



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

Application for Permit Amendment

Part 1 of 5 – Minimum Requirements Checklist

This permit amendment 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)

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- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed 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. If you have questions, call Customer Service at (503) 986-0801. OWRD
- Part 4 – Completed Applicant Information and Signature.
- Part 5 – Information about Permits to be Amended: **Number of permits to be amended: 1 List them here: G-7029**
Please include a separate Part 5 for each permit. (See instructions on page 6)
- Completed Permit Amendment Application Map (Does not have to be prepared by a Certified Water Right Examiner).
- N/A Request for Assignment Form and statutory fee. The request for assignment form has to be completed if the applicant is **not** the permit holder of record and needs to be assigned to the permit; **or** the landowner of the proposed place of use is **not** the permit holder of record and needs to be assigned to the permit (the Request for Assignment Form is available online at <http://www.oregon.gov/owrd/pubs/docs/forms>). Assignment is not needed if the applicant is the permit holder of record.
- N/A Affidavit(s) of Consent are required from all permit holder(s) of record if the permit is not assigned to the applicant **or** other permit holders of record that are not listed as applicants.
- N/A Land Use Information Form with approval and signature (or signed land use form receipt stub). Land use form is not required if any of the following apply:
 - 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.
 - The proposed changes are all located on the property reviewed in Land Use form enclosed in Water Right Application Folder # _____.
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation.

(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 5 – Permit Amendment Map Checklist

Your permit amendment 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.

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- N/A If **more than three** permits are involved, separate maps for each permit.
- 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.
- 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 use permit, 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 permit is being changed, a separate hachuring is needed for the portion of the permit left unchanged.
- N/A If you are proposing a change in place of use, show the proposed place of use with hachuring that includes separate hachuring for each permit, 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 use 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°).

FEE WORKSHEET for PERMIT AMENDMENT		OWRD	
1	Base Fee (includes one type of change to one permit for up to 1 cfs)	1	\$1,160
2	Types of change proposed: <input checked="" type="checkbox"/> Place of Use <input checked="" type="checkbox"/> Point of Diversion/Appropriation Number of above boxes checked = <u>2 (2a)</u> Subtract 1 from the number in line 2a = <u>1 (2b)</u> <i>If only one change, this will be 0</i> Multiply line 2b by \$930 and enter » » » » » » » » » » » » » »	2	\$930
3	Number of permits included in Permit Amendment 1 <u>(3a)</u> Subtract 1 from the number in 3a: <u>0 (3b)</u> <i>If only one permit this will be 0</i> Multiply line 3b by \$520 and enter » » » » » » » » » » » » » »	3	\$0
4	Do you propose to add or change a well, or change from a surface water POD to a well? <input type="checkbox"/> No: enter 0 » <input checked="" type="checkbox"/> Yes: enter \$410 »	4	\$410
5	Do you propose to change the place of use? <input type="checkbox"/> No: enter 0 on line 5 » <input checked="" type="checkbox"/> Yes: enter the cfs for the portions of the permits to be amended (see example below*): <u>2.2 (5a)</u> Subtract 1.0 from the number in 5a above: <u>1.2 (5b)</u> If 5b is 0, enter 0 on line 5 » If 5b is greater than 0, round up to the nearest whole number: <u>2.0 (5c)</u> and multiply 5c by \$350, then enter on line 5 » » » » » » » » » »	5	\$700
6	Add entries on lines 1 through 5 above » » » » » » » » » » Subtotal:	6	\$3,200
7	Is this permit amendment: <input type="checkbox"/> necessary to complete a project funded by the Oregon Watershed Enhancement Board (OWEB) under ORS 541.932? <input type="checkbox"/> endorsed in writing by ODFW as a change that will result in a net benefit to fish and wildlife habitat? If one or more boxes is checked, multiply line 6 by 0.5 and enter on line 7 » If no box is applicable, enter 0 on line 7 »	7	\$0
8	Subtract line 7 from line 6 » » » » » » » » » » Permit Amendment Fee:	8	\$3,200

*Example for Line 5a calculation to transfer 45.0 acres of Primary Permit S-12345 (total 1.25 cfs for 100 acres) and 45.0 acres of Supplemental Permit S-87654 (1/80 cfs per acre) on the same land:

1. For irrigation calculate cfs for each permit involved as follows:
 - a. Divide total authorized cfs by total acres in the permit (*for S-12345, 1.25 cfs ÷ 100 ac*); then multiply by the number of acres to be changed to get the application cfs (*x 45 ac = 0.56 cfs*).
 - b. If the water right permit does not list total cfs, but identifies the allowable use as 1/40 or 1/80 of a cfs per acre; multiply number of acres proposed for change by either 0.025 (1/40) or 0.0125 (1/80). (*For S-87654, 45.0 ac x 0.0125 cfs/ac = 0.56 cfs*)
2. Add cfs for the portions of permits on all the land included in the application; however **do not count cfs for supplemental permits on acreage for which you have already calculated the cfs fee for the primary permit on the same land.** The fee should be assessed only once for each “on the ground” acre included in the application. (*In this example, blank 5a would be only 0.56 cfs, since both permits serve the same 45.0 acres. Blank 5b would be 0 and Line 5 would then also become 0*).

Applicant Information

APPLICANT/BUSINESS NAME City of Fairview, ATTN: Allan Berry		PHONE NO. 503-674-6235	ADDITIONAL CONTACT NO. OWRD
ADDRESS 1300 NE Village Street		FAX NO.	
CITY Fairview	STATE OR	ZIP 97024	E-MAIL berrya@ci.fairview.or.us
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.

AGENT/BUSINESS NAME GSI Water Solutions, Inc., ATTN: Theodore Ressler		PHONE NO. 503-239-8799	ADDITIONAL CONTACT NO.
ADDRESS 55 SW Yamhill Street, Suite 300		FAX NO.	
CITY Portland	STATE OR	ZIP 97204	E-MAIL tressler@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 permit amendment; and why: Permit G-7029 authorizes the appropriation of 2.2 cfs from a well (the City's Well 6). The permittee proposes to add an additional point of appropriation (Well 10) to this permit. The total combined rate appropriated from the two wells will not exceed 2.2 cfs. The permittee proposed to change the place of use to be the City of Fairview's Service Area.

