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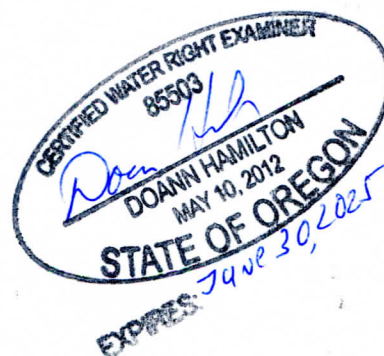
Pacific Hydro-Geology Inc.

Memo

E-RECEIVED
OCT 04 2024
OWRD

To: Oregon Water Resources Department / Lucinda Vranizan
From: Doann Hamilton, CWRE
CC:
Date: October 4, 2024
Re: Application G-19449

On October 4, 2024, we received an email from Lucinda Vranizan, caseworker for our client, UU Ranch LLC c/o Trent Doman stating the groundwater department reviewer determined there was insufficient information to complete the review. At issue was the Well Development Table on page 4, needing to specifically identify the target aquifer. Attached is the revised pages to the application to make this change and copy of an email from Justin Iverson dated March 12, 2024.



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*).

Hydrogeologic conditions in this area are not well documented and seem to be highly variable, making it difficult to estimate with any accuracy the depths at which water is likely to be encountered. Therefore, the well 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 either from the Boring Lava, and/or from the alluvial aquifer underlying the Boring Lava (i.e., the Troutdale Gravel Aquifer), if there isn't adequate water in the Boring Lava (please see attached copy of email message from Justin Iverson, dated March 12, 2024).

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Revised
10-4-2024
PH

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: **0.223 cfs** (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

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.

*Revised 10-4-24
RH*

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	☒	☐	NA	☐	6 INCH	0 TO 50	50-300	0 TO 50	NA	BORING LAVA AND/OR UNDERLYING TROUTDALE GRAVEL AQUIFER			
WELL 2	☒	☐	NA	☐	6 INCH	0 TO 50	50-300	0 TO 50	NA				
	☐	☐		☐									
	☐	☐		☐						TOTAL:		100 GPM	106.9 AF
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									

* 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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