



April 27, 2023

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Re: **Trask River RV Park (PWS #[95561](#)) - Well #1 (St Card #1060581, [TILL53275](#))  
Site Plan Approval ([PR #54-2023](#))**

Dear Mr. Butts:

Thank you for your assistance with the development of a new well and water system improvements to supply the Trask River RV Park (PWS ID# 95561) [assigned plan review #54-2023](#).

**I am addressing this Site Plan Approval letter to you to document that the location chosen for the new well was submitted to DWS and a pre-construction well evaluation was completed prior to drilling.** Bill Blair with Dickerson Well Drilling (503-507-0736) was also provided a link to our [construction standards](#) for new wells prior to drilling. The coordinates of the new well (assigned Start Card # 1060581) were received on April 4, 2023, and relayed to both Nikki Hendricks (our geologist, Tom Pattee, for his evaluation, which was completed and relayed to Jay Williamson (503-812-5077) on April 5, 2023. **A verbal approval for the well to be drilled was given by me to Mr Williamson given the plan review had not officially been initiated (the \$825 plan review fee is still pending receipt).**



At this time, the new well is anticipated to be designated “**SRC-AB – 2023 Well #1 – L148793**” under the existing entry point “**EP-A**”, which, once approved will appear online at: <https://yourwater.oregon.gov/inventory.php?pwsno=95561>

As part of the site plan approval, Mr. Pattee noted the following in his evaluation for the **proposed** well location at:

Latitude: 45°26'04.4592"N , Longitude: -123°36'21.1314"W (coordinates provided by well driller)

**Evaluation Results From Regional Hydrogeologist:**

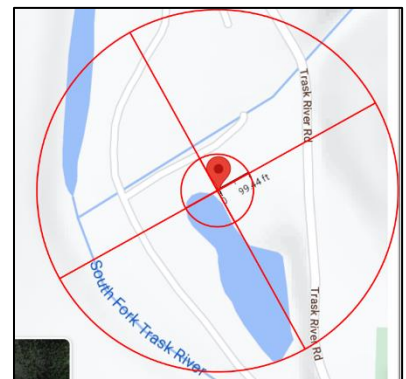
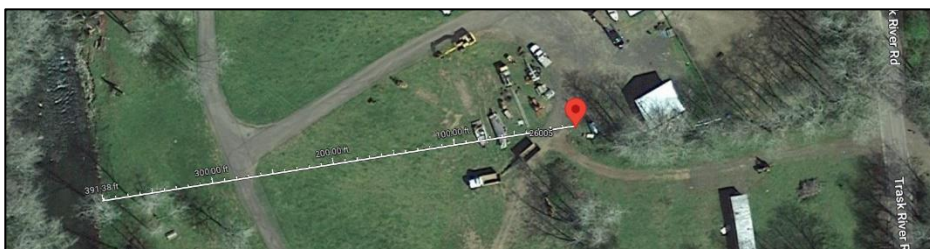
**Proposed Well Construction Recommendations:**

Estimated depth to water-bearing zone: 25 to 75 ft

Estimated aquifer nature:  Confined       Unconfined

Estimated depth of casing seal: 18 ft minimum, deeper depending on depth to bedrock.

Comments: Based on well logs for existing wells within Township 1 S., Range 8 W., Section 36, the water-bearing zones in this area are associated with the bedrock that underlies the surface deposits. Water within the bedrock is likely restricted to fractures with the depth to the first water-bearing fracture likely within 25 to 75 ft of the surface. The water-bearing fractures appear to display a confined condition with water-levels rising above the point at which water is first encountered. Final interpretation of the aquifer condition will be determined after a well log has been submitted for review. The depth of the casing seal should be determined based on materials encountered during drilling in accordance with Oregon Water Resources Department well construction standards.



Following drilling, Mr. Pattee noted the following in his evaluation of the well log ([TILL53275](#)) for the final drilled well located at:

Latitude: [45.43454429](#) Longitude: [-123.60581246](#) (Coordinates provided on well log)  
[Click here for GoogleMaps](#)

*“The well appears to be adequately constructed into a confined sandstone aquifer. At this time, well construction and aquifer characteristics suggest that the well is **not highly sensitive to local land use practices**. Should chemical and/or bacteria monitoring results suggest that there is a pathway for contaminants originating at the surface to enter the aquifer system, the aquifer sensitivity characteristics should be re-evaluated before considering a waiver from construction standards [e.g., a setback waiver]. Activities such as vehicle storage, a horse coral, and private roadway/driveway, which may be present within the 100-ft sanitary setback are not considered high risk activities. Therefore, at this time, water quality from the well is not considered to be highly susceptible to contamination from these activities.”*

Furthermore, Mr. Pattee concluded that, due to the confined nature of the aquifer, **the well will not need to be further evaluated for being under the influence of surface water**. It was noted that the South Fork Trask River is located roughly 400-ft to the southwest of the well and a creek is located roughly 270-ft to the northwest of the well.



**As previously mentioned, the project is granted Site Plan Approval. In furtherance of the plan review process and to be allowed to proceed with construction, please submit:**

1. Documentation showing the RV park has been granted a perpetual restrictive easement within 100-ft of the well and access to the well which is constructed on property owned by Jay Williamson or other documentation showing such ownership.
2. Well pumping test information including static water level, pumping rate, drawdown, and rate of recovery.
3. Pump information.
4. Engineered plans that show the above-well structure detail including the well house, concrete slab, drainage, pump-to-waste piping and plans and specifications for connection of the new well to the existing water system.
5. Results for raw water coliform bacteria, arsenic and nitrate taken from the well. Raw water sample results should be marked “SRC-AB for Well L148793”
6. Treatment plans and specifications (certain treatment may be required depending upon the results of the coliform, arsenic, and nitrate sampling, however, no required treatment is anticipated at this time).
7. A land use compatibility statement may be needed, depending upon the nature of the proposed plans. In any case, obtaining a signed LUCS is highly recommended if not required (depends upon the submitted plans). If there are questions, you may want to reach out to Sarah Absher, Tillamook County Community Development (Sarah Absher has been cc'd on this letter).

