



March 4, 2019

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

Re: Application for Groundwater Registration Modification in the name of the City of Milwaukie

Dear Mr. French:

Please find enclosed an application for groundwater registration modification for GR-1478, which is submitted on behalf of the City of Milwaukie. The Applicant is requesting to change the point of appropriation to "New Well 2" and to add two additional points of appropriation (Well 1 and Well 3). The Applicant is also requesting to change the place of use to within the City of Milwaukie Service Area. Please find enclosed the required fee of \$1,450.

If you have any questions about the enclosed materials, please contact me at (541) 257-9005.

Sincerely,

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

Owen McMurtrey
Water Resources Consultant

Enclosures: Check for application fee
Application for groundwater registration modification
Application attachments

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

Application for Groundwater Registration Modification

Part 1 of 5 – Minimum Requirements Checklist

This Groundwater Registration Modification application will be returned if Parts 1 through 4 and all required attachments are not completed and included.
 For questions, please call (503) 986-0900, and ask for Transfer Section.

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

- Part 1 – Completed Minimum Requirements Checklist. RECEIVED
- Part 2 – Completed Application Map Checklist. MAR 11 2019
- Part 3 – Completed Applicant Information and Signature. OWRD
- Part 4 – Completed Groundwater Registration Modification Application – Groundwater Registration Information. (Only one Groundwater registration per application, **unless** the Groundwater registrations to be modified are layered).
- Completed Groundwater Registration Modification Application Map (Does not have to be prepared by a Certified Water Right Examiner). **See Attachment A**
- Groundwater registration modification fees – Amount enclosed: \$ **1,450**. (\$875.00 for a place of use change only; \$1,250.00 for any other change or combination).

Attachments:

- N/A Request for Assignment Form and statutory fee. This form needs to be completed if the applicant owns the land to which the registration is appurtenant and is **not** the registration certificate holder of record. The Request for Assignment Form is available at <http://www.oregon.gov/owrd/pubs/docs/forms/assign.pdf>, or http://www.oregon.gov/owrd/pubs/docs/forms/assign_by_proof.pdf. Assignment is not needed for any person or entity who can demonstrate authorization to request recognition of a modification (e.g. legal representative, power of attorney, agent, etc.) **or** the applicant is named on the certificate of registration, or has been assigned to the certificate of registration.
- N/A Land Use Information Form with approval and signature (or signed land use form receipt stub). Land use form not required if any of the following apply: **See Attachment B**
 - Water is to be diverted, conveyed, and/or used only on federal lands.
 - All of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone.
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. **See Attachment C**

(For Staff Use Only)

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

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

Other/Explanation _____

Staff: _____ 503-986-0 _____ Date: ___/___/___

Part 2 of 4 – Groundwater Registration Modification Map Checklist

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

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

- Permanent quality printed with dark ink on good quality paper.
- The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
- A north arrow, a legend, and scale.
- The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
- Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
- Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
- Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads and railroads.
- Major water delivery system features from the point(s) of appropriation such as main pipelines, canals, and ditches. **N/A-The City of Milwaukie is a municipality providing water over a large area**
- Existing place of use that includes hachuring, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the registration is being changed, a separate hachuring is needed for the portion of the registration left unchanged.
- N/A If you are proposing a modification in place of use, show the proposed place of use with hachuring including priority date and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
- Existing point(s) of appropriation with distance and bearing or coordinates from a recognized survey corner.
- N/A If you are proposing a modification in point(s) of appropriation, show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5'') or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

Part 3 of 4 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME City of Milwaukie		PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS 10722 SE Main Street			Q
CITY Milwaukie	STATE OR	ZIP 97222	E-MAIL
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

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

APPLICANT/BUSINESS NAME Owen McMurtrey		PHONE NO. (541) 257-9005	ADDITIONAL CONTACT NO.
ADDRESS 1600 SW Western Avenue			FAX NO.
CITY Corvallis	STATE OR	ZIP 97333	E-MAIL omcmurtrey@gsiws.com
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.			

Explain in your own words what you propose to accomplish with this modification; and why:
The City is modifying GR-1478 to provide operational flexibility. The City is decommissioning its existing Well 2 and drilling a replacement well. The City proposes to change the point of appropriation for GR-1478 to New Well 2 and to add two additional points of appropriation: Well 1 and Well 3. The City also proposes to change the place of use to the City Service Area.

