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Pacific Hydro-Geology Inc.

Memo

E-RECEIVED
JUL 17, 2025
OWRD

To: Oregon Water Resources Department / Lucinda Vranizan
From: Doann Hamilton, CWRE
CC:
Date: July 17, 2025
Re: Application G-19426

The Initial Review (IR) for our client, Kraemer Farms water right Application G-19426 was issued: June 13, 2025 to deny the request due to two issues:

1. The requested rate of 0.82 cfs is not allowed due to Potential for Substantial Interference (PSI) but noted if the rate was reduced to 0.09 cfs a more favorable review would be likely.
2. Proposed Well 2 needed to be greater than $\frac{1}{4}$ from Abiqua Creek

After discussing with our client, he has agreed to:

- a. move the location of proposed Well 2
- b. lower the requested rate to 0.09 cfs and 44.0AF
- c. and to comply with the 1AF per acre our client has reduced the acres to 44.0 acres.

Attached are the revised map and application pages showing the reduced rate and acres along with the new location of Well 2.

Please let us know you have received and this will allow the application to proceed to a more favorable review.



SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

- ☒ YES, there are no encumbrances.
☐ YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
☐ NO, I have a recorded easement or written authorization permitting access.
☐ NO, I do not currently have written authorization or easement permitting access.
☐ NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
☐ NO, because water is to be diverted, conveyed, and/or used only on federal lands.

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Affected Landowners: List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary).*

NA

Legal Description: You must provide the legal description of: 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3. Any property on which the water is to be used as depicted on the map.

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
WELL 1	ABIQUA CREEK	~ 1,000 FEET	~ 140 FEET
WELL 2	ABIQUA CREEK	~1,800 FEET	~80 FEET

Noted
7/17/25
Rt

Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials *(attach additional sheets if necessary).*

For Well 1 see Well Log MARI 17225

Well 2 specifications provided in the table below are estimates and subject to change based on actual conditions encountered in the field. The objective will be to construct the well to develop water from a basalt aquifer

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: **0.09 cfs** (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

Revised 7-17-25 JH

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. *(If a well log is available, please submit it in addition to completing the table.)* If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL- SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
WELL 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MARI 17225	<input type="checkbox"/>	8 INCH	0 TO 61	182 TO 262	0 TO 61	132 (PER WELL LOG 4-3-1991)	BASALT	262		
WELL 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA	<input type="checkbox"/>	8 INCH	0 TO 65	TBD	0 TO 65	NA	BASALT	300		
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>						TOTAL:		40.4 GPM	44 AF
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									

* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.

** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.

*** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

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recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, you will be required to provide the following information, if applicable.

☐ Yes ☒ No The proposed use is for more than one cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

If yes, provide a description of the measures to be taken to assure reasonably efficient water use:

NA

Statewide - OAR 690-033-0330 thru -0340

Is the well or proposed well located in an area where the Statewide rules apply?

☒ Yes ☐ No

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If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve "no loss of essential habitat of threatened and endangered (T&E) fish species," or "no net loss of essential habitat of sensitive (S) fish species." If conditions cannot be identified that meet the standards of no loss of essential T E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

SECTION 5: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	March 1 through October 31	44 AF

For irrigation use only:

Please indicate the number of primary, supplemental and/or nursery acres to be irrigated (*must match map*).

Primary: 44.0 Acres

Supplemental: NA Acres

Nursery Use: NA Acres

If you listed supplemental acres, list the Permit or Certificate number of the underlying primary water right(s):