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)

Is the applicant the permit holder of record? Yes No

If NO, include either:

- A completed assignment form (with required statutory assignment fee), assigning all or a portion of the permit to the applicant(s), **OR**
- An affidavit of consent from the permit holder(s) of record that gives permission for the applicant to amend the permit.

I understand that prior to Department approval of the permit amendment, 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 permit 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 newspaper: The Gresham Outlook.

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


Applicant Signature

Allan Berry, Public Works Director
Print Name (and Title if applicable)

03/15/2018
Date

Applicant Signature

Print Name (and Title if applicable)

Date

Check one of the following:

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

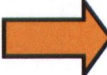
Check the appropriate box, if applicable:

- Check here if any of the permits proposed for amendment are or will be located within or served by an irrigation or other water district.

IRRIGATION DISTRICT NAME	ADDRESS	
CITY	STATE	ZIP

- Check here if water for any of the permits 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 local governments (each county, city, municipal corporation, or tribal government) within whose jurisdiction water will be diverted, conveyed or used.

ENTITY NAME City of Fairview	ADDRESS 1300 NE Village Street	
CITY Fairview	STATE OR	ZIP 97024

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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INSTRUCTIONS for editing the Application Form

To add additional lines to tables within the forms or to copy and paste additional Part 5 pages, please **save the application form to your computer**. Unlock the document by using one of the following instructions for your Microsoft Word software version:

Microsoft Word 2003

Unlock the document by one of the following:

- Using the **Tools** menu => click **Unprotect Document**;

OR

- Using the **Forms** toolbar => click on the **Protect/Unprotect** icon.

To relock the document to enable the checkboxes to work, you will need to:

- Using the **Tools** menu => click **Protect Document**;

OR

- Using the **Forms** toolbar => click on the **Protect/Unprotect** icon.

Microsoft Word 2007

- Unlock the document by clicking the **Review** tab, then click **Protect Document**, then click **Stop Protect**

- To relock the document, click **Editing Restrictions**, then click **Allow Only This Type of Editing**, select **Filling In Forms** from the drop-down menu, then check **Yes, Start Enforcing Protection**.

Microsoft Word 2010

- Unlock the document by clicking the **Review** tab, toggle the **Restrict Editing icon** at the upper right, then click **Stop Protect** at the bottom right. Then uncheck the “**Allow only this type of editing in the document: Filling in forms**” in the “Editing restrictions” section on the right-hand list of options.
- To relock the document, check the **Editing Restrictions/Allow Only This Type of Editing/Filling In Forms** box from the drop-down menu, then check **Yes, Start Enforcing Protection**. You do not need to assign a password for the editing restrictions.

Other Alternatives:

- Photocopy pages or tables in Part 5, ~~mark-through~~ any non-applicable information, insert/attach photocopied pages to document in the appropriate location, and manually amend page numbers as necessary (e.g. Page 5 of 9 10).
- You may refer to additional attachments that you may include, such as separately produced tables or spreadsheets to convey large numbers of rows of place of use listings, owner/property parcels, etc. You may contact the Department at 503-986-0900 and ask for Transfer Staff if you have questions.

Once the application has been unlocked, you may:

- add additional rows to tables using the Table tools, and
- select and copy the pages of Part 5 and paste as many additional sets of Part 5 pages as needed at the end of the application.

After editing, re-lock the document to enable checkboxes to work.

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Part 5 of 5 – Water Use Permit Information

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

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PERMIT # G-7029

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

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

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POD/POA Name or Number	Is this POD/POA Authorized by the permit 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)
Well 6 (MULT 3104)	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	MULT 3104	1	N	3	E	27	NW	SW	200	2,585 feet North and 1,325 feet East from the SW corner of Section 27*
Well 10	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	(NOT DRILLED)	1	N	3	E	34	NW	NW	100	650 feet South and 130 feet East from the NW corner of Section 34

*Note: the measured distances for this well have been updated to more accurately locate this well.

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"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Surface water POD to Ground Water POA (SW/GW) |

Will all of the proposed changes affect the entire water use permit?

- 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 permit to be changed.

For a change in place of use:

Does the permit holder of record own or control the land TO which the place of use is being moved?

- Yes No

If NO, the landowner of the land TO which the place of use is being moved **must be assigned to the permit as a permit holder of record** by submitting a completed Request for Assignment form and the required statutory fee for an assignment.

Is the proposed place of use contiguous to the authorized place of use? Yes No

The permitted place of use can be moved only to lands that are contiguous to the authorized place of use **unless** the change to non-contiguous lands is in furtherance of mitigation or conservation efforts undertaken for the purposes of benefiting a species listed as sensitive, threatened, or endangered under ORS 496.171 to 496.192 or the federal Endangered Species Act of 1973 (16 U.S.C. 1531 to 1544), as determined by the listing agency. Contiguous land being either adjacent land or land separated from the land to which a permit is authorized by roads, utility corridors, irrigation ditches or publicly owned rights of way.

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 Use Permit # G-7029

List the change proposed for the acreage in each ¼ ¼. 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	¼ ¼	Tax Lot	Gvt Lot or DLC	Acre (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date	Twp		Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acre (if applicable)	POD(s) or POA(s) to be used (from Table 1)	Priority Date	
EXAMPLE																			
2	S	9	E 15 NW	100		15.0	POD #1 POD #2		POU/POD	2	S	9	E 15 NW NW	100	1	10.0	POD #5		
"	"	"	"	"	"	EXAMPLE	"		"	2	S	9	E 15 SW NW	200		5.0	POD #6		
									POA	Within the City of Fairview Service Area; See Attachment A for Place of Use							Well 6	10/27/1963	
								APOA	Well 10										
TOTAL ACRES										TOTAL ACRES									

Additional remarks: This permit amendment proposes to change the place of use to be the City of Fairview's service area.

