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|--|--|--------------------------|--|----------------------|------------------|
| OHA - Drinking Water Services - Surface Water Quality Data Form | | | | County: | Multnomah |
| Cartridge or Bag Filtration <u>with</u> UV <i>Giardia</i>/Crypto/Viral Disinfection | | | | Month/Year: | Dec-24 |
| 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 | Off | | | | |
| 4 | Off | | | | |
| 5 | Off | | | | |
| 6 | 22.00 | 15.00 | 7.00 | 0.11 | 0.266 |
| 7 | Off | | | | |
| 8 | Off | | | | |
| 9 | Off | | | | |
| 10 | 15.00 | 10.00 | 5.00 | 0.12 | 0.248 |
| 11 | Off | | | | |
| 12 | 22.00 | 15.00 | 7.00 | 0.09 | 0.261 |
| 13 | 22.00 | 14.00 | 8.00 | 0.13 | 0.28 |
| 14 | Off | | | | |
| 15 | Off | | | | |
| 16 | Off | | | | |
| 17 | 15.00 | 10.00 | 5.00 | 0.11 | 0.286 |
| 18 | 25.00 | 15.00 | 10.00 | 0.09 | 0.363 |
| 19 | Off | | | | |
| 20 | 25.00 | 15.00 | 10.00 | 0.11 | 0.273 |
| 21 | Off | | | | |
| 22 | Off | | | | |
| 23 | Off | | | | |
| 24 | Off | | | | |
| 25 | Off | | | | |
| 26 | Off | | | | |
| 27 | Off | | | