

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					
2	18.00	12.00	6.00	0.12	0.734
3					
4					
5					
6					
7					
8	18.00	14.00	4.00	0.16	1.17
9	18.00	14.00	4.00	0.13	0.831
10					
11					
12					
13					
14					
15	20.00	12.00	8.00	0.09	0.931
16					
17	18.00	14.00	4.00	0.09	1.073
18					
19					
20					
21					
22	18.00	14.00	4.00	0.16	0.785
23	20.00	14.00	6.00	0.11	0.609
24					
25					
26					
27	20.00	14.00	6.00	0.15	0.81
28	20.00	14.00	6.00	0.12	0.756
29					
30					
31	20.00	14.00	6.00	0.10	0.512

**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:** 6/9/2024

**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.

<b>OHA - Drinking Water Services - Surface Water Quality Data Form</b>			<b>County:</b> Multnomah
<b>Cartridge or Bag Filtration with UV <i>Giardia/Crypto/Viral</i> Disinfection</b>			<b>Month/Year:</b> May-24
<b>System Name:</b> PAE Living Building Rain Harvest System	<b>ID# 41-</b> 95690	<b>WTP ID:</b>	

Minimum UVT during month: 95 %      Duty sensor variation from reference sensor %: 0.11%  
 Minimum Validated UVT: 77.50%      Min. UV Dose achieved/intended this month: 7,251 / 186 mJ/cm<sup>2</sup>

Date	Peak Hourly Demand Flow [gpm/unit]	Minimum Intensity [mW/cm <sup>2</sup> ]	All Lamps On? [ Y or N ]	Daily Water Produced {A} [gal]	Water outside Validated Conditions {B} [gal]	Cumulative % Off-Spec Water Produced  (Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1						
2	11.0	208	Y	489	-	-
3						
4						
5						
6						
7						
8	11.3	208	Y	452	-	-
9	11.3	208	Y	230	-	-
10						
11						
12						
13						
14						
15	11.5	210	Y	300	-	-
16						
17	11.2	210	Y	430	-	-
18						
19						
20						
21						
22	10.9	183	Y	390	-	-
23	11.7	195	Y	210	-	-
24						
25						
26						
27	11.8	193	Y	205	-	-
28	11.6	208	Y	297	-	-
29						
30						
31	11.3	191	Y	557	-	-
<b>Monthly Cumulative % Off-Spec Water Produced <sup>2</sup></b>						-

<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:**  
 dwp.dmce@odhsoha.oregon.gov; 971-673-0694; or Drinking Water Services, PO Box 14350, Portland, OR 97293-0350