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Are there other water rights certificates, water use permits or ground water registrations associated with the “from” or “to” lands? Yes No N/A – Permit is for municipal use.

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

 If the permit(s) are for irrigation or supplemental irrigation use, other water rights existing on the same land for irrigation that are subject to transfer must either change concurrently or be cancelled. Any change to a water right certificate or ground water registration must be filed separately in a water right transfer application or ground water registration modification application, respectively.

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://apps2.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
Well 10	No		320	18-in 12-in	0-440 ft 440-585 ft	0-20 ft	450-580		SGA*	

*Note: The proposed well will be completed within the Sand and Gravel Aquifer (SGA). The completion of Well 6 in the SGA has been previously discussed with the Department during the most recent time extension of the permit (see Memorandum including correspondence with Karl Wozniak [Attachment 1 of Memorandum] in Attachment E).

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W/3E/27c

STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765)

MULT 3104

JUL 28 1992 OWRD (START CARD) # 37319

(1) OWNER:

Name CITY OF FAIRVIEW Address 300 HARRISON ST. City FAIRVIEW State OR Zip 97024

(2) TYPE OF WORK:

XX New Well Deepen Recondition Abandon

(3) DRILL METHOD:

Rotary Air Rotary Mud XX Cable Other

(4) PROPOSED USE:

Domestic XX Community Industrial Irrigation Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes XX No Depth of Completed Well 314 ft. Explosives used Yes XX No Type Amount

Table with columns: HOLE Diameter, From, To, SEAL Material, From, To, Amount sacks or pounds. Rows show cement seals at various depths.

How was seal placed: Method A B XX C D E Other

Backfill placed from 188 ft. to 314 ft. Material Gravel placed from 188 ft. to 314 ft. Size of gravel 6-9 & 10-20 GCS

(6) CASING/LINER:

Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Rows for casing and liner specifications.

Final location of shoe(s) 322

(7) PERFORATIONS/SCREENS:

Perforations Method V-WIRE Screens Type JOHNSON Material STAINLESS

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Rows for well test data.

(8) WELL TESTS: Minimum testing time is 1 hour 5" TAIL PIPE FROM 301-314

Table with columns: Yield gal/min, Drawdown, Drill stem at, Time. Rows for well test results.

Temperature of Water 56 Depth Artesian Flow Found Was a water analysis done? XX Yes By whom COFFEE LABS Did any strata contain water not suitable for intended use? Too little Salty Muddy Odor Colored Other

(9) LOCATION OF WELL by legal description:

OREGON MULTNOMAH Latitude Longitude Township 1N N or S. Range 3E E or W. WM. Section 27 SW 1/4 1/4 Tax Lot Lot 7 Block Subdivision SHAES E Street Address of Well (or nearest address) 199 CRESTWOOD ST.

(10) STATIC WATER LEVEL:

102 ft. below land surface. Date 7-3-92 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 28

Table with columns: From, To, Estimated Flow Rate, SWL. Row shows flow between 200 and 300 ft depth.

(12) WELL LOG:

Table with columns: Material, From, To, SWL. Detailed log of well contents from 0 to 164 ft.

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed Daniel D. Stadler WWC Number 1987 Date 7-20-92

(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 well construction standards. This report is true to the best of my knowledge and belief.

Signed Steven N. Stadler WWC Number 688 Date 7-20-92

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Attachment D
Water Right Information
Permit G-7029 in the Name of City of Fairview

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WATER RESOURCES DEPT
SALMON DIVISION

Permit No. G- **G 7029**

APPLICATION FOR A PERMIT

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To Appropriate the Ground Waters of the State of Oregon

I, City of Fairview (Name of applicant)
 of City Hall (Postoffice Address), county of Multnomah,
 state of Oregon 97024, do hereby make application for a permit to appropriate the
 following described ground waters of the state of Oregon, SUBJECT TO EXISTING RIGHTS:

If the applicant is a corporation, give date and place of incorporation

1. Give name of nearest stream to which the well, tunnel or other source of water development is
 situated Fairview Creek (Name of stream)
 tributary of Columbia River

2. The amount of water which the applicant intends to apply to beneficial use is _____ cubic
 feet per second or 1,000 gallons per minute.

3. The use to which the water is to be applied is municipal water supply

4. The well or other source is located 2,630 ft. N and 1,120 ft. E from the SW
 corner of Section 27 (Section or subdivision)
 (If preferable, give distance and bearing to section corner)

(If there is more than one well, each must be described. Use separate sheet if necessary)

being within the NW 1/4 SW 1/4 of Sec. 27, Twp. 1N, R. 3E,
 W. M., in the county of Multnomah

5. The _____ to be _____ miles
 (Canal or pipe line)
 in length, terminating in the _____ of Sec. _____, Twp. _____,
 (Smallest legal subdivision)
 R. _____, W. M., the proposed location being shown throughout on the accompanying map.

6. The name of the well or other works is _____

DESCRIPTION OF WORKS

7. If the flow to be utilized is artesian, the works to be used for the control and conservation of the
 supply when not in use must be described.

Not Applicable

8. The development will consist of one well having a
 (Give number of wells, tunnels, etc.)
 diameter of telescope to 12 inches and an estimated depth of 450 feet. It is estimated that 450
 feet of the well will require steel casing. Depth to water table is estimated 100'
 (Kind) (Feet)

Item 12 continued.

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OCT 24 1976
WATER RESOURCES DEPT
SALEM, OREGON

<u>Township</u> <u>N or S</u>	<u>Range</u> <u>E or W of</u> <u>Willamette Meridian</u>	<u>Section</u>	<u>Forty-Acre Tract</u>
1N	3E	28	NE $\frac{1}{4}$ of SW $\frac{1}{4}$
1N	3E	28	SE $\frac{1}{4}$ of NW $\frac{1}{4}$
1N	3E	28	SW $\frac{1}{4}$ of NE $\frac{1}{4}$
1N	3E	28	SE $\frac{1}{4}$ of NE $\frac{1}{4}$

Application No. G-7563
Permit No. G 7029

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STATE OF OREGON, }
County of Marion, } ss.