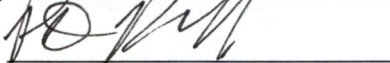
Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

(Check one box)

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

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

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


 Applicant Signature

Peter Passaroli
 Public Works Director
 Print Name (and Title if applicable)

3/5/19
 Date

Is the applicant the sole owner of the land on which the Groundwater registration modification or portion thereof, is located? Yes No *If NO, include signatures of all deeded landowners (and mailing and/or e-mail addresses if different than the applicant's) or attach affidavits of consent (and mailing and/or e-mail addresses) from all landowners or individuals/entities to which the Groundwater registration has been conveyed.*

N/A – The applicant is a municipality under ORS 540.510(3)(b)

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Check the appropriate box, if applicable:

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

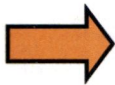
N/A - The proposed modification is not located within or served by an irrigation district or other water district.

IRRIGATION DISTRICT NAME N/A	ADDRESS	
CITY	STATE	ZIP

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

N/A-The the groundwater registration is not supplied under a water service agreement or other contract.

ENTITY NAME N/A	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 Milwaukie	ADDRESS 10722 SE Main Street	
CITY Milwaukie	STATE OR	ZIP 97222

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

Part 4 of 4 – Groundwater Registration Information

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CERTIFICATE OF REGISTRATION # GR-1478

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

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

POA Name or Number	Is this POA Authorized by the registration or is it Proposed?	OWRD Well Log ID# (or Well ID Tag # L-___)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Well 2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	CLAC 307	1	S	1	E	25	NE	SE	TL 2500	1,445 feet North and 580 feet West from the SE corner of Section 25
Well 1	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	CLAC 306	1	S	1	E	25	NE	SE	TL 2700	1,670 feet North and 470 feet West from the SE Corner of Section 25
Well 3	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	CLAC 308	1	S	1	E	25	SE	SE	TL 2500	1,280 feet North and 840 feet West from the SE corner of Section 25
New Well 2	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	NOT YET DRILLED	1	S	1	E	25	NE	SE	TL 2500	1,420 feet North and 665 feet West from the SE corner of Section 25

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

- | | |
|--|--|
| <input checked="" type="checkbox"/> Place of Use (POU) | <input checked="" type="checkbox"/> Point of Appropriation (well) (POA) |
| <input type="checkbox"/> Character of Use (USE) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |

Will all of the proposed changes affect the entire Groundwater registration?

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

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Table 2. Description of Modifications to Registration GR-1478 (Certificate # GR-1427)

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

AUTHORIZED (the "from" or "off" lands) The listing that appears in the registration BEFORE PROPOSED CHANGES List only that part or portion of the groundwater registration that will be changed.													Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.												
Twp	Rng	Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POA(s) (name or number from Table 1)	Priority Date	Twp	Rng		Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POA(s) to be used (from Table 1)	Priority Date				
EXAMPLE																										
2	S	9	E	15	NE	NW	100		15.0	Irrigation	POD #1 POD #2	1901	POU/POD	2	S	9	E	1	NW	NW	500	1	10.0		POD #5	1901
"	"	"	"	"	"	"	"	"	"	EXAMPLE	"	"	"	2	S	9	E	2	SW	NW	500		5.0		POD #6	1901
													POU, APOA	City of Milwaukee Water Service Area (see Attachment A)								MU	Well 1	12/31/1936		
													POU, APOA									MU	Well 3	12/31/1936		
													POU, POA									MU	New Well 2	12/31/1936		
TOTAL ACRES											TOTAL ACRES															

Additional remarks: **The City proposes to change the place of use to the City Service Area. The City also proposes to change the authorized point of appropriation to New Well 2 and to add Well 1 and Well 3 as additional points of appropriation.**

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Groundwater Registration # GR-1478 (Certificate # GR-1427)

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

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

N/A – The authorized use is municipal use.

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

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



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

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

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

http://apps.wrd.state.or.us/apps/gw/well_log/) **(See Attachment C)**

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.

