



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.
- ☒ Part 2 – Completed Application Map Checklist.
- ☒ Part 3 – Completed Applicant Information and Signature.
- ☒ Part 4 – Completed Ground Water Registration Modification Application – Ground Water Registration Information. (Only one ground water registration per application, **unless** the ground water registrations to be modified are layered).
- ☒ Completed Ground Water Registration Modification Application Map (Does not have to be prepared by a Certified Water Right Examiner).
- ☒ Groundwater registration modification fees – Amount enclosed: \$ **1,450**.
(\$875.00 for a place of use change only; \$1,450 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:
 - ☐ 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.

(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.
- ☒ Existing place of use that includes hachuring, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the registration is being changed, a separate hachuring is needed for the portion of the registration left unchanged
- ☒ ☐ N/A If you are proposing a modification in place of use, show the proposed place of use with hachuring including priority date and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
- ☒ Existing point(s) of appropriation with distance and bearing or coordinates from a recognized survey corner.
- ☒ ☐ N/A If you are proposing a modification in point(s) of appropriation, show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

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Part 3 of 4 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME Thomas M. and Barbara R. Buchholz			PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS PO Box 710			FAX NO.	
CITY Mt. Angel	STATE OR	ZIP 97362	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

AGENT/BUSINESS NAME Doann Hamilton/Pacific Hydro-Geology, Inc.			PHONE NO. (503) 632-5016	ADDITIONAL CONTACT NO. (503) 349-6946 (cell)
ADDRESS 18487 S. Valley Vista Road			FAX NO. (503) 632-5983	
CITY Mulino	STATE OR	ZIP 97042	E-MAIL phgdmh@gmail.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:

We wish to move GR 353 to cover other nearby property not currently covered by water rights. In addition, the authorized Well 1 (MARI 2982) for GR 353 has not been producing enough water and usually goes dry in June. We need the additional Well 2 (MARI 17078) to help irrigate the full irrigation season.

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

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

(Check one box)

- ☒ By signing this application, I (we) understand that, upon receipt of the draft preliminary determination and prior to Department approval of the 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.

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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: Silverton Appeal.

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



Thomas M. Buchholz
Applicant Signature
Barbara R. Buchholz
Applicant Signature

Tom Buchholz
Print Name and title if applicable
Barb Buchholz
Print Name and title if applicable

5/22/18
Date
5/25/18
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.

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.

IRRIGATION DISTRICT NAME NA	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.

ENTITY NAME NA	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 Marion County Planning Division	ADDRESS 5155 Silverton Road NE	
CITY Salem	STATE Oregon	ZIP 97305

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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Part 4 of 4 – Groundwater Registration Information

Please use a separate Part 4 for each registration being modified. See instructions on page 5, to copy and paste additional Part 4s, or to add additional rows to tables within the form.

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)
Authorized Well 1	☒ Authorized ☐ Proposed	MARI 2982	6	S	1	W	1	SW	SW	1300	84.3 feet north and 324.7 feet east from section corner: 1, 2, 11 & 12.
Proposed Well 2	☐ Authorized ☒ Proposed	MARI 17078	6	S	1	W	12	NE	NW	300	940 feet south and 1,360 feet east from the NW corner, Section 12.

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

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

Will all of the proposed changes affect the entire 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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Please use and attach additional pages of Table 2 as needed.
See page 5 for instructions.

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

Table 2. Description of Modifications to Registration GR-353 (Certificate # GR-339)

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

AUTHORIZED (the "from" or "off" lands) The listing that appears in the registration BEFORE PROPOSED CHANGES List only that part or portion of the groundwater registration that will be changed.										Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.									
Twp	Rng	Sec	$\frac{1}{4}$ $\frac{1}{4}$	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	$\frac{1}{4}$ $\frac{1}{4}$	Tax Lot	Gvt Lot or DLC	Acres	New Type of USE	POA(s) to be used (from Table 1)	Priority Date
										POU, APOA	6 S	1 W	12	NE NE	100	NA	6.2	IR	Wells 1 & 2	9-1- 1952
										POU, APOA	6 S	1 W	12	SW NW	400	NA	5.54	IR	Wells 1 & 2	9-1- 1952
										POU, APOA	6 S	1 W	12	SE NW	100, 400	NA	27.2	IR	Wells 1 & 2	9-1- 1952
TOTAL ACRES											TOTAL ACRES						38.94			

Additional remarks: The map on file at OWRD for GR 353 showed the POU as comprising the entire SW SW quarter-quarter section of Section 1, with a total area of 40.0 acres. However, according to Marion County, TL 1200 covers an area of 19.85 acres, TL 1300 covers an area of 18.37 acres, and TL 1400 covers an area of 0.72 acres, equaling a combined total of 38.94 acres within the SW SW quarter-quarter section. Therefore, it seems that the registered place of use cannot be more than 38.94 acres, and may require a re-description.