PERMIT

G 7029

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This is to certify that I have examined the foregoing application and do hereby grant the same, SUBJECT TO EXISTING RIGHTS and the following limitations and conditions:

The right herein granted is limited to the amount of water which can be applied to beneficial use and shall not exceed 2.2 cubic feet per second measured at the point of diversion from the well or source of appropriation, or its equivalent in case of rotation with other water users, from a well

The use to which this water is to be applied is municipal

If for irrigation, this appropriation shall be limited to 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 acre feet per acre for each acre irrigated during the irrigation season of each year;

and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.

The well shall be cased as necessary in accordance with good practice and if the flow is artesian the works shall include proper capping and control valve to prevent the waste of ground water.

The works constructed shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

The permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

The priority date of this permit is October 27, 1976

Actual construction work shall begin on or before January 18, 1978 and shall

thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1978

Extended to Oct. 1, 1984 extended to 10-1-94, 10-1-99

Complete application of the water to the proposed use shall be made on or before October 1, 1979

Extended to Oct. 1, 1984 extended to 10-1-94, 10-1-99

WITNESS my hand this 18th day of January, 1977

James E. ... WATER RESOURCES DIRECTOR

Extended to October 1, 1989
Application No. G-7563
Permit No. G-7029

PERMIT
TO APPROPRIATE THE GROUND
WATERS OF THE STATE
OF OREGON

This instrument was first received in the
office of the State Engineer at Salem, Oregon,
on the 27 day of Oct.
1976 at 9:00 o'clock A.M.

Returned to applicant:
Approved:
Recorded in book No. of
Ground Water Permits on page G 7029

STATE ENGINEER
Drainage Basin No. 3 page 33

**Oregon Water Resources Department
Water Right Services Division**

Water Rights Application
Number G-7563

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**Final Order
Extension of Time for Permit Number G-7029
Permit Holder: City of Fairview**

Permit Information

Application File G-7563/ Permit G-7029

Basin 2 – Willamette Basin / Watermaster District 20
Date of Priority: October 27, 1976

Authorized Use of Water

Source of Water:	One Well within the Fairview Creek Basin
Purpose or Use:	Municipal
Maximum Rate:	2.2 Cubic Feet per Second (CFS)

This Extension of Time request is being processed in accordance with Oregon Revised Statute 537.630 and 539.010(5), and Oregon Administrative Rule Chapter 690, Division 315

Appeal Rights

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. A request for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either file 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.

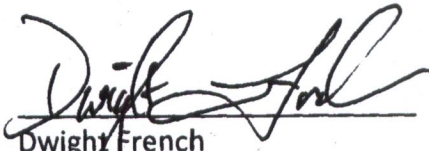
Application History

Permit G-7029 was issued by the Department on January 18, 1977. The permit called for completion of construction by October 1, 1978, and complete application of water to beneficial use by October 1, 1979. The most recent extension authorized completion of construction by October 1, 2009, and complete application of water to beneficial use by October 1, 2010. On July 29, 2011, the City of Fairview submitted an application to the Department for an extension

ORDER

The extension of time for Application G-7563, Permit G-7029, therefore, is approved subject to conditions contained herein. The deadline for completing construction is extended from October 1, 2009 to October 1, 2040. The deadline for applying water to full beneficial use within the terms and conditions of the permit is extended from October 1, 2010 to October 1, 2040.

DATED: August 29, 2014



Dwight French
Water Right Services Division Administrator, for
Director
Oregon Water Resources Department

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If you have any questions about statements contained in this document, please contact Ann Reece at (503) 986-0834.

If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503) 986-0900.

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Attachment E
Correspondence Regarding Aquifer Completion
Permit G-7029 in the Name of City of Fairview



Technical Memorandum

To: Karl Wozniak, RG – Oregon Water Resources Department

From: Ted Ressler, RG, CWRE – GSI Water Solutions, Inc.
Walter Burt, RG – GSI Water Solutions, Inc.
Robyn Cook, RG – GSI Water Solutions, Inc.

CC: City of Fairview

Date: May 11, 2015

Re: **Conceptual Hydrogeologic Model Summary, City of Fairview, Oregon
Aquifer Completion of Well 6 (MULT 3104), Water Use Permit G-7029.**

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This technical memorandum (TM) summarizes GSI Water Solutions, Inc.'s (GSI) evaluation and interpretation of the hydrostratigraphy of Pliocene alluvial aquifers in the vicinity of Fairview, Oregon. This TM is being submitted in response to the preliminary findings by Oregon Department of Water Resources (OWRD) regarding the aquifer in which City of Fairview (Fairview) Well 6 is completed, as determined during the Permit Extension Groundwater Review for Permit G-7029 (see Attachment 1). Specifically, OWRD concluded that Well 6 produces water from the Troutdale Sandstone Aquifer (TSA). This determination is based on hydrostratigraphy defined by the USGS in Hartford and McFarland (1989). However, information gathered as part of extensive subsurface geologic and hydrogeologic investigations conducted in the vicinity of the cities of Gresham and Fairview between 1990 and the present support an alternative interpretation of the hydrostratigraphy for this portion of the Portland Basin. More recent interpretations by GSI and others of the hydrostratigraphy suggest that Well 6 is actually completed in the Sand and Gravel Aquifer (SGA). In addition to hydrostratigraphic interpretation, GSI has compiled hydraulic data that demonstrates a strong connection between Well 6 and other wells recognized by OWRD as being completed in the SGA.