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Table 3. Construction of Point(s) of Appropriation

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

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 1	Yes	CLAC 306	290 ft.	6 inch	From 0 to 290 ft	N/A	From 162 to 177 ft	174 ft.	Sand and gravel; Troutdale FM	N/A
Well 2	Yes	CLAC 307	290 ft.	12 inch	From 0 to 290 ft	N/A	From 183 to 198 ft From 202 to 214 ft	174 ft.	Sand and gravel; Troutdale FM	N/A
Well 3	Yes	CLAC 308	290 ft.	12 inch	From 0 to 290 ft	N/A	From 224 to 238 ft From 265 to 279 ft	174 ft.	Sand and gravel; Troutdale FM	N/A
New Well 2	No	N/A	375 ft.	16 inch	From +3 to 220 ft.	0 to 100 ft	225 to 235 ft 255 to 275 ft 315 to 320 ft 320 to 355 ft	140 ft. (approx.)	Sand and gravel; Troutdale FM	N/A

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Attachment A
Application Maps

Application for a Groundwater Registration Modification – GR-1478
City of Milwaukee

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Attachment C
Well Logs CLAC 307, CLAC 306 and CLAC 308
Application for a Groundwater Registration Modification – GR-1478
City of Milwaukie

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STATE ENGINEER
Salem, Oregon

CLAG. 00307

Well Record

GR- 1427

STATE WELL NO. 1/1-25J
COUNTY Clackamas
APPLICATION NO. GR- 1478

OWNER: The City of Milwaukie

MAILING
ADDRESS: _____

LOCATION OF WELL: Owner's No. #2

CITY AND
STATE: Milwaukie, Oregon

NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 25 T. 1 S., R. 1 W., W.M.

Bearing and distance from section or subdivision
corner 1630' N. & 600' W. from SE cor. Sec. 25
and/or 100' S. & 55' W. from NE cor. Blk. 7
of the Zanders Addition.



Altitude at well 189.26'

Section 25

TYPE OF WELL: Drilled Date Constructed 1936

Depth drilled 290' Depth cased 189.26'

CASING RECORD:

12" from 100.74' to 189.26'

FINISH:

Perforations 5/15" to 1 1/4", 5 to the ft. per row from 183' to 198' - 8 rows
" " " " " " " " 202' to 214' - 4 rows

AQUIFERS:

WATER LEVEL:

174'

PUMPING EQUIPMENT: Type Worthington Deep Well Turbine H.P. 50
Capacity 615 G.P.M.

WELL TESTS:

Drawdown 69 ft. after _____ hours 557 G.P.M.
Drawdown _____ ft. after _____ hours _____ G.P.M.

USE OF WATER Dom., Ind. & Municipal Temp. _____ °F. _____, 19 _____

SOURCE OF INFORMATION GR Record

DRILLER or DIGGER _____

ADDITIONAL DATA:

Log X Water Level Measurements _____ Chemical Analysis _____ Aquifer Test _____

REMARKS:

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STATE ENGINEER
Salem, Oregon

State Well No. 1/1-25J
County Clackamas
Application No. GR-1478

Well Log

Owner: The City of Milwaukee Owner's No. #2

Driller: _____ Date Drilled 1936

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Top soil	0	6	6
Dry hard sand	6	63	57
Gravel	63	78	15
Yellow clay, some water	78	103	25
Cement gravel	103	112	9
Clay	112	117	5
Cement gravel	117	160	43
Loose gravel, some water	160	182	22
Cement gravel	182	200	18
Loose gravel	200	205	5
Hard cement gravel	205	217	12
Clay	217	220	3
Gravel, some water	220	235	15
Cement gravel	235	283	48
Shale	283	290	7

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STATE ENGINEER
Salem, Oregon

CLAC
Well Record
00306 GR- 1428

STATE WELL NO. 1/1-25J
COUNTY Clackamas
APPLICATION NO. GR- 1479

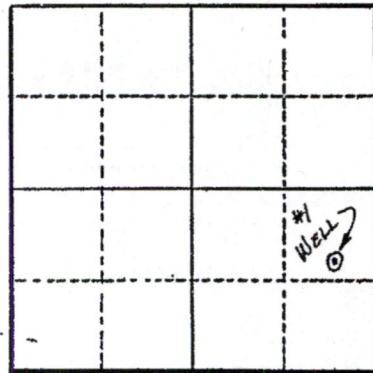
OWNER: The City of Milwaukie

MAILING ADDRESS:

LOCATION OF WELL: Owner's No. #1

CITY AND STATE: Milwaukie, Oregon

NE 1/4 SE 1/4 Sec. 25 T. 1 S. R. 1 W.M.
Bearing and distance from section or subdivision
corner 1630' N. & 600' W. from SE cor. Sec. 25
And/or 62' N. & 50' E. from SW cor. of
Blk. 5 Lot 6 of the Gloverland Addition.



