OHA - Drinking Water Services - Surface Water Quality Data Form | **County:** Multnomah

Cartridge or Bag Filtration with UV *Giardia/Crypto*/Viral Disinfection | **Month/Year:** Nov-23

System Name: PAE Living Building Rain Harvest System **WS ID#:** 41- 95690 **WTP ID:**

Change Filter at max PSID = 35 PSID (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	22.00	15.00	7.00	0.08	0.12
3	OFF				
4	OFF				
5	OFF				
6	OFF				
7	OFF				
8	OFF				
9	26.00	16.00	10.00	0.08	0.12
10	OFF				
11	OFF				
12	OFF				
13	22.00	14.00	8.00	0.09	0.14
14	OFF				
15	OFF				
16	OFF				
17	26.00	15.00	11.00	0.09	0.13
18	OFF				
19	OFF				
20	OFF				
21	OFF				
22	26.00	15.00	11.00	0.10	0.18
23	OFF				
24	OFF				
25	OFF				
26	OFF				
27	OFF				
28	OFF				
29	OFF				
30	30.00	12.00	18.00	0.09	0.99
31	OFF				

Cartridge & Bag Filtration (circle Yes or No)

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 T. Thorson

DATE: December 8th, 2023

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 o 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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System Name: PAE Living Building Rain Harvest System | **ID# 41-** 95690 | **WTP ID:**

Minimum UVT during month: 113 % | Duty sensor variation from reference sensor %: 0.11%

Minimum Validated UVT: 77.50% | Min. UV Dose achieved/intended this month: 7,514/ 186 $^{mJ}/_{cm2}$

Date	Peak Hourly Demand Flow	Minimum Intensity	All Lamps On?	Daily Water Produced **{A}**	Water outside Validated Conditions **{B}**	**Cumulative % Off-Spec Water Produced**
	[$^{gpm}/_{unit}$]	[$^{mW}/_{cm2}$]	[Y or N]	[gal]	[gal]	**(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]**
1	OFF					
2	13	220	Y	916	-	-
3	OFF					
4	OFF					
5	OFF					
6	OFF					
7	OFF					
8	OFF					
9	13	220	Y	1011	-	-
10	OFF					
11	OFF					
12	OFF					
13	12	221	Y	784	-	-
14	OFF					
15	OFF					
16	OFF					
17	13	221	Y	916	-	-
18	OFF					
19	OFF					
20	OFF					
21	OFF					
22	13	221	Y	422	-	-
23	OFF					
24	OFF					
25	OFF					
26	OFF					-
27	OFF					
28	OFF					
29	OFF					
30	11	216	Y	648	-	-
31	OFF					
Monthly Cumulative % Off-Spec Water Produced [2]						

[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