NA

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 44 AF

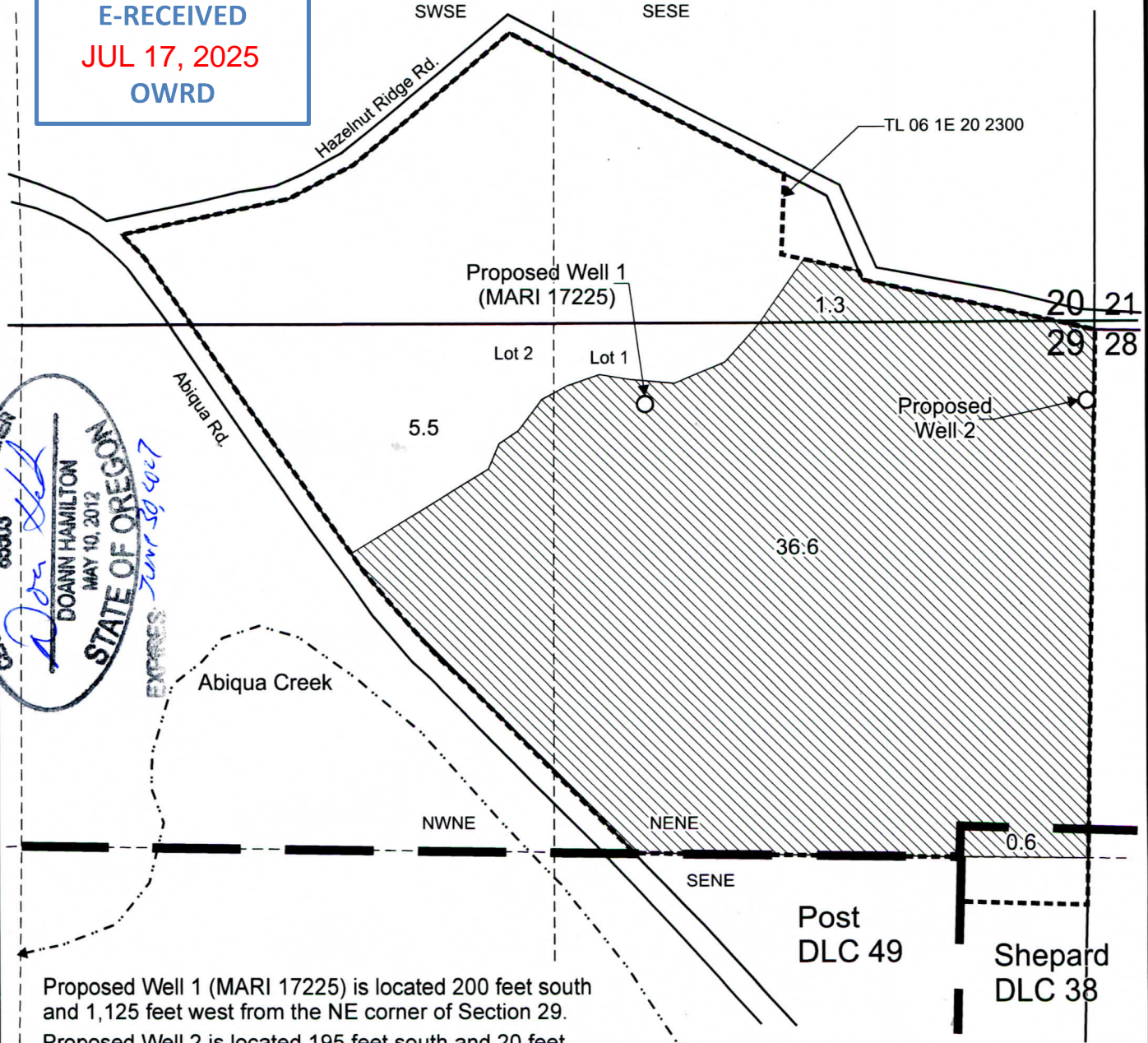
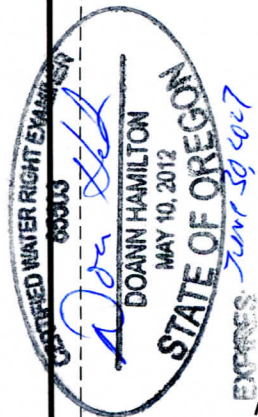
Revised
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Proposed Well 1 (MARI 17225) is located 200 feet south and 1,125 feet west from the NE corner of Section 29.

Proposed Well 2 is located 195 feet south and 20 feet west from the NE corner of Section 29.

 Area (44.0 Acres) to be irrigated.

----- Tax lot boundary

———— Donation Land Claim boundary

Scale: 1" = 400'



This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Water Right Application Map

Pacific Hydro-Geology Inc.

03/2024
REV. 07/2025

Kraemer Farms
T.6S. R.1E. Section 20 & 29, W.M.