Section 25

Altitude at well 189.26'

TYPE OF WELL: Drilled Date Constructed 1935

Depth drilled 290' Depth cased 185.26'

~~PERFORATIONS~~ FINISH
Perforations: 5/16" x 1 1/4", 5 to the ft. per row from 162' to 177' - 8 rows

~~MANHOLE~~ CASING RECORD:
6" from 104.74 to 185.26 ft.

AQUIFERS:

WATER LEVEL:
174'

PUMPING EQUIPMENT: Type Worthington turbine H.P. 25
Capacity 185 G.P.M.

WELL TESTS:
Drawdown 21 ft. after 174 hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER Dom., Ind., & Municipal Temp. °F. 19
SOURCE OF INFORMATION GR Record

DRILLER or DIGGER
ADDITIONAL DATA:
Log X Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:
See Application #GR- 1478 for log as these are identical.

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STATE ENGINEER
Salem, Oregon

CLAC: 00308

Well Record

GR- 1429

STATE WELL NO. 1/1-25J
COUNTY Clackamas
APPLICATION NO. GR- 1480

OWNER: The City of Milwaukie

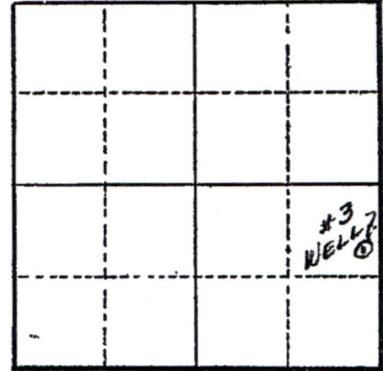
MAILING ADDRESS:

LOCATION OF WELL: Owner's No. #3

CITY AND STATE: Milwaukie, Oregon

NE 1/4 SE 1/4 Sec. 25 T. 1 S., R. 1 W., W.M.

Bearing and distance from section or subdivision corner 265' S. & 275' W. from NE cor. Blk. 7 of the Zanders Addition.



Section 25

Altitude at well 189.26'

TYPE OF WELL: Drilled Date Constructed 1946

Depth drilled 290' Depth cased 188.26'

CASING RECORD:

12" from 101.74 to 188.26'

FINISH:

Perforations: 5/15" to 1 1/4" (5/ft./row from 224' to 238' - 4 rows
" " " " " " 265' to 279' - 4 rows

AQUIFERS:

WATER LEVEL:

174'

PUMPING EQUIPMENT: Type Worthington turbine H.P. 50
Capacity 650 G.P.M.

WELL TESTS:

Drawdown 35 ft. after hours 585 G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER Dom., Ind., & Municipal Temp. °F. 19

SOURCE OF INFORMATION GR Record

DRILLER or DIGGER

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

See Application #GR-1478 for log as these are identical

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Attachment D

GR-1478

Application for a Groundwater Registration Modification – GR-1478

City of Milwaukie

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MAR 5 1958
STATE ENGINEER
SALEM, OREGON

REGISTRATION NO. GR-1478

Registration Statement

CERTIFICATE NO. GR-1427

STATEMENT OF CLAIMANT OF RIGHT TO APPROPRIATE GROUND WATER

(Under Chapter 708, Oregon Laws 1955.)

RECEIVED
APR 20 1958
STATE ENGINEER
SALEM, OREGON

TO THE STATE ENGINEER OF OREGON:

I, The City of Milwaukie
of _____ County of Clackamas
State of Oregon, do hereby make application for a certificate of registration as evidence of a right to appropriate ground water.

1. Source from which water is withdrawn is Pump Well # 2
(Flowing well, pump well, infiltration trench, or tunnel)
2. Location is: Milwaukie, Oregon, Tracts 6 & 7 - Zanders Addition
(Approximate distance and direction from nearest city or town)

and is more particularly described as follows:

(a) 1630 Feet North & 600 Feet West S. E. Corn. Sec. 25
(Give distance and bearing to corner of section or other legal subdivision)

being within Zanders Addition NE 1/4 SE 1/4 of Sec. S. E. 1 - 25, Twp. 1 - S, Rge. 1 - E
(Smallest legal subdivision) (N. or S.) (E. or W.)

or (b) within limits of recorded platted property, town or city: Milwaukie, Oregon
~~S. W. 1/4 Sec. 100 - 100 - 20 - 70 Block # 5 - Zanders Addition~~
Tracts ~~6 & 7, Block~~ 6 & 7, Block of Zanders Addition to Milwaukie
(Name of plat or addition)

Milwaukie County of Clackamas
(If within city or town, give name)

3. Construction Work was begun in 1936; was completed in 1936
(Date) (Date)

and the ground water claimed was first used for the purposes set out below in 1936
(Date)

since which time the water has been used Continuously
(Continuously or intermittently)

from 1936 to Date
(Date) (Date)

4. Quantity of water claimed and used is 380 gallons per minute; 606 acre feet per year.

5. Purpose or Purposes for which water is used
Domestic, Municipal, Industrial
(Domestic, irrigation, municipal, manufacturing, industrial, etc.)

6. Description of Well: Depth 290 feet. Type Drilled
(Dug or drilled)

diameter 12" inches. Elevation of ground at well site 189.26 feet, mean sea level.
(As near as known)

Depth to water table 174 feet.

7. Capacity of Well: 557 g.p.m. with 69 feet drawdown.
_____ g.p.m. with _____ feet drawdown.

Date of test Jan. 1957 to Jan. 1958

If Flowing Well: Measured discharge _____ g.p.m. on _____
(Date)

Shut-in pressure at ground surface _____ lbs. per sq. in. on _____
(Date)

Water is controlled by _____
(Cap, valve, etc.)

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8. Casing: (Give diameter, commercial specifications and depth below ground surface of each casing size.)

12" inch diameter #2 Well from + 189.26 to - 100.74 feet
 inch diameter from to feet
 inch diameter from to feet
 inch diameter from to feet

Describe and show depth of shoe, plug, adapter, liner or other details: Steel Casing.

9. Perforated Casings or Screens:

Well #1 → Perforations 5/15" to 1 1/4 inch, 5 to the Ft. per row from 162 to 177 - 8 rows
 (Number per foot and size of perforations, or describe screen)
 #2 → " " " " " " " " " " " " " " from 183 to 198 - 8 rows
 #3 → " " " " " " " " " " " " " " from 202 to 214 - 4 rows
 " " " " " " " " " " " " " " from 224 to 238 - 4 rows
 " " " " " " " " " " " " " " from 265 to 279 - 4 rows

10. Log of Well: (Describe each stratum or formation clearly, indicate if water bearing, and give thickness and depth as indicated.)

MATERIAL	Thickness (Feet)	Depth to Bottom (Feet)
Top soil	6 Ft.	
Dry Hard sand	57 Ft.	
Gravel	15 Ft.	
Yellow Clay, Some water	25 Ft.	
Cement gravel	9 Ft.	
Clay	5 Ft.	
Cement gravel	43 Ft.	
Loose gravel, some water	22 Ft.	
Cement gravel	18 Ft.	
Loose gravel	5 Ft.	
Hard cement gravel	12 Ft.	
Clay	3 Ft.	
Gravel, some water	15 Ft.	
Cement gravel	48 Ft.	
Shale	7 Ft.	290 Ft.

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GR-1427

If log of well is not available, give name and address of driller.

11. Infiltration Trench: Covered or open

Dimensions: Length ft. Minimum depth ft. Maximum depth ft.

Bottom width ft. Discharge g.p.m. Date of test

12. Tunnel: Type of lining

Dimensions:
(Length, course, and cross sectional size)

Position of water bearing stratum with reference to portal of tunnel

Log of tunnel: (Preceding table for log of well may be used, if desired. Give footage from portal and character of materials, as pertinent.)