Hydrostratigraphy

The hydrostratigraphy in the vicinity of several of Fairview's water supply wells, former Well 3 (now decommissioned), Well 5, Well 9, and Well 6 has been interpreted in two significantly different ways since the late 1980s. One interpretation, completed for the USGS Portland Basin Study (Hartford and McFarland, 1989), established the top of the SGA unit based on the well log of Fairview Well 3. This interpretation implied that Well 5, located approximately 75 feet from Well 3, was completed in the TSA, rather than the SGA. The prior USGS work necessarily relied on a relatively limited amount of data

Table 1b. Summary of Groundwater Elevations Observed in 2010

Aquifer	Well	Date	DTW (ft)	GS Elev (ft)	GW Elev (ft)
TSA	COF 7	10/5/2010	158.2	190	32
SGA	COF 3	10/5/2010	114.5	120	6
	COF 5	10/5/2010	114.8	120	5
	COF 6	10/5/2010	105.9	115	9
	COF 8	10/5/2010	31.7	38	6
	COF 9	10/5/2010	115.6	120	4

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Notes: COF – City of Fairview; DTW = Depth to water; GS Elev = Ground surface elevation; GW Elev = Groundwater Elevation in feet above mean sea level.

The observed groundwater elevations at Fairview Well 6 correspond closely with other wells completed in the SGA. These data suggest that Fairview Well 6 is open to the SGA and not the TSA.

Hydraulic Testing

Measurements of water level changes at Fairview Well 6 during pumping of Fairview Well 5 also support the conclusion that Fairview Well 6 is completed in the SGA. Hydrographs showing water level measurements from Fairview Wells 5 and 6 for the period of January 1 through January 8, 2012 are shown on Figure 3. Fairview Well 5 was pumped at approximately 600 gallons per minute (GPM) during routine pumping cycles. The water level response observed in Fairview Well 6 was relatively instantaneous to the beginning and end of the pumping cycles at Fairview Well 5. A drawdown of 17 feet was observed in Fairview Well 6 after pumping Fairview Well 5 for approximately 9 hours.

Summary and Conclusions

Refinements to the hydrostratigraphic conceptual model in the vicinity of Fairview suggest that Fairview Well 6 is completed in the SGA rather than the TSA. Hydrogeologic data collected from known TSA and SGA wells support this alternate interpretation of the hydrostratigraphy:

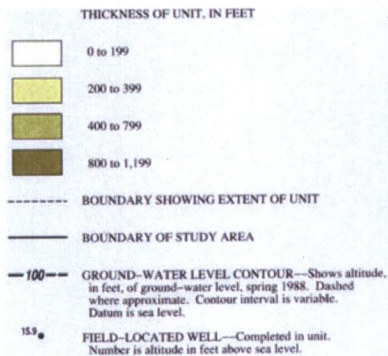
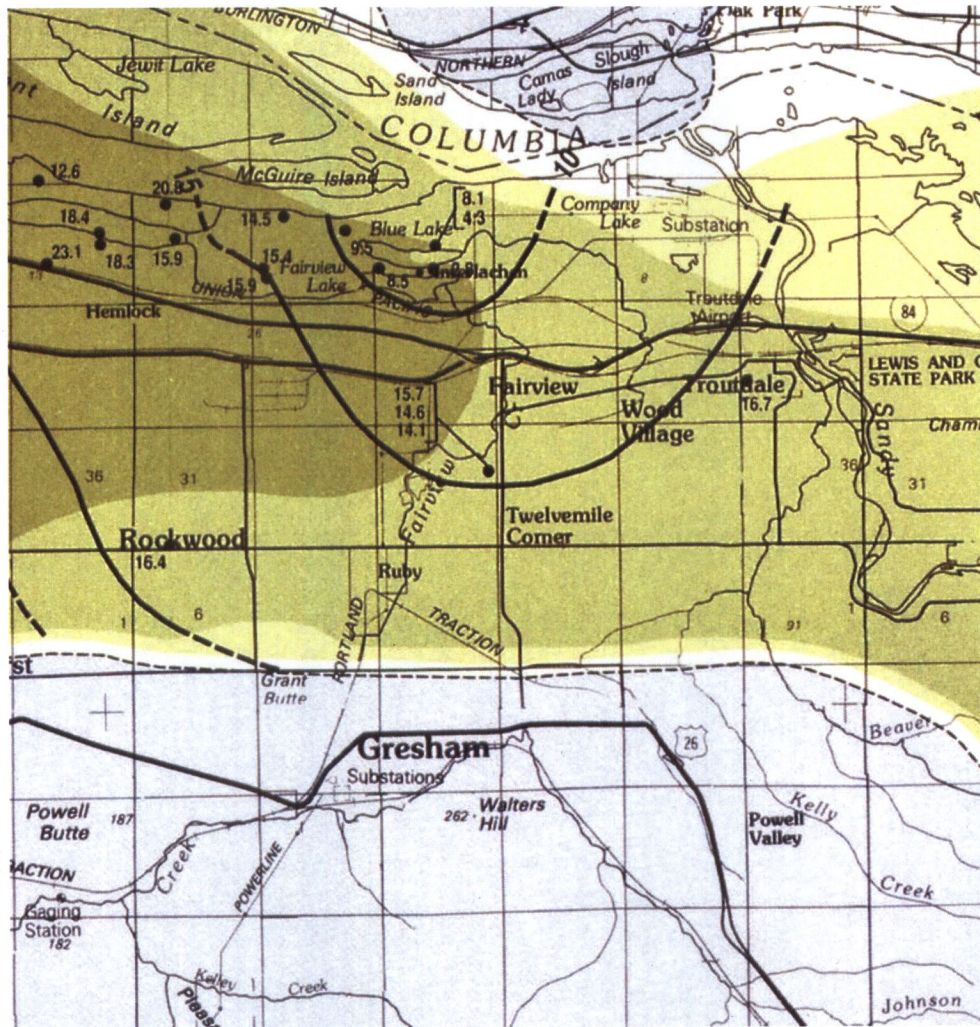
- Aquifer water levels in Fairview Well 6 are consistent with nearby SGA levels and are significantly lower than those measured in the TSA.
- The water level at Fairview Well 6 responds distinctly and strong to pumping at Fairview Well 5, a well previously acknowledged by OWRD to be completed in the SGA.

