50	313.5	14.0	25.30	"	13:57	25	310.19	308.2	8.7
"	9:28	15	315.85	313.9	14.3	-	"	14:02	30	309.75	307.8	8.2
"	9:33	20	316.60	314.6	15.1	-	"	14:17	45	308.78	306.8	7.3
"	9:38	25	317.10	315.1	15.6	41.50	"	14:32	60	308.05	306.1	6.5
"	9:43	30	317.52	315.5	16.0	-	"	14:47	75	307.45	305.5	5.9
"	9:58	45	318.60	316.6	17.1	62.10	"	15:02	90	306.90	304.9	5.4
"	10:13	60	319.44	317.4	17.9	79.30	"	15:17	105	306.49	304.5	5.0
"	10:28	75	320.14	318.1	18.6	95.30	"	15:32	120	306.06	304.1	4.5
"	10:43	90	320.75	318.8	19.2	111.65	"	15:47	135	305.71	303.7	4.2
"	10:58	105	321.31	319.3	19.8	128.00	"	16:02	150	305.37	303.4	3.9
"	11:13	120	321.80	319.8	20.3	144.15	"	16:17	165	305.01	303.0	3.5
"	11:28	135	322.25	320.3	20.7	160.30	"	16:32	180	304.69	302.7	3.2
"	11:43	150	322.65	320.7	21.1	176.45	"	16:47	195	304.45	302.5	2.9
"	11:58	165	323.02	321.0	21.5	192.60	"	17:02	210	304.19	302.2	2.7
"	12:13	180	323.40	321.4	21.9	208.72	"	17:17	225	303.96	302.0	2.4
"	12:28	195	323.69	321.7	22.2	224.85	"	17:32	240	303.73	301.7	2.2
"	12:43	210	323.85	321.9	22.3	240.75						
"	12:58	225	324.10	322.1	22.6	256.60						
"	13:13	240	324.32	322.3	22.8	272.45						



(1) OWNER: Well No. L68349  
Name LSI LOGIC  
Address 23400 NE GLISAN  
City GRESHAM St OR Zip 97030

(2) TYPE OF WORK: NEW WELL

(3) DRILL METHOD: ROTARY MUD

(4) PROPOSED USE: IRRIGATION

(5) BORE HOLE CONSTRUCTION:

Special Construction Approval NO Depth of Compl. Well 700 ft  
Explosives used NO Type Amount

HOLE		SEAL		Amount	
Diam.	From To	Material	From To	Amount	
18	0 320	CEMENT	0 320	248 SACKS	
12	320 700				

Seal placement method C&SET PLUG&PUSH

Backfill: from \_\_\_ ft to \_\_\_ ft Material  
Gravel: from \_\_\_ ft to \_\_\_ ft Size

(6) CASING/LINER:

	Diam.	From To	Gauge	Material	Connection
Casing	12	+1 320	.280	STEEL	WELDED
Liner	10	-5 700	.250	STEEL	WELDED

Final Location of shoe(s)

(7) PERFORATIONS/SCREENS:

[X] Perf. Method AIR KNIFE

[ ] Screens Type Material

From	To	Slot Size	Number	Diam.	Tele/pipe Size	Casing/liner
460	680	1/8X2	7200			LINER

(8) WELL TESTS: Minimum testing time is 1 hour

Test type AIR

Yield GPM	Draw-down	Drill stem at	Time
280		680	1 hr.
400	70		20 hr pump

Temperature of water 52F Depth Artesian Flow Found

Was water analysis done? NO By whom

Reason for water not suitable for use

Depth of strata

(9) LOCATION OF WELL by legal description:

County MULT Lat. ° ' " Long. ° ' "  
Township 1 N Range 3 E WM.  
Section 34 SE 1/4 SW 1/4  
Tax Lot 200 Lot Block Subdivision  
Street Address of Well (or nearest Address)  
APPROX 230 STARK STREET GRESHAM, OR 97030

(10) STATIC WATER LEVEL:

297 ft. below land surface. Date 05/06/04  
Artesian pressure \_\_\_ lb per square in. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 460		Est Flow Rate	SWL
From	To		
460	680	400 GPM	297

(12) WELL LOG:

Material	Ground elevation		SWL
	From	To	
TOP SOIL	0	2	
SANDY BROWN CLAY	2	12	
SANDY & GRAVEL & BOULDERS	12	86	
LIGHTLY CEMENTED GRAVEL & BOULDERS	86	291	
LIGHTLY CEMENTED GRAVEL WITH SEAMS OF BROWN CLAY	291	335	
LIGHTLY CEMENTED GRAVEL & BOULDERS	335	650	297
LIGHTLY CEMENTED SAND & GRAVEL WITH SEAMS OF BLUE CLAY	650	670	
BLUE CLAY	670	675	
FINE SAND & GRAVEL	675	683	
BLUE CLAY	683	700	

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JUN 08 2004

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SALEM, OREGON

Date started 04/12/04

Completed 05/06/04

(unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed \_\_\_\_\_ WWC Number \_\_\_\_\_  
Date \_\_\_\_\_

(bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

Signed *Ed W. Pulliam* WWC Number 616  
Date 06/04/04