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Pacific Hydro-Geology Inc.

Memo

To: Oregon Water Resources Department / Stacy Phillips

From: Doann Hamilton, CWRE

CC:

Date: February 14, 2023

Re: Permit Amendment T-13680

On February 14, 2023 I received an email from Stacy Phillips of OWRD concerning the map submitted for a permit amendment T-13680 for Application G-18571, Permit G-18042 regarding the Well Log ID. Corrections have been made to the map, Table 1 and 3 to reflect the corrected Well Log ID to be CLAC 76245.

Attached is the corrected map, Table 1 and 3 to reflect this change.



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.

PERMIT # G-18042

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.)

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)
Authorized Well 1	☒ Authorized ☐ Proposed	NA	5 S	1 E	2	SW NE	TL 600	435 feet north and 350 feet east from the center, Section 2.
Proposed Well 1	☐ Authorized ☒ Proposed	CLAC 76245	5 S	1 E	2	SW NE	TL 600	245 feet north and 370 feet east from the center, Section 2.
	☐ Authorized ☐ Proposed							

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

- ☐ Place of Use (POU)

☒ Point of Appropriation/Well (POA)

☐ Point of Diversion (POD)

☐ Additional Point of Appropriation (APOA)

☐ Additional Point of Diversion (APOD)

☐ 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: - NA

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.

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

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

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://apps.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
Authorized Well 1	No	NA	300 feet	12 inch	0 to 300 feet	0 to 60 feet	TBD	NA	Alluvial	Not less than full rate of water right
Proposed Well 1	Yes	CLAC 76245	SEE WELL LOG CLAC 76245							

Revised
2-14-2023
DH

CLAC 76245

Amended 3/1/2021

WESTERBERG DRILLING INC.

PO BOX 1228

MOLALLA, OR 97038

WELL I.D. LABEL# 138739- 138738

START CARD # 217003

ORIGINAL LOG #

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

(1) LAND OWNER

Owner Well I.D. _____

First Name _____

Last Name _____

Company Highland Meadow Nursery

Address 10377 Toliver Rd

City Molalla

State OR

Zip 97038

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Conversion☐ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Dia + From To Gauge Stl Plstc Wld Thrd

Casing: _____

Material From To Amt sacks/lbs

Seal: _____

(3) DRILL METHOD

☒ Rotary Air ☐ Rotary Mud ☒ Cable ☐ Auger ☐ Cable Mud☐ Reverse Rotary ☐ Other _____

(4) PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Community☐ Industrial/ Commercial ☐ Livestock ☐ Dewatering☐ Thermal ☐ Injection ☐ Other _____

(5) BORE HOLE CONSTRUCTION

Special Standard ☐ (Attach copy)

Depth of Completed Well 294.5 ft.

BORE HOLE

Dia	From	To	Material	From	To	Amt	sacks/lbs
12	0	57	Cement	2	57	53	S
8	57	297			Calculated	20	
			Bentonite	0	2	2	S
					Calculated	2	

How was seal placed: Method

☐ A ☐ B ☒ C ☐ D ☐ E☒ Other Bentonite Placed Dry

Backfill placed from 294 ft. to 297 ft. Material C.S. Sand

Filter pack from 163 ft. to 294.5 ft. Material C.S.S. Size 6/9

Explosives used: ☐ Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
☒	☒	8	☒	1.5	205	.250	☒	☒	☒	☒
☐	☐	6	☐	162	202.5	.250	☐	☐	☐	☐
☐	☐	6	☐	290.5	294.5	.250	☐	☐	☐	☐

Shoe ☐ Inside ☒ Outside ☐ Other Location of shoe(s) 297Temp casing ☒ Yes Dia 12 From + 0 To 56

(7) PERFORATIONS/SCREENS

Perforations Method

Screens Type V-Wire

Material Stainless Steel

Perf/S	Casing/Screen	Dia	From	To	Screen slot width	Slot length	# of slots	Tele/pipe size
Screen	5	202.5	239.5	.060				5
Screen	5	273.5	290.5	.060				5

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
250	53		4

Temperature 56 °F Lab analysis ☐ Yes By _____Water quality concerns? ☐ Yes (describe below) TDS amount 188 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County CLACKAMAS Twp 5 S N/S Range 1 E E/W WM

Sec 2 SW 1/4 of the NE 1/4 Tax Lot 600

Tax Map Number _____ Lot _____

Lat _____ or _____ DMS or DD

Long _____ or _____ DMS or DD

☒ Street address of well ☐ Nearest address

10519 S. Toliver Rd, Molalla, OR 97038

(10) STATIC WATER LEVEL

Existing Well / Pre-Alteration Date SWL(psi) + SWL(ft)

Completed Well 12-23-2020 51

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 78

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
	206	241	100		51
	275	292	150		51

(11) WELL LOG

Ground Elevation _____

Material	From	To
Top Soil	0	1.5
Silty Clay	1.5	6
Clay Brown Sticky	6	17
Clay Grey Sandy	17	23
Gravel, Cobbles & Clay Brown - Some Boulder Size	23	76
Grey Brown Crumbly	76	78
Gravel Medium Course Cemented with Clay	78	127
Clay Grey	127	133
Gravel Brown Medium Cemented	133	136
Gravel Grey Medium Cemented	136	147
Clay Grey	147	158
Black Cemented Sand	158	170
Clay Grey	170	176
Black Sand & Gravel Cemented	176	181
Clay Grey with Some Gravel	181	206
Course Black Sand with Some Fine Gravel	206	222
Cemented Sand Black w/Layers of Silt & Clay Grey	222	241
Clay Grey	241	264
Siltstone	264	268

Date Started 09-30-2020

Completed 12-23-2020

(unbonded) Water Well Constructor Certification

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

License Number _____

Date

JAN 14 2021

Signed _____

(bonded) Water Well Constructor Certification

OWRD

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

License Number 688

Date 01-06-2021

Signed

Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version: 0.95

OREGON
WATER RESOURCES DEPT
WELL #
L138738
DO NOT REMOVE LABEL

03/02/2021 13:49