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Groundwater Registration # GR-353 (Certificate # GR-339)

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

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/)

AND/OR

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

Table 3. Construction of Point(s) of Appropriation

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

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
Authorized Well 1	Yes	MARI 2982	251 feet	8 inch	0 to 180 feet	NR	NR	59 feet per well log	Basalt	275 gpm
Proposed Well 2	Yes	MARI 17078	400 feet	10 and 8 inch	10 inch: 0 to 164 feet; 8 inch: 158 to 400 feet	0 to 164 feet	287 to 395	170.50 feet (3-15-17)	Basalt	400-500 gpm

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STATE ENGINEER
Salem, Oregon

2983
MARION

Well Record

STATE WELL NO. 6/1W-1N (1)
COUNTY Marion
APPLICATION NO. GR-353

OWNER: Walter Duda

MAILING

ADDRESS:

Rt. 1, Box 16

CITY AND

STATE:

Mt. Angel, Oregon

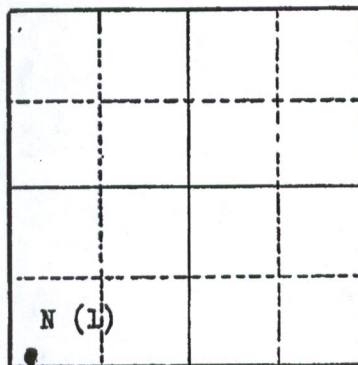
LOCATION OF WELL: Owner's No. #2

SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 1 T. 6 N. S. R. 1 E. W.M.

Bearing and distance from section or subdivision

corner 84.3' N. & 324.7' E. from S.E. Sec.

Cor. 2.



Section 1

Altitude at well 175-200

TYPE OF WELL: Drilled Date Constructed May 1953

Depth drilled 251 Depth cased 180

CASING RECORD:

8 inch

FINISH:

AQUIFERS:

WATER LEVEL:

59

PUMPING EQUIPMENT: Type Turbine

H.P. 10

Capacity 275 G.P.M.

WELL TESTS:

Drawdown ft. after hours G.P.M.

Drawdown ft. after hours G.P.M.

USE OF WATER Irrigation Temp. °F. 19

SOURCE OF INFORMATION Ground Water Registration Record

DRILLER or DIGGER

ADDITIONAL DATA:

Log X Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

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OWRD Well Log

County Marion

Application No. GR-353.

Owner's No. #2

Date Drilled May 1953

[illegible]

DEC 17 1990

#14

STATE OF OREGON WATER RESOURCES DEPT.
WATER WELL REPORT SALEM, OREGON
(as required by ORS 537.765)

Marion
17078

GS/11/12/90

(START CARD) # 24848

(1) OWNER:

Name Kenneth Buchholz

Well Number:

Address 10266 Buchholz Ln NE

City Mt. Angel

State OR

Zip 97362

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☐ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 400 ft.Explosives used Yes ☐ No ☒ Type Amount

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
14	0	164	Cement	0	164	85
			Bentonite			9
10	164	400				

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

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	10	+1	164	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	8	-158	400		☒	☐	☒	☐
					☐	☐	☐	☐

Final location of shoe(s) 10" @ 164' 8" @ 158' 8" @ 400'

(7) PERFORATIONS/SCREENS:

☒ Perforations Method Air perforation

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tel./pipe size	Casing	Liner
287	395		5000	1/4 X 1		☐	☒
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing ☐ Artesian

Yield gal/min	Drawdown	Drill stem at	Time
400-500		400	1 hr.

Temperature of water 55 Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whomDid any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Marion Latitude 1W Longitude
Township 6S N or S. Range 1W E or W. WM.
Section 12 NW 1/4 NW 1/4
Tax Lot Lot Block Subdivision
Street Address of Well (or nearest address) 10266 Buchholz Ln NE
MT. Angel OR 97362

(10) STATIC WATER LEVEL:

151 ft. below land surface.

Date 11-16-90

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 286'

From	To	Estimated Flow Rate	SWL
286	306	350	151
335	375	150	151

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Top soil	0	1	
Clay brown medium	1	6	
Clay brown sandy w/ small gravels	6	42	
Clay grey with gravels	42	63	
Clay brown medium	63	92	
Clay grey sticky	92	152	
Basalt grey	152	167	
Claystone green hard	167	173	
Basalt grey hard	173	196	
Basalt weathered pourous	196	200	
Basalt grey course gran. visic.	200	262	
Claystone blue soft	262	271	
Basalt med. green & gray	271	286	
Basalt very fractured & weathered brown	286	309	
Basalt grey hard	309	335	
Basalt weathered	335	347	
Basalt black pourous	347	355	
Claystone green hard	355	358	
Basalt black pourous with green claystone interbeds	358	375	
Basalt black hard	375	400	

Date started 11-8-90 Completed 11-16-90

(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 Bryon Stahl WWC Number 1358
Date 12/12/90

(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 CHS WWC Number 723
Date 12/12/90