

OHA - Drinking Water Services - Surface Water Quality Data Form	County:	Multnomah
Cartridge or Bag Filtration <u>with</u> UV <i>Giardia/Crypto/Viral</i> Disinfection	Month/Year:	Sep-25

System Name: PAE Living Building Rain Harvest System	WS ID#: 41-	95690	WTP ID: _____
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Change Filter at max PSID = 35 psi (see manufacturer's specification)

Pressure Loss				Turbidity	
Day	PSI Before Filter	PSI After Filter	PSID	Compliance Turbidity [NTU]	Highest NTU of the day 1
1	OFF				
2	24.00	16.00	8.00	0.10	0.17
3	24.00	16.00	8.00	0.11	0.17
4	22.00	16.00	6.00	0.11	0.17
5	26.00	18.00	8.00	0.11	0.17
6	OFF				
7	OFF				
8	OFF				
9	25.00	18.00	7.00	0.10	0.18
10	OFF				
11	35.00	25.00	10.00	0.11	0.203
12	26.00	18.00	8.00	0.18	0.211
13	OFF				
14	OFF				
15	28.00	20.00	8.00	0.17	0.331
16	25.00	19.00	6.00	0.10	0.402
17	OFF				
18	OFF				
19	OFF				
20	OFF				
21	OFF				
22	31.00	22.00	9.00	0.15	0.613
23	30.00	21.00	9.00	0.18	0.62
24	32.00	20.00	12.00	0.23	0.713
25	OFF				
26	OFF				
27	OFF				
28	OFF				
29	OFF				
30	30.00	21.00	9.00	0.35	0.888

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: 10/9/2025

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.

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Multnomah

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

Jul-25

System Name: PAE Living Building Rain Harvest System

ID# 41- 95690

WTP ID: _____

Minimum UVT during month: 79 %

Duty sensor variation from reference sensor %: 0.11%

Minimum Validated UVT: 77.5%

Min. UV Dose achieved/intended this month: 5740 / 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	OFF					
2	11	191	Y	174	--	
3	11	161	Y	600	--	
4	11	151	Y	199	--	
5	11.4	170	Y	568	--	
6	OFF					
7	OFF					
8	OFF					
9	10.9	191	Y	387	--	
10	OFF					
11	10.5	169	Y	443	--	
12	11	168	Y	567	--	
13	OFF					
14	OFF					
15	11.9	191	Y	505	--	
16	11.5	167	Y	328	--	
17	OFF					
18	OFF					
19	OFF					
20	OFF					
21	OFF					
22	12.4	163	Y	621	--	
23	12.3	159	Y	340	--	
24	12.8	176	Y	881	--	
25	OFF					
26	OFF					
27	OFF					
28	OFF					
29	OFF					
30	12.4	179	Y	628	--	

² If ≥ 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