

<b>OHA - Drinking Water Services - Surface Water Quality Data Form</b>		County:	Multnomah
<b>Cartridge or Bag Filtration with UV <i>Giardia</i>/<i>Crypto</i>/Viral Disinfection</b>		Month/Year:	Oct-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	24.00	17.00	7.00	0.10	0.161
2	OFF				
3	24.00	17.00	7.00	0.09	0.183
4	OFF				
5	OFF				
6	OFF				
7	23.00	14.00	6.00	0.09	0.165
8	23.00	16.00	7.00	0.06	0.168
9	OFF				
10	OFF				
11	23.00	16.00	7.00	0.09	0.176
12	OFF				
13	OFF				
14	OFF				
15	23.00	16.00	7.00	0.06	0.188
16	OFF				
17	OFF				
18	22.00	16.00	6.00	0.06	0.194
19	OFF				
20	OFF				
21	OFF				
22	21.00	16.00	5.00	0.06	0.2
23	OFF				
24	22.00	16.00	6.00	0.09	0.206
25	22.00	16.00	6.00	0.09	0.217
26	OFF				
27	OFF				
28	OFF				
29	21.00	14.00	7.00	0.06	0.218
30	OFF				
31	OFF				

95% of daily turbidity readings ≤ 1 NTU?	<input checked="" type="radio"/> Yes <input type="radio"/> No
All daily turbidity readings ≤ 5 NTU?	<input checked="" type="radio"/> Yes <input type="radio"/> No
<b>Monthly UV Summary (circle Yes or No)</b>	
Was the volume of off-spec water produced less than 5% for the month?	<input checked="" type="radio"/> Yes <input type="radio"/> No

<b>Notes:</b> PSI = pounds per square inch PSID = pounds per square inch difference (before filter - after filter)	<b>PRINTED NAME:</b> Dustin Thorson <b>DATE:</b> 11/10/2024
<b>PHONE #:</b> (503) 224-3454 <b>CERT #:</b> T-323544	<b>SIGNATURE:</b> <i>Dustin T. Thorson</i>

<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 on Highest NTU of the day is for optimization, not compliance. Highest is only for state-wide tracking of performance among all treatment systems.

Page 1 of 2

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County: Multnomah

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

Month/Year: Oct-24

System Name: PAE Living Building Rain Harvest System

ID# 41- 95690

WTP ID:

Minimum UVT during month: 97 %

Duty sensor variation from reference sensor %: 0.11%

Minimum Validated UVT: 77.50%

Min. UV Dose achieved/intended this month: 7,361/ 186 <sup>mJ</sup>/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 <small>(Mo. Sum (B)) + (Mo. Sum (A)) * 100 [%]</small>
1	11.4	7,369	Y	556	-	-
2	OFF					
3	11.4	7,361	Y	501	-	-
4	OFF					
5	OFF					
6	OFF					
7	11.3	7,454	Y	538	-	-
8	11.2	7,540	Y	568	-	-
9	OFF					
10	OFF					
11	11.2	7,548	Y	621	-	-
12	OFF					
13	OFF					
14	OFF					
15	11.2	7,536	Y	814	-	-
16	OFF					
17	OFF					
18	11	7,673	Y	503	-	-
19	OFF					
20	OFF					
21	OFF					
22	11.1	7,588	Y	424	-	-
23	OFF					
24	11.4	7,478	Y	364	-	-
25	11.5	7,479	Y	185	-	-
26	OFF					
27	OFF					
28	OFF					
29	10.7	7,872	Y	475	-	-
30	OFF					
31	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:

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