

OHA - Drinking Water Services - Surface Water Quality Data Form	County:	Multnomah
Cartridge or Bag Filtration with UV <i>Giardia</i>/Crypto/Viral Disinfection	Month/Year:	Jul-25

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)			

Pressure Loss				Turbidity	
Day	PSI Before Filter	PSI After Filter	PSID	Compliance Turbidity [NTU]	Highest NTU of the day 1
1	22.00	18.00	4.00	0.14	0.308
2	22.00	18.00	4.00	0.13	0.13
3	22.00	16.00	6.00	0.12	0.189
4	OFF				
5	OFF				
6	OFF				
7	OFF				
8	20.00	16.00	4.00	0.12	0.198
9	OFF				
10	20.00	16.00	4.00	0.10	0.192
11	22.00	18.00	4.00	0.11	0.185
12	OFF				
13	OFF				
14	22.00	18.00	4.00	0.10	0.138
15	23.00	18.00	5.00	0.10	0.115
16	OFF				
17	22.00	18.00	4.00	0.09	0.11
18	22.00	18.00	4.00	0.09	0.107
19	OFF				
20	OFF				
21	OFF				
22	22.00	17.00	5.00	0.09	0.218
23	OFF				
24	22.00	18.00	4.00	0.08	0.229
25	24.00	18.00	6.00	0.08	0.25
26	OFF				
27	OFF				
28	22.00	18.00	4.00	0.08	0.265
29	OFF				
30	22.00	18.00	6.00	0.07	0.133
31	22.00	19.00	7.00	0.07	0.134

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
Monthly UV Summary (circle Yes or No)		
Was the volume of off-spec water produced less than 5% for the month?		<input checked="" type="radio"/> Yes <input type="radio"/> No
Notes: PSI = pounds per square inch PSID = pounds per square inch difference (before filter - after filter)	PRINTED NAME: Dustin Thorson DATE: 8/8/25 SIGNATURE: <i>Dustin T. Thorson</i>	
PHONE #: (503) 224-3454	CERT #: T-323544	

* If one NTU value per day measured, value same as Compliance Turbidity. Intended for multiple readings per day. Used for optimization efforts only. Highest NTU of the day is for optimization, not compliance. Highest is only for state-wide tracking of performance among all treatment systems.

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Multnomah

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

Jul-25

Jun-25

System Name: PAE Living Building Rain Harvest System

ID# 41- 95690

WTP ID:

Minimum UVT during month: 80 %

Duty sensor variation from reference sensor %: 0.11%

Minimum Validated UVT: 72.00%

Min. UV Dose achieved/intended this month: 6,216 / 186 mJ/cm^2

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^2]	[Y or N]	[gal]	[gal]	(Mo. Sum {B}) + (Mo. Sum {A}) * 100 [%]
1	11	6,216	Y	426	-	
2	11	7,144	Y	498	-	
3	10.5	7,189	Y	145	-	
4	OFF					
5	OFF					
6	OFF					
7	OFF					
8	10.2	7,143	Y	519	-	
9	OFF					
10	10.5	7,231	Y	426	-	
11	10.4	7,292	Y	270	-	
12	OFF					
13	OFF					
14	11	7115	Y	578	-	
15	11.2	7,572	Y	701	-	
16	OFF					
17	11	7431	Y	452	-	
18	10.7	7,814	Y	180	-	
19	OFF					
20	OFF					
21	OFF					
22	10.5	8,086	Y	335	-	
23	OFF					
24	10.7	7,937	Y	300	-	
25	10.5	7,252	Y	387	-	
26	OFF					
27	OFF					
28	10.5	8,088	Y	374	-	
29	OFF					
30	10.5	7,421	Y	341	-	
31	10.6	7410	Y	340	-	
						-

² If $\geq 5\%$ 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