References

Bet, J.N and M.L Rosner. 1993. Geology near Blue Lake County Park, eastern Multnomah County, Oregon. Oregon Geology, Volume 55, Number 3.

Hartford, S.V. and W.D. McFarland. 1989. Lithology, thickness, and extent of hydrogeologic units underlying the East Portland Area, Oregon. U.S. Geological Survey, Water-Resources Investigations Report 88-4110.

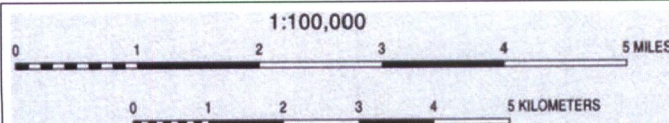
Hartford, S.V. and W.D. McFarland. 1996. Description of the Ground-Water Flow System in the Portland Basin, Oregon and Washington. U.S. Geological Survey, Water-Supply Paper 2470-A.



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MAP NOTES:
 Date: September 17, 2014
 Data Sources: Portion of Plate 5 "Map Showing Extent, Thickness, and Spring 1988 Water Levels for the Sand and Gravel Aquifer" from USGS WSP 2470-A

Document Path: P:\Portland\117 - Fairview\019-FY14-15 GW Services\Project_GIS\Project_mxd\Figure1_GW_Elevation_of_SGA.mxd

FIGURE 1
 Groundwater Elevation of SGA
 City of Fairview Water Rights Support





EXPLANATION

THICKNESS OF UNIT, IN FEET

	0 to 199
	200 to 399
	400 to 799

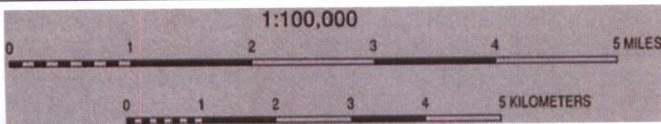
--- BOUNDARY SHOWING EXTENT OF UNIT

— BOUNDARY OF STUDY AREA

---100--- GROUND-WATER LEVEL CONTOUR—Shows altitude, in feet, of ground-water level, spring 1988. Dashed where approximate. Contour interval is variable. Datum is sea level.

• 42.5 FIELD-LOCATED WELL—Completed in unit. Number is altitude in feet above sea level.

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MAP NOTES:

Date: September 17, 2014
 Data Sources: Portion of Plate 4 "Map Showing Extent, Thickness, and Spring 1988 Water Levels for the Troutdale Sandstone Aquifer" from USGS WSP 2470-A

FIGURE 2

Groundwater Elevation of TSA
 City of Fairview Water Rights Support



Water level response at Well 6 (MULT 3104) to pumping at Well 5 (MULT 1368/69818)

- Well 6 is located approximately 1,180 feet E-NE of Well 5
- Relatively instantaneous response to pumping at Well 5
- Drawdown of 17 feet after 9 hours of pumping at Well 5

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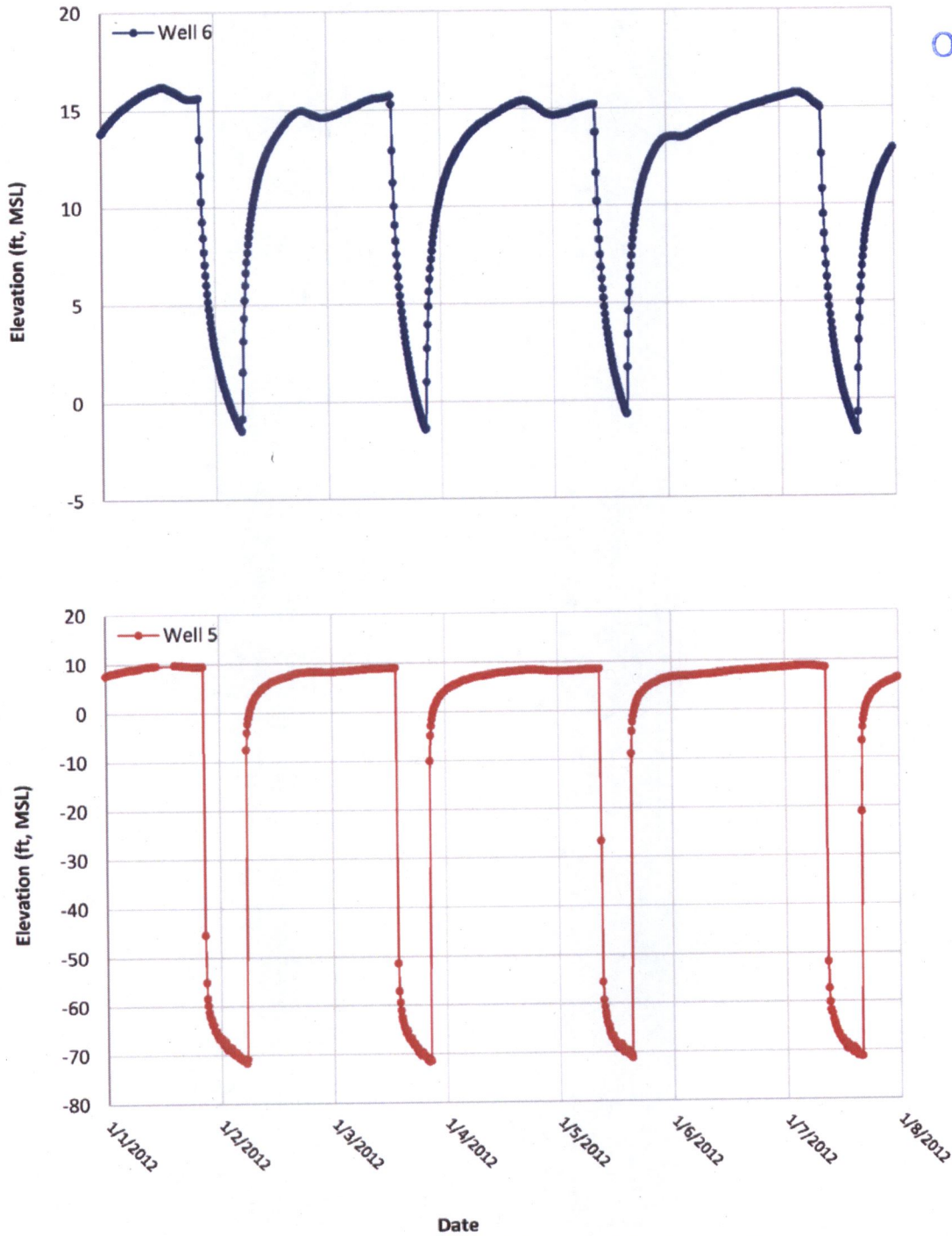


