

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

Day	Pressure Loss			Turbidity	
	PSI Before Filter	PSI After Filter	PSID	Compliance Turbidity [NTU]	Highest NTU of the day 1
1	OFF				
2	OFF				
3	OFF				
4	OFF				
5	24.00	18.00	6.00	0.07	0.24
6	24.00	18.00	6.00	0.07	0.12
7	26.00	18.00	8.00	0.07	0.12
8	26.00	18.00	8.00	0.11	0.88
9	OFF				
10	OFF				
11	OFF				
12	24.00	18.00	6.00	0.06	0.15
13	24.00	18.00	6.00	0.06	0.12
14	25.00	18.00	7.00	0.06	0.25
15	42.00	30.00	12.00	0.19	0.63
16	OFF				
17	OFF				
18	OFF				
19	30.00	20.00	10.00	0.17	0.19
20	OFF				
21	29.00	20.00	9.00	0.18	0.174
22	28.00	18.00	10.00	0.11	0.18
23	OFF				
24	OFF				
25	27.00	18.00	9.00	0.11	0.174
26	28.00	19.00	9.00	0.12	0.171
27	28.00	19.00	9.00	0.11	0.173
28	27.00	18.00	9.00	0.11	0.184
29	27.00	18.00	9.00	0.12	0.116
30	OFF				
31	OFF				

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 Thorson DATE: 9/6/24 SIGNATURE: <i>Dustin T. Thorson</i>	
PHONE #: (503) 224-3454	CERT #: T-323544	

¹ 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.

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System Name: <u>PAE Living Building Rain Harvest System</u>	ID# 41- <u>95690</u>	WTP ID: _____

Minimum UVT during month: 81 % Duty sensor variation from reference sensor %: 0.11%
 Minimum Validated UVT: 77.5% Min. UV Dose achieved/intended this month: 6501 / 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/cm ²]	[Y or N]	[gal]	[gal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	OFF					
2	OFF					
3	OFF					
4	OFF					
5	10.5	180	Y	542	--	-
6	10.5	180	Y	214	--	-
7	10.5	181	Y	175	--	-
8	10.5	180	Y	210	--	-
9	OFF					
10	OFF					
11	OFF					
12	10.6	191	Y	348	--	-
13	10.5	182	Y	547	--	-
14	10.8	181	Y	198	--	-
15	10.8	179	Y	133	--	-
16	OFF					
17	OFF					
18	OFF					
19	12.3	180	Y	360	--	-
20	OFF					
21	10	179	Y	343	--	-
22	11.9	177	Y	1135	--	-
23	OFF					
24	OFF					
25	10.5	191	Y	621	--	-
26	10.5	191	Y	426	--	-
27	10.5	156	Y	126	--	-
28	11.2	180	Y	230	--	-
29	11	172	Y	70	--	-
30	OFF					
31	OFF					

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