

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	32.00	12.00	20.00	0.072	0.73
2	OFF				
3	OFF				
4	OFF				
5	OFF				
6	OFF				
7	32.00	12.00	20.00	0.07	0.71
8	32.00	12.00	20.00	0.14	0.72
9	OFF				
10	OFF				
11	OFF				
12	OFF				
13	OFF				
14	32.00	12.00	20.00	0.07	0.65
15	OFF				
16	OFF				
17	OFF				
18	OFF				
19	OFF				
20	OFF				
21	32.00	13.00	19.00	0.06	0.43
22	OFF				
23	OFF				
24	OFF				
25	OFF				
26	34.00	13.00	21.00	0.05	0.31
27	OFF				
28	OFF				
29	34.00	13.00	21.00	0.05	0.35
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: July 9th, 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 or 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 <i>Giardia/Crypto/Viral</i> Disinfection		Month/Year: Jun-23
System Name: PAE Living Building Rain Harvest System	ID# 41- 95690	WTP ID:

Minimum UVT during month: 104 % Duty sensor variation from reference sensor %: 0.11%
 Minimum Validated UVT: 77.50% Min. UV Dose achieved/intended this month: 7,733/ 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	11	213	Y	394	-	0
2	OFF					
3	OFF					
4	OFF					
5	OFF					
6	OFF					
7	11	214	Y	832	-	0
8	12	209	Y	363	-	0
9	OFF					
10	OFF					
11	OFF					
12	OFF					
13	OFF					
14	11	212	Y	868	-	0
15	OFF					
16	OFF					
17	OFF					
18	OFF					
19	OFF					
20	OFF					
21	11	215	Y	775	-	0
22	OFF					
23	OFF					
24	OFF					
25	OFF					
26	11	216	Y	793	-	0
27	OFF					
28	OFF					
29	11	215	Y	647	-	0
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