

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Multnomah

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

Month/Year: Sep-24

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	26.00	18.00		0.09	0.48
4	24.00	18.00	6.00	0.09	0.48
5	OFF				
6	24.00	17.00	7.00	0.09	0.4
7	OFF				
8	OFF				
9	24.00	17.00	7.00	0.08	0.33
10	OFF				
11	24.00	17.00	7.00	0.08	0.35
12	OFF				
13	24.00	17.00	7.00	0.07	0.27
14	OFF				
15	OFF				
16	OFF				
17	OFF				
18	OFF				
19	OFF				
20	24.00	17.00	7.00	0.07	0.25
21	OFF				
22	OFF				
23	OFF				
24	OFF				
25	OFF				
26	24.00	16.00	8.00	0.10	0.17
27	24.00	16.00	8.00	0.10	1.7
28	OFF				
29	OFF				
30	OFF				

95% of daily turbidity readings ≤ 1 NTU?  Yes  No

All daily turbidity readings ≤ 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: 10/7/2024

PHONE #: (503) 224-3454

CERT #: T-323544

SIGNATURE: *Dustin T. Thorson*

<sup>1</sup> 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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<b>Cartridge or Bag Filtration with UV <i>Giardia/Crypto/Viral</i> Disinfection</b>			Month/Year: <b>Sep-24</b>
System Name: <u>PAE Living Building Rain Harvest System</u>	ID# <b>41-</b>	<u>95690</u>	WTP ID: _____

Minimum UVT during month: 96 %      Duty sensor variation from reference sensor %: 0.11%  
 Minimum Validated UVT: 77.50%      Min. UV Dose achieved/intended this month: 7104 / 186 mJ/cm<sup>2</sup>

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 <sup>2</sup> ]	[ Y or N ]	[gal]	[gal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	OFF					
2	OFF					
3	11.5	184	Y	408	-	-
4	11.4	185	Y	294	-	-
5	OFF		Y			
6	11.4	186	Y	461	-	-
7	OFF					
8	OFF					
9	11.2	186	Y	349	-	-
10	OFF					
11	11.4	186	Y	708		
12	OFF					
13	11.3	187	Y	864		
14	OFF					
15	OFF					
16	OFF					
17	OFF					
18	OFF					
19	OFF					
20	11.3	188	Y	945	-	-
21	OFF					
22	OFF					
23	OFF					
24	OFF					
25	OFF					
26	11.5	189	Y	375	-	-
27	11.5	189	Y	472	-	-
28	OFF					
29	OFF					
30	OFF					
Monthly Cumulative % Off-Spec Water Produced <sup>2</sup>						-

<sup>2</sup> If ≥ 5% of total water produced is off-spec., notify DWS within 24 hours.

**Return by 10<sup>th</sup> of following month by email, fax or mail to:**  
 dpw.dmce@odhsoha.oregon.gov; 971-673-0694; or Drinking Water Services, PO Box 14350, Portland, OR 97293-0350