13. Pumping Equipment:

(a) Pump: Warrington Turbine deep well Capacity 415 g.p.m.
(Make, type and size)

(b) Motor: General Electric Induction 3 phase 50 H.P. 6.0 Cycle A.C.
(Type and horsepower)

14. Location of area irrigated or to be irrigated, or place of use if for purposes other than irrigation.

Township North or South	Range E. or W. of Willamette Meridian	Section	Forty-acre Tract	Number Acres To Be Irrigated	Date of Reclamation
1 - South	1 - East	26	S. E. $\frac{1}{4}$ N. E. $\frac{1}{4}$	Municipal	1936
1 - South	1 - East	25	S. W. $\frac{1}{4}$		
1 - South	1 - East	26	S. E. $\frac{1}{4}$ N. E. $\frac{1}{4}$		
1 - South	1 - East	25	S. W. $\frac{1}{4}$ N. W. $\frac{1}{4}$		
1 - South	1 - East	25	S. E. $\frac{1}{4}$		
1 - South	2 - East	30	S. W. $\frac{1}{4}$ S. W. $\frac{1}{4}$		
1 - South	1 - East	35	N. E. $\frac{1}{4}$		
1 - South	1 - East	36	N. W. $\frac{1}{4}$		
1 - South	1 - East	36	N. E. $\frac{1}{4}$		
1 - South	2 - East	31	N. W. $\frac{1}{4}$		
1 - South	1 - East	35	S. E. $\frac{1}{4}$ S. E. $\frac{1}{4}$		
1 - South	1 - East	36	S. W. $\frac{1}{4}$ S. W. $\frac{1}{4}$		
1 - South	1 - East	36	S. E. $\frac{1}{4}$		
1 - South	2 - East	30	N. W. $\frac{1}{4}$ S. W. $\frac{1}{4}$		

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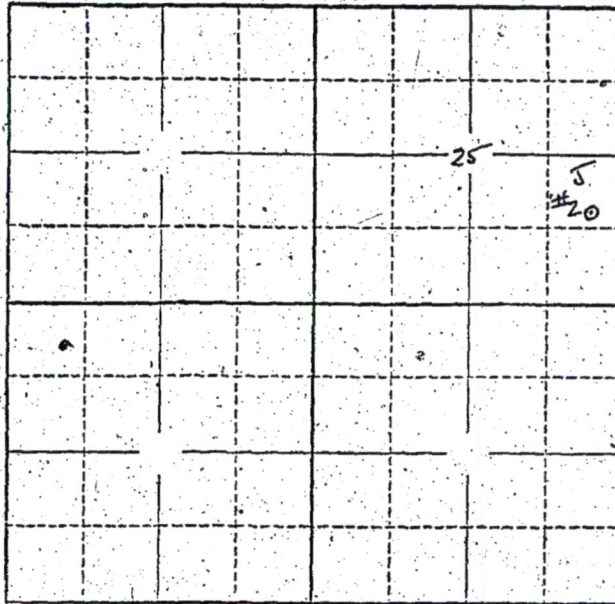
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15. If the ground water supply is supplemental to an existing water supply, identification of any application for a permit, permit, certificate or adjudicated right to appropriate water made or held by the registrant.

GR-1427

13143

Township 1 S Range 1 E W.M.
North



Locate well and acreage of irrigated land on plat.
Scale: 2" = 1 Mile

STATE OF OREGON

County of Clatsop } ss.

I, Edith B. Bennett, being first duly sworn, do hereby certify that I have read the foregoing Registration Statement and that all of the items therein contained are true to the best of my knowledge and belief.

City of Multnomah
Edith B. Bennett
(Signature of Registrant)

Subscribed and sworn to before me this 3 day of March, 1958

My commission expires March 1961
R. J. [Signature]
(Notary Public)

(SEAL)

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CERTIFICATE OF REGISTRATION

STATE OF OREGON } ss.
County of Marion

This is to certify that the foregoing Registration Statement was received in the office of the State Engineer on the 22nd day of April, 1958, at 8:00 o'clock A. M. and has been duly recorded in said office in Book No. 7 of Registration Statements on page GR-1427

~~Construction shall be completed by _____ and the water certificate applied to _____~~

Witness my hand this 20th day of October, 1958
Laura A. Stanley
(State Engineer)

By _____
(Deputy) GR-1427