

OHA - Drinking Water Services - Surface Water Quality Data Form

County:

Multnomah

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

Month/Year:

April, 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	22.00	18.00	4.00	0.11	0.424
2	OFF				
3	22.00	18.00	4.00	0.12	0.473
4	OFF				
5	OFF				
6	OFF				
7	OFF				
8	24.00	19.00	5.00	0.13	0.529
9	OFF				
10	22.00	18.00	4.00	0.19	0.522
11	22.00	18.00	3.00	0.11	0.513
12	OFF				
13	25.00	20.00	5.00	0.21	0.506
14	OFF				
15	24.00	19.00	5.00	0.14	0.465
16	OFF				
17	24.00	18.00	6.00	0.01	0.512
18	21.00	18.00	3.00	0.10	0.643
19	OFF				
20	OFF				
21	OFF				
22	22.00	18.00	4.00	0.23	0.842
23	OFF				
24	22.00	17.00	5.00	0.16	0.702
25	22.00	15.00	5.00	0.10	0.794
26	OFF				
27	OFF				
28	OFF				
29	22.00	18.00	4.00	0.08	1.12
30	22.00	18.00	4.00	0.16	0.943

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: 5/7/2025

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 or 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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Month/Year: Apr-25

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ID# 41- 95690

WTP ID: _____

Minimum UVT during month: 97 %

Duty sensor variation from reference sensor %: 0.11%

Minimum Validated UVT: 77.50%

Min. UV Dose achieved/intended this month: 6723 / 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]	(Mo. Sum {B}) + (Mo. Sum {A}) * 100 [%]
1	11.5	7,834	Y	249	-	
2	OFF					
3	11.2	7,540	Y	403	-	
4	OFF					
5	OFF					
6	OFF					
7	OFF					
8	11.3	7,304	Y	235	-	
9	OFF					
10	11	8,020	Y	582	-	
11	10.6	8,021	Y	180	-	
12	OFF					
13	12.6	6723	Y	1091	-	
14	OFF					
15	11.6	7,736	Y	477	-	
16	OFF					
17	11.4	7318	Y	465	-	
18	11.5	7,382	Y	197	-	
19	OFF					
20	OFF					
21	OFF					
22	11.4	7,906	Y	310	-	
23	OFF					
24	11	7,621	Y	655	-	
25	OFF					
26	OFF					
27	OFF					
28	11.1	8340	Y	278	-	
29	11.4	7832	Y	410	-	
30	OFF					

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