



December 8, 2023

Ed Butts, PE
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4-B Engineering & Consulting, LLC.
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Salem, OR 97317

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Portland, OR 97232
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www.healthoregon.org/DWP

Letter sent via e-mail only.

Re: **Trask River RV Park (PWS #[95561](#))
SRC-AB - Well #1 (L148793, [TILL53275](#)) & WTP-A1 - Residual Maintenance
Final Approval (PR #54-2023)**

Dear Mr. Butts:

Thank you for e-mailing me the Project Final Approval Request form on December 6, 2023, for the new well and water system improvements to supply the Trask River RV Park (PWS ID# [95561](#)). **The project is granted Final Approval and the new facilities may continue to be in service.**

New facilities included:

1. SRC-AB 2023 Well #1 (L148793) constructed on April 14, 2023, and drawing water from a confined aquifer,
2. WTP-A1 - Treatment Plant for Well #1
 - a. 82-gallon Flex Lite (FL28) Pressure tank.
 - b. Sodium hypochlorite pump and chlorine tank for residual disinfection.
3. Piping and appurtenances to convey the treated well water to the treatment building at the Trask River RV Park (PWS #95561), which retains the existing filters, NSF-55 Class A UV unit, and pressure tank (approved under plan review #126-2023 viewable online at:

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

At this time, a water right is not needed as Nikki Hendricks with the Oregon Water Resources Department indicated that the RV Park qualifies as an exempt use. However, if usage exceeds more than 5,000 gallons per day (gpm), Nikki Hendricks should be contacted at 503-815-1967 or via e-mail at Nikki.M.Hendricks@water.oregon.gov.



Since the well is located on Jay Williamson’s property who also owns the Trask River RV Park, an easement is not necessarily needed at this time, however, should the RV Park be sold, an easement will be required for the continued operation of the RV Park. The easement is a requirement of *OAR 333-061-0050(2)(a) – Wells* as stated below:

Per OAR 333-061-0050(2)(a)(B), the area within 100 feet of the well shall be owned by the water supplier, or a perpetual restrictive easement shall be obtained by the water supplier (with the exception of public rights-of-way) within 100 feet of the well. The easement shall be recorded with the county in which the well is located and with the recorded deed to the property. A certified true copy shall be filed with the Authority.

The easement should also include the area overlain the waterline between the well and the RV park property.

Thank you for your assistance in completing this plan review process and if you have any questions, please feel free to call me at 971-200-0288 or e-mail me at evan.e.hofeld@oha.oregon.gov.

Sincerely,



Evan Hofeld, PE
Oregon Health Authority – Drinking Water Services

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

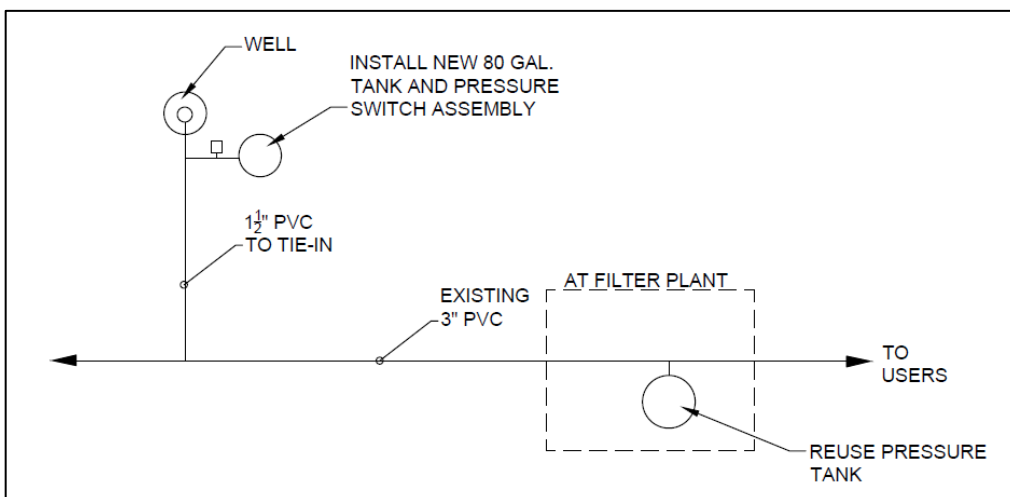
Encl. *Project Description*

Project description:

