

OHA - Drinking Water Services - Surface Water Quality Data Form

County: **Multnomah**

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

Month/Year: **Apr-23**

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	OFF				
2	OFF				
3	OFF				
4	OFF				
5	OFF				
6	28.00	15.00	28.00	0.18	2.84
7	OFF				
8	OFF				
9	OFF				
10	30.00	15.00	30.00	0.17	2.31
11	OFF				
12	OFF				
13	32.00	14.00	32.00	0.17	1.74
14	OFF				
15	OFF				
16	OFF				
17	OFF				
18	OFF				
19	OFF				
20	32.00	13.00	32.00	0.16	1.72
21	OFF				
22	OFF				
23	OFF				
24	OFF				
25	OFF				
26	OFF				
27	32.00	13.00	32.00	0.17	1.84
28	OFF				
29	OFF				
30	OFF				
31	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

Notes: PSI = pounds per square inch

PSID = pounds per square inch difference (before filter - after filter)

PRINTED NAME: Dustin T. Thorson

DATE: May 10th, 2023

PHONE #: (503) 224-3454

CERT #: T- 323544

SIGNATURE: *Dustin T. Thorson*

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: 103 % Duty sensor variation from reference sensor %: 0.11 %
 Minimum Validated UVT: 77.50 % Min. UV Dose achieved/intended this month: 7,326 / 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	OFF					
6	12	198	Y	766	-	
7	OFF					
8	OFF					
9	OFF					
10	11.5	202	Y	717	-	
11	OFF					
12	OFF					
13	11.5	213	Y	748	-	
14	OFF					
15	OFF					
16	OFF					
17	OFF					
18	OFF					
19	OFF					
20	11.5	205	Y	898	-	
21	OFF					
22	OFF					
23	OFF					
24	OFF					
25	OFF					
26	OFF					
27	11.5	207	Y	917	-	
28	OFF					
29	OFF					
30	OFF					
31	OFF					
Monthly Cumulative % Off-Spec Water Produced ²						

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