

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

Month/Year: May-25

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	28.00	16.00	12.00	0.92	0.095
3	OFF				
4	OFF				
5	OFF				
6	22.00	18.00	4.00	1.11	0.246
7	OFF				
8	OFF				
9	22.00	18.00	4.00	0.82	0.234
10	21.00	18.00	3.00	0.96	0.071
11	OFF				
12	OFF				
13	22.00	17.00	5.00	1.38	0.225
14	OFF				
15	22.00	18.00	4.00	1.31	0.282
16	22.00	18.00	4.00	1.21	1.62
17	OFF				
18	OFF				
19	OFF				
20	22.00	18.00	4.00	1.07	0.199
21	22.00	18.00	4.00	0.93	0.166
22	22.00	18.00	4.00	0.82	0.22
23	OFF				
24	OFF				
25	OFF				
26	OFF				
27	22.00	18.00	4.00	0.77	0.133
28	22.00	18.00	4.00	0.70	0.13
29	OFF				
30	22.00	19.00	5.00	0.55	0.328
31	OFF				

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: 6/10/2025

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 only. 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

Month/Year: May-25

System Name: PAE Living Building Rain Harvest System

ID# 41- 95690

WTP ID: _____

Minimum UVT during month: 83 %

Duty sensor variation from reference sensor %: 0.11%

Minimum Validated UVT: 77.50%

Min. UV Dose achieved/intended this month: 6,390 / 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	7,568	Y	455	-	
3	OFF					
4	OFF					
5	OFF					
6	11	8,428	Y	345	-	
7	OFF					
8	OFF					
9	11	8,452	Y	540	-	
10	11	7,443	Y	138	-	
11	OFF					
12	OFF					
13	11.3	6,758	Y	309	-	
14	OFF					
15	11	6,943	Y	275	-	
16	11	6,390	Y	307	-	
17	OFF					
18	OFF					
19	OFF					
20	11	6,535	Y	289	-	
21	11	7,483	Y	409	-	
22	11.3	7,395	Y	278	-	
23	OFF					
24	OFF					
25	OFF					
26	OFF					
27	11	6,975	Y	407	-	
28	11	6,975	Y	216	-	
29	OFF					
30	11.2	7,243	Y	537	-	
31	OFF					

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