FIGURE 3

Fairview Well 6 Response to Pumping at Well 5
City of Fairview Water Rights Support



Interoffice Memorandum

March 22, 2012

To: File G-7563 (Permit G-7029, City of Fairview)
From: Karl Wozniak *KW*
Subject: Aquifer Designation for Well 6

The Municipal Extension Review of November 1, 2011 notes that Fairview Well 6 (MULT 3104) produces from the Troutdale Sandstone Aquifer. This conclusion was based on hydrogeologic unit designations made by the U.S. Geological Survey (Swanson and others, 1993) for the city's old Well 6 (MULT 1357) at the same well site.

On March 22, 2012, Ted Ressler and Walt Burt of GSI Water Solutions, Inc. presented an alternative interpretation of the hydro-stratigraphy of the area that suggests that Well 6 may actually produce from the upper part of the Sand and Gravel Aquifer. This alternative interpretation is based on a variety of hydrogeologic data that have been collected in recent years.

A preliminary review of the data at the meeting suggests that the alternative interpretation may be reasonable. GSI will write a report for placement in the file that synthesizes the new data and summarizes the new interpretation. When time permits, OWRD Groundwater Section will review the report and all existing data in order to make a final determination of the source aquifer for Well 6. Until then, the designation of the Troutdale Sandstone Aquifer as the source of water on the permit should be considered as tentative, not definitive.

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IN/3E 32AA2
(Rockwood Water District. Drilled by R.J. Strasser Drilling Co., 1976.)

QWRD

Materials	Thick- ness (feet)	Depth (feet)	Materials	Thick- ness (feet)	Depth (feet)
Top soil	5	5	Sandy clay	18	203
Sandy silty gravel	19	24	Cobbles, boulders	4	207
Sandy, gravelly, clayey silt	2	26	Sandstone	60	267
Sandy, silty gravel	10	36	Sandy gravel	22	289
Cobbely, gravelly, clayey sand	7	43	Clayey, sandy gravel	28	317
Sandy, silty gravel	69	112	Clean fine sand	35	352
Gravelly clay	4	116	Tight, sandy, gravelly silt	12	364
Sandy, silty gravel	3	119	Sand with silt stringers	12	376
Sandy, clay, brown	37	156	Clayey sand	12	388
Clay, blue	22	178	Sandy clay	12	400
Fine sandy silt	7	185			

IN/3E 33AD

(Water Bureau. Drilled by Hansen Drilling Co., 1976.)

Materials	Thick- ness (feet)	Depth (feet)	Materials	Thick- ness (feet)	Depth (feet)
Fill	5	5	Black and green gravels with gray and white clay lenses	57	192
Gravel, small to medium (losing mud)	20	25	Black and green gravel with green to gray sandy clay	56	248
Gray clay, moderately indurated	5	30	Gravel with a light brown sandy clay matrix	19	267
Gray silty clay	4	34	Gravel with a light brown sandy clay matrix, slightly cemented	36	303
Yellow-brown micaceous sand	6	40	Green sandstone?	3	306
Light yellow sandy clay	6	46	Light brown silty clay	8	314
Gray sandy clay	3	49	Gravel, black sand- stone, and brown clayey sand	7	321
Gray "sticky" clay	4	53	Black "glassy" sand- stone	7	328
Black and green gravels	13	66	Black sandstone, gravel, and gray to brown silty to clayey sand	10	338
Green-gray to gray- brown sandy clay	6	72	Brown clayey sand	8	346
Black and green gravels interbedded with sandy clays	14	86			
Gray sandy clay	2	88			
Black and green gravels interbedded with sandy clays	24	112			
Black and green gravels with green sandy clay	23	135			

