

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)

Day	Pressure Loss			Turbidity	
	PSI Before Filter	PSI After Filter	PSID	Compliance Turbidity [NTU]	Highest NTU of the day 1
1	24.00	18.00	6.00	0.033	0.06
2	OFF				
3	OFF				
4	OFF				
5	OFF				
6	OFF				
7	24.00	18.00	6.00	0.04	0.08
8	OFF				
9	OFF				
10	OFF				
11	OFF				
12	OFF				
13	26.00	16.00	10.00	0.03	0.06
14	OFF				
15	OFF				
16	OFF				
17	OFF				
18	26.00	14.00	12.00	0.03	0.06
19	OFF				
20	OFF				
21	24.00	14.00	10.00	0.04	0.07
22	OFF				
23	OFF				
24	OFF				
25	OFF				
26	26.00	15.00	11.00	0.04	0.07
27	OFF				
28	OFF				
29	26.00	15.00	11.00	0.04	0.06
30	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

<p><b>Notes:</b> PSI = pounds per square inch                  PSID = pounds per square inch difference (before filter - after filter)</p>	<p><b>PRINTED NAME:</b> Dustin T. Thorson  <b>DATE:</b> October 9th, 2023</p>
<p><b>PHONE #:</b> (503) 224-3454    <b>CERT #:</b> T- 323544</p>	<p><b>SIGNATURE:</b> <i>Dustin T. Thorson</i></p>

<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 c  
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> Sep-23
<b>System Name:</b> PAE Living Building Rain Harvest System	<b>ID# 41-</b> 95690	<b>WTP ID:</b>

Minimum UVT during month: 117 %      Duty sensor variation from reference sensor %: 0.11%  
 Minimum Validated UVT: 77.50%      Min. UV Dose achieved/intended this month: 6,808 / 186<sup>mJ</sup>/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
	[ <sup>gpm</sup> /unit]	[ <sup>mW</sup> /cm <sup>2</sup> ]	[ Y or N ]	[gal]	[gal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	15	229	Y	714	0	
2	OFF					-
3	OFF					
4	OFF					
5	OFF					
6	OFF					
7	15	230	Y	753	0	
8	OFF					-
9	OFF					
10	OFF					
11	OFF					
12	OFF					
13	15	225	Y	611	0	
14	OFF					-
15	OFF					
16	OFF					
17	OFF					
18	15	225	Y	1,102	0	-
19	OFF					
20	OFF					
21	15	227	Y	946	0	
22	OFF					-
23	OFF					
24	OFF					
25	OFF					-
26	15	226	Y	570	0	
27	OFF					
28	OFF					
29	15	225	Y	765	0	
30	OFF					
<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