This project included a new well (SRC-AB, Well #1 (well ID# L148793)) constructed on April 14, 2023 and determined to be drawing water from a confined aquifer). The project also included construction of a new treatment building (WTP-B2) containing sodium hypochlorite for residual maintenance only, pressure tank, and related piping and appurtenances) to supply the Trask River RV Park (PWS ID# 95561). Construction was completed on June 30, 2023, and the new facilities were placed into operation on July 15, 2023. The well drill site location was previously approved as indicated in a Site Plan Approval letter dated April 27, 2023. The plans, pump tests, and \$825 plan review fee were received on June 6, 2023, and a Conditional Approval Letter was issued June 8, 2023. Evan Hofeld and Jaime Craig (Tillamook Co) conducted a site visit on October 18, 2023 and the Project Final Approval Request form was e-mailed from Ed Butts to Evan Hofeld on December 6, 2023.



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



Constructed Well Evaluation Results:

The well log ([TILL53275](#)) was submitted to our geologist, Tom Pattee, for evaluation. Mr. Pattee completed his evaluation on April 25, 2023, determining that:

“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 hazard 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** (Trask River located roughly 400-ft to the southwest of the well and a creek located roughly 270-ft to the northwest of the well.)



Well Testing Water Quality Results:

The following test results were received on 6/8/23 and demonstrate that additional treatment is not needed to address nitrate or coliform bacteria (both not detected) or arsenic detected at 0.004 mg/l, which is less than half the Maximum Contaminant Level (EPA MCL) of 0.010 mg/l:

Lab Number	Sample Name	Method	Result	Units	MRL	EPA MCL	Analysis Date/ Time
C Trask River RV Park L Attn: - I 26005 Trask River Rd N Tillamook OR, 97141 T Phone: (503) 812-5077 Project: PO #: - Project #: N/A Sampling Location: 26005 Trask River Rd Sample Matrix: Water Work Order: 3144011							
3144011-01	-	-	-	-	-	-	-
	Sampled: 5/24/23	9:30	Sample Type: Special				
	Arsenic	A EPA 200.9	0.004	mg/L	0.003	0.01	05/30/23 15:41
	Nitrate as N	A EPA 300.0	ND	mg/L	0.100	10	05/24/23 15:22
Lab Number	Sample Name	Method	Result	Units	MRL	EPA MCL	Analysis Date/ Time
3144011-01	-	-	-	-	-	-	-
	Sampled: 5/24/23	9:30	Sample Type: Special				
	Total Coliforms	A SM 9223B (collert-18) 21st Ed.	Absent				5/24/23 15:03
	E. coli	A SM 9223B (collert-18) 21st Ed.	Absent				5/24/23 15:03

ND = None detected MRL = Minimum Reporting Limit MCL = Maximum Contamination Limit

Water usage and water rights assessment:

Water rights are not anticipated to be needed since usage is not expected to exceed more than 5,000 gallons per day (3.47 gpm x 1,440 minutes per day or 10 gpm x 8 hours per day) allowing the RV park to be considered an “exempt use”. Typical usage for RV parks is 50 – 100 gallons per day per full hookup space and with 32 connections (cabins + RV spaces), this equates to 1,600 to 3,200 gallons per day, respectively. A typical residential use is 400 gallons per day for a single-family residence housing 4 people. At 100 gallons per day per RV connection and 400 gallons per day for residential use (e.g., for an on-site park manager or Mr. Williamson’s house), this would leave 1,400 gallons per day for irrigation/misc. uses (40 minutes of flow at 35 gpm = 1,400 gallons). **Should flows exceed 5,000 gallons per day, Nikki Hendricks with Oregon Water Resources Department (OWRD) should be consulted to ensure usage complies with OWRD requirements.** Nikki’s contact information is as follows:

Nikki Hendricks

District 1 Watermaster

4000 Blimp Blvd Ste 400

Tillamook, OR 97141

Office: 503-815-1967

Cell: 503-457-8989

Nikki.M.Hendricks@water.oregon.gov

Well Log
(TILL 53275)

Amended 5/2/2023
STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.545 & 537.765 and OAR 690-295-0210)

TILL 53275

WELL I.D. LABEL# L148793

START CARD # 1060581

ORIGINAL LOG #

(1) LAND OWNER Owner Well I.D. NW
 First Name _____ Last Name _____
 Company Trask River RV Park and Grocery
 Address 26005 Trask River Rd
 City Tillamook State Or Zip 97141

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (complete 2s & 10) Abandonment (complete 5a)

(2a) PRE-ALTERATION
 Casing: Dia + From To Gauge Sil Plstc Wld Thrd
 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 100 ft.