*Land Use Statement*

Certain plan review approvals for drinking water projects affect land use with city and county comprehensive plans and land use regulations.

- Land Use Form  [PDF](#) or  [MSWord](#)

8. Documentation (e-mail correspondence, letter, etc.) showing what water rights, if any, are needed (depends upon the plans). Nikki Hendricks, Water Master with Oregon Water Resources Department has been cc'd on this letter and is aware of the new well. Nikki has indicated that the RV Park would qualify as an exempt use provided usage did not exceed more than 5,000 gallons per day, however, if more homes are served, Nikki should be contacted at 503-815-1967 or via e-mail at [Nikki.M.Hendricks@water.oregon.gov](mailto:Nikki.M.Hendricks@water.oregon.gov).

9. If more homes are planned to be served such that the well would be considered to serve a Community Water System, additional testing including SOC, VOC, IOC, Uranium, Radium 226/228, and Gross Alpha will be needed. If a Community Water System having 15 or more connections and serving more than 25 year-round residents is planned, subsequent monitoring such as those shown in Table 1 will also be required (subject to change based on initial sampling results).

<b>Table 1 – Anticipated Initial Monitoring should the system be classified as a Community Water System</b>					
Year 1				Year 2	Year 3
Sampling to be completed prior to Final Approval	Sample by the end of the first quarter of operation (after Final Approval)	2nd Quarter of Operation	3rd Quarter of operation		
Sample at the Source Prior to Treatment (SRC-AC)	Sample at the Entry Point (EP-A) to the distribution system served by the new source (after treatment)				
<ul style="list-style-type: none"> <li>Coliform</li> <li>Nitrate, Nitrite</li> <li>IOC, VOC, SOC</li> <li>Arsenic</li> <li>Radiological including uranium, gross alpha, and radium 226/228</li> </ul>	<ul style="list-style-type: none"> <li>Radiological</li> <li>Lead and copper tap samples</li> </ul>	<ul style="list-style-type: none"> <li>Radiological if initial sampling has radiological detections</li> </ul>	<ul style="list-style-type: none"> <li>Radiological if initial sampling has radiological detections</li> </ul>	Annual: <ul style="list-style-type: none"> <li>Nitrate</li> <li>VOC</li> <li>SOC</li> </ul>	
Sampling at Customer Taps	Tap Sampling in the Distribution System (to assess impact of the new well on distribution system corrosion).				
<ul style="list-style-type: none"> <li>Lead and Copper*</li> </ul>	<ul style="list-style-type: none"> <li>Sample at 20 Tier 1 sites (1<sup>st</sup> 6-months of operation)</li> </ul>		<ul style="list-style-type: none"> <li>Sample at 20 Tier 1 sites (second 6 months of operation)</li> </ul>	Reduction to 10 tap samples every 3 years is possible depending upon results	
Source Assessment (raw water coliform)	Monthly raw water source assessment sampling for coliform bacteria may be required given the unconfined aquifer anticipated for this well and its relatively close proximity to the Kilchis River.				Annual Source Assessment Sampling if required by Tom Pattee
*Changes in water quality due to the addition of a new source may impact the corrosivity of the water (the system has exceeded lead action levels in the past). Unless it can be demonstrated that the new well will not adversely impact the corrosivity of the treated water, two 6-month demonstration rounds of lead and copper tap samples at an increased number of 20 Tier 1 sample sites may be needed to verify that the well does not cause an exceedance of lead and/or copper action levels. Water quality parameters for pH and alkalinity would also need to be done in concert with the lead and copper tap samples.					

Note: At this time, the new well is anticipated to be designated “SRC-AB – 2023 Well #1 – L148793” under the existing entry point “EP-A”, which will appear online at:

<https://yourwater.oregon.gov/inventory.php?pwsno=95561>

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Trask River RV Park (PWS #95561) – Well #1 (L148793) Site Plan Approval LTR (PR#54-2023)  
April 27, 2023

Documentation and test results for the above-mentioned items should reference Plan Review #[54-2023](#) and can be e-mailed to me at [evan.e.hofeld@oha.oregon.gov](mailto:evan.e.hofeld@oha.oregon.gov). If you have any questions, please feel free to call me at 971-200-0288.

Sincerely,



Evan Hofeld, PE  
Oregon Health Authority – Drinking Water Services

cc: Brooke Shattuck, 4B Engineering & Consulting, LLC, [brooke.4b@outlook.com](mailto:brooke.4b@outlook.com)  
Jay Williamson, Trask River RV Park, [cjexcavating@yahoo.com](mailto:cjexcavating@yahoo.com)  
Jaime Craig, Tillamook County Environmental Health, [jcraig@co.tillamook.or.us](mailto:jcraig@co.tillamook.or.us)  
Sarah Absher, Tillamook Co Dept of Community Development, [sabscher@co.tillamook.or.us](mailto:sabscher@co.tillamook.or.us)  
Nikki Hendricks, OWRD – Water Master, [nikki.m.hendricks@water.oregon.gov](mailto:nikki.m.hendricks@water.oregon.gov)