

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: Mar-25	
System Name: PAE Living Building Rain Harvest System		WS ID#: 41-95690		WTP ID: _____	
Change Filter at max PSID = <u>35</u> 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	OFF				
2	OFF				
3	32.00	17.00	15.00	0.10	0.24
4	33.00	18.00	15.00	0.93	0.24
5	OFF				
6	35.00	17.00	18.00	0.12	0.22
7	38.00	18.00	20.00	0.14	0.22
8	OFF				
9	36.00	18.00	18.00	0.20	0.42
10	32.00	15.00	17.00	0.20	0.41
11	34.00	17.00	17.00	0.18	0.38
12	OFF				
13	OFF				
14	34.00	17.00	17.00	0.19	0.32
15	OFF				
16	OFF				
17	34.00	17.00	17.00	0.15	0.32
18	20.00	18.00	2.00	0.30	1.02
19	20.00	17.00	3.00	0.20	0.29
20	OFF				
21	22.00	17.00	5.00	0.14	0.28
22	OFF				
23	OFF				
24	OFF				
25	20.00	17.00	3.00	0.13	0.215
26	20.00	18.00	2.00	0.13	0.313
27	OFF				
28	25.00	20.00	5.00	0.18	0.32
29	OFF				
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		PRINTED NAME: Dustin Thorson	
PSID = pounds per square inch difference (before filter - after filter)		DATE: 4/9/2025	
PHONE #: (503) 224-3454	CERT #: T-323544	<i>Dustin T. Thorson</i>	

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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Minimum UVT during month: 99 % Duty sensor variation from reference sensor %: 0.11%

Minimum Validated UVT: 72.0% Min. UV Dose achieved/intended this month: 7465 / 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	10.3	8,245	Y	212	-	-
4	9.9	8,144	Y	248	-	-
5	OFF					
6	9.9	8,638	Y	540	-	-
7	10.1	8,476	Y	670	-	-
8	OFF					
9	9.9	8,759	Y	959	-	-
10	9.8	8,907	Y	395	-	-
11	9.8	8,975	Y	155	-	-
12	OFF					
13	OFF					
14	9.9	8,957	Y	320	-	-
15	OFF					
16	OFF					
17	10.9	8,160	Y	507	-	-
18	10.8	9,044	Y	88	-	-
19	10.5	8,922	Y	622	-	-
20	OFF					
21	10.7	8,461	Y	228	-	-
22	OFF					
23	OFF					
24	OFF					
25	11.3	7,933	Y	360	-	-
26	10.9	7,727	Y	101	-	-
27	OFF					
28	11.3	7,465	Y	341	-	-
29	OFF					
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