BORE HOLE			SEAL			Amt	sacks/ lbs
Dia	From	To	Material	From	To		
10	0	31	Benzonite	0	12	13	S
9	31	38				Calculated	5.4
6	38	100	Cement	12	31	18	S
						Calculated	4.9

How was seal placed: Method A B C D E
 Other
 Backfill placed from 31 ft. to 38 ft. Material cement/bentonite
 Filter pack from _____ ft. to _____ ft. Material _____ Size _____
 Explosives used: Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
 Proposed Amount P Actual Amount P

(6) CASING/LINER

Casing/Liner	Dia	+	From	To	Gauge	Sil	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	6		2	38	250			<input checked="" type="checkbox"/>	
<input type="checkbox"/>	4		3	40	sch40			<input checked="" type="checkbox"/>	

Shoe Inside Outside Other Location of shoe(s) 38
 Temp casing Yes Dia 10 From + 1 To 31

(7) PERFORATIONS/SCREENS
 Perforations Method _____
 Screens Type certa-luk Material sch40 pvc

Perf/Screen	Casing/Screen	Dia	From	To	Slot width	Slot length	# of slots	Telo/pipe size
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	40	100	.032			

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
50		100	2

Temperature 52 °F Lab analysis Yes By _____
 Water quality concerns? Yes (describe below) TDS amount 60 ppb
 From To Description Amount Units

(9) LOCATION OF WELL (legal description)
 County TILLAMOOK Twp 1 S N/S Range 8 W E/W WM
 Sec 36 NE 1/4 of the SE 1/4 Tax Lot 400-6800
 Tax Map Number _____ Lot _____
 Lat _____ " N or 45.43454429 DMS or DD
 Long _____ " W or -123.60581246 DMS or DD
 Street address of well Nearest address
 26005 Trask River Rd. Tillamook, Or 97141

(10) STATIC WATER LEVEL

Existing Well / Pre-Alteration	Date	SWL (psi)	+ SWL (ft)
Completed Well	4-14-2023		14

Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 15

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
4-5-2023	15	21	20		5
4-14-2023	50	100	50		14

(11) WELL LOG Ground Elevation _____

Material	From	To
fill	0	2
clay, brown	2	3
clay, brown w/cobbles	3	8
broken rock	8	15
broken rock w/ caving clay & cobbles	15	21
sandstone, grey/green/brown multicolored, hard	21	100

RECEIVED

Dickerson Well Drilling, Inc. APR 20 2023
503-623-2664

OWRD

Date Started 4-5-2023 Completed 4-14-2023

(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 1574 Date 4-15-2023
 Signed *[Signature]*

(bonded) Water Well Constructor Certification
 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 1571 Date 4-15-2023
 Signed *[Signature]*
 Contact info (optional) _____

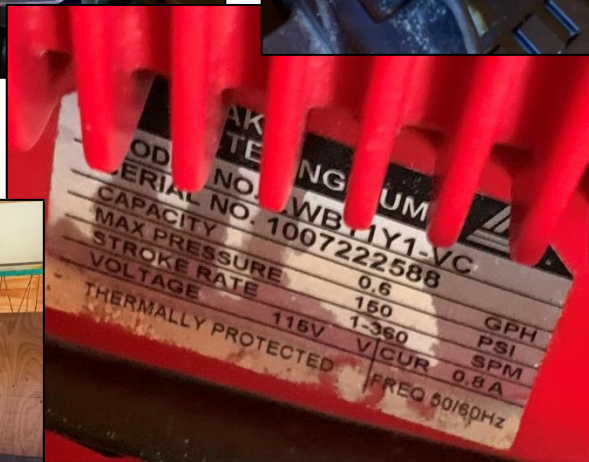
ORIGINAL - WATER RESOURCES DEPARTMENT
 THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version:
 New exempt use wells must be submitted with a map and recording fee.



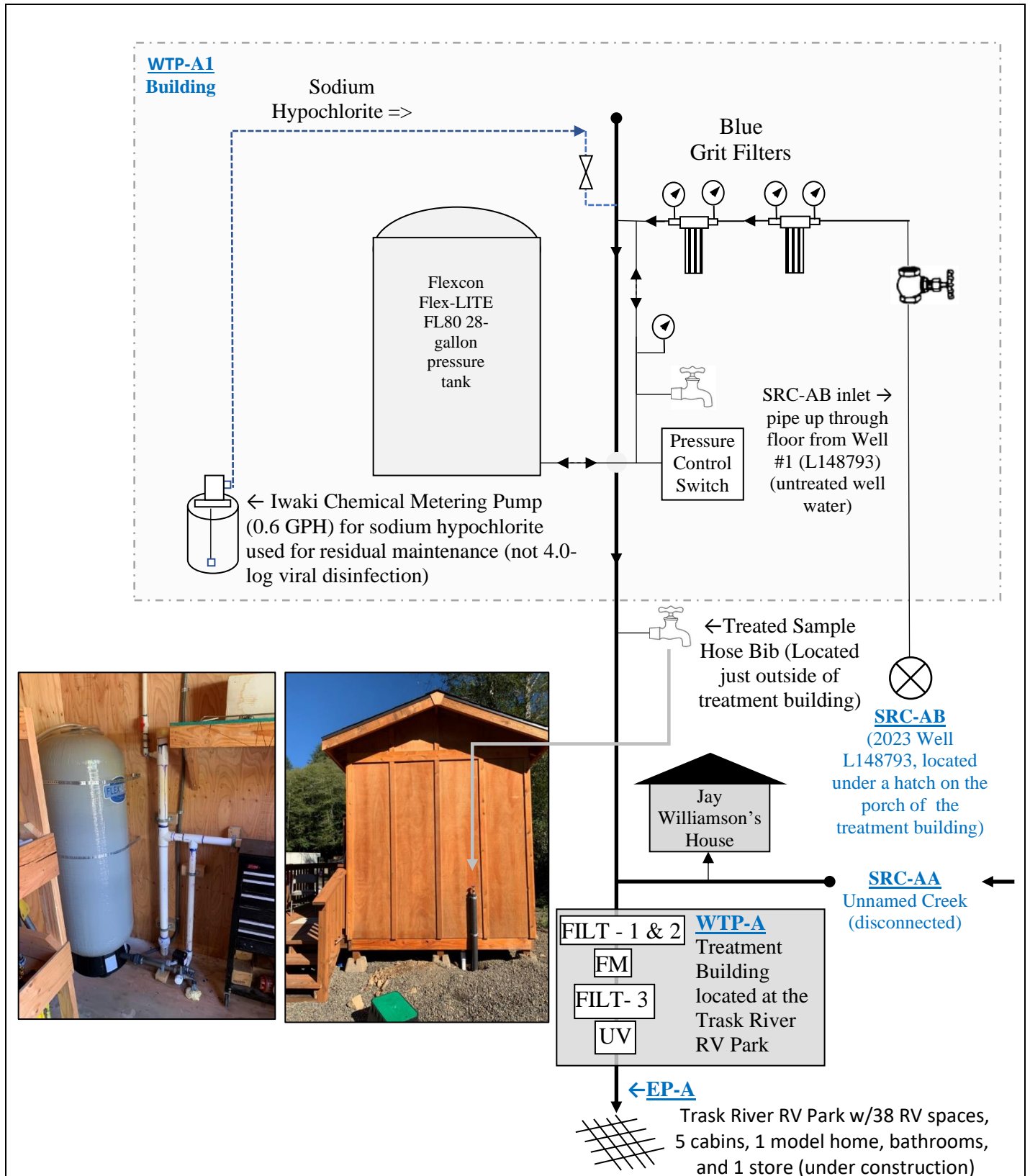
October 18, 2023 Site Visit Photos



December 8, 2023



Water System Schematic for Treatment Building Near Well (WTP-A1)



Water System Schematic for Treatment Building Near RV Park (WTP-A)

