

OHA - Drinking Water Services - Surface Water Quality Data Form

County:

Multnomah

Cartridge or Bag Filtration with UV *Giardia*/*Crypto*/Viral Disinfection

Month/Year:

Feb. 2025

System Name: PAE Living Building Rain Harvest System

WS ID#: 41-

95690

WTP ID:

Change Filter at max PSID = 35 psi (see manufacturer's specification)

Day	Pressure Loss			Turbidity	
	PSI Before Filter	PSI After Filter	PSID	Compliance Turbidity [NTU]	Highest NTU of the day 1
1	OFF				
2	OFF				
3	OFF				
4	26.00	18.00	8.00	0.20	0.23
5	OFF				
6	OFF				
7	26.00	18.00	8.00	1.59	0.24
8	OFF				
9	OFF				
10	OFF				
11	24.00	16.00	8.00	0.13	0.19
12	OFF				
13	OFF				
14	25.00	16.00	9.00	0.11	0.22
15	OFF				
16	OFF				
17	OFF				
18	25.00	16.00	9.00	0.10	0.4
19	OFF				
20	OFF				
21	26.00	17.00	9.00	0.09	0.29
22	OFF				
23	OFF				
24	OFF				
25	27.00	17.00	11.00	0.10	0.35
26	OFF				
27	OFF				
28	35.00	19.00	16.00	0.13	0.34

95% of daily turbidity readings $\leq$ 1 NTU?

Yes No

All daily turbidity readings $\leq$ 5 NTU?

Yes No

Monthly UV Summary (circle Yes or No)

Was the volume of off-spec water produced less than 5% for the month?

Yes No

Notes: PSI = pounds per square inch

PSID = pounds per square inch difference (before filter - after filter)

PRINTED NAME: Dustin Thorson

DATE: 3/10/25

PHONE #: (503) 224-3454

CERT #: T-323544

SIGNATURE:

Dustin T. Thorson

¹ If one NTU value per day measured, value same as Compliance Turbidity. Intended for multiple readings per day. Used for optimization efforts of Highest NTU of the day is for optimization, not compliance. Highest is only for state-wide tracking of performance among all treatment systems.

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ID# 41- 95690

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Minimum UVT during month: 92 %

Duty sensor variation from reference sensor %: 0.11%

Minimum Validated UVT: 77.50%

Min. UV Dose achieved/intended this month: 7100 / 186 mJ/cm^2

Date	Peak Hourly Demand Flow	Minimum Intensity	All Lamps On?	Daily Water Produced {A}	Water outside Validated Conditions {B}	Cumulative % Off-Spec Water Produced
	[gpm/unit]	[mW/cm^2]	[Y or N]	[gal]	[gal]	$\frac{(\text{Mo. Sum (B)}) + (\text{Mo. Sum (A)})}{100} \times 100$
1	OFF					
2	OFF					
3	OFF					
4	11.2	185	Y	342	-	
5	OFF					
6	OFF					
7	10.9	187	Y	419	-	
8	OFF					
9	OFF					
10	OFF					
11	10.9	191	Y	504	-	
12	OFF					
13	OFF					
14	10.9	191	Y	220	-	
15	OFF					
16	OFF					
17	OFF					
18	10.6	177	Y	456	-	
19	OFF					
20	OFF					
21	11.5	184	Y	446	-	
22	OFF					
23	OFF					
24	OFF					
25	11	191	Y	529	-	
26	OFF					
27	OFF					
28	10.5	188	Y	402	-	

² If $\geq 5\%$ of total water produced is off-spec., notify DWS within 24 hours.

Return by 10th of following month by email, fax or mail to:

dwp.dmce@odhsoha.oregon.gov; 971-673-0694; or Drinking Water Services, PO Box 14350, Portland, OR 97293-0350