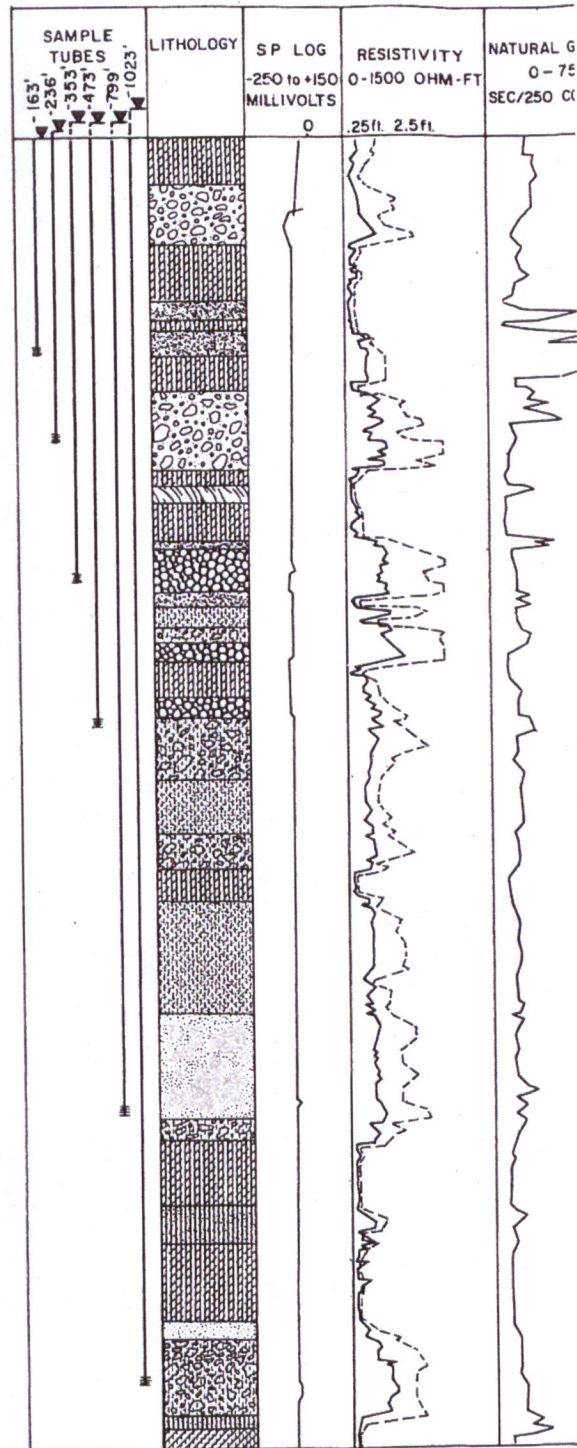
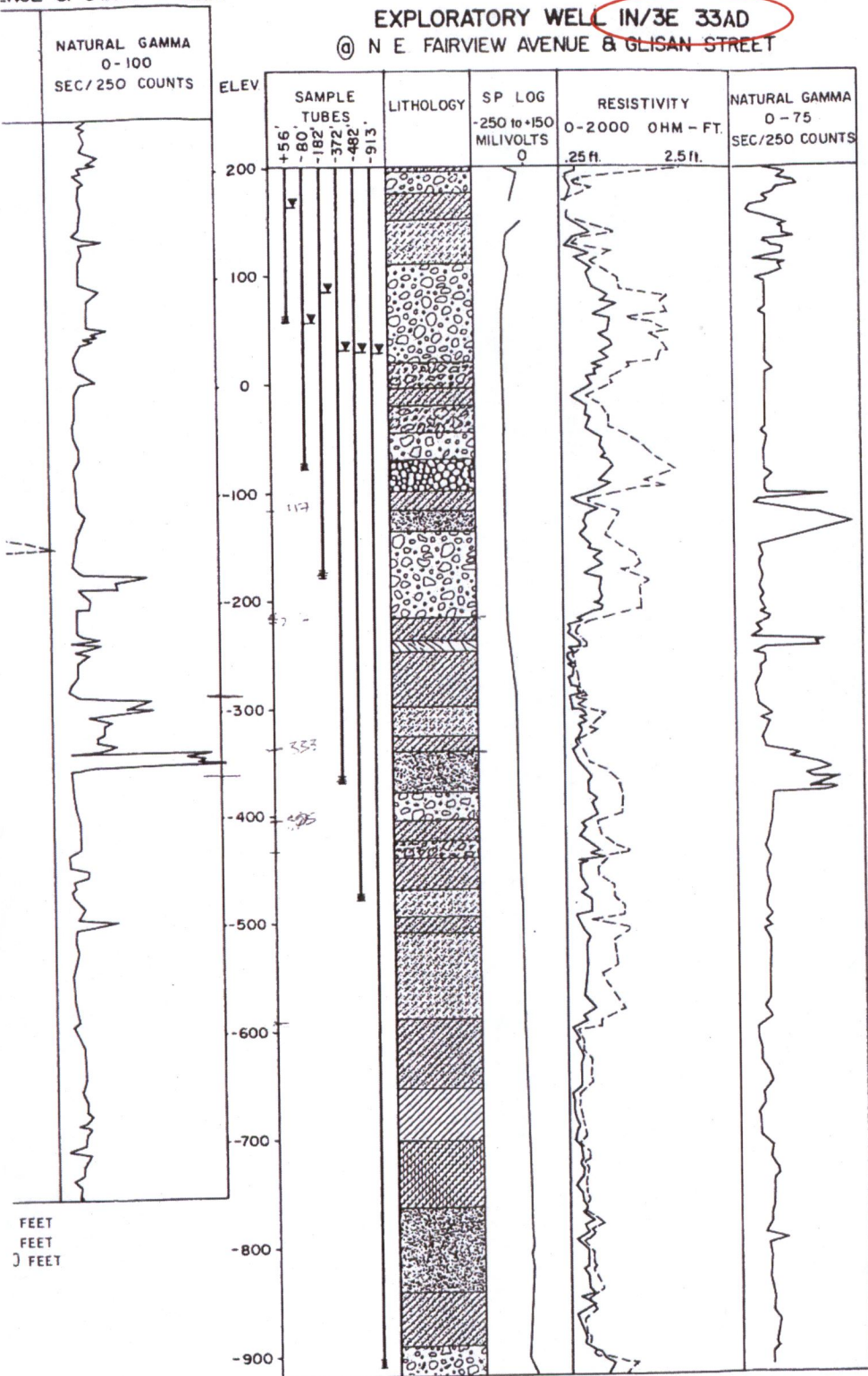
N E & STARK STREET

EXPLORATORY WELL IN/3E 33AD
 @ N E FAIRVIEW AVENUE & GLISAN STREET

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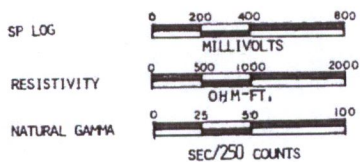
EXPLORATORY WELL IN/3E 20CB2
 ON N E 185TH DRIVE



ELEVATION OF TOP OF WELL 200 FEET
 ELEVATION OF BOTTOM OF WELL -928 FEET
 TOTAL WELL DEPTH 1128 FEET

ELEVATION OF TOP OF WELL 20 FEET
 ELEVATION OF BOTTOM OF WELL -1070 FEET
 TOTAL WELL DEPTH 1090 FEET

SCALES



VERTICAL



NOTES

1. SP LOG IS THE SPONTANEOUS POTENTIAL LOG.
2. NUMBERS UNDER THE HEADING SAMPLE TUBES INDICATE THE ELEVATION OF THE BOTTOM OF THE SCREENS AT THE END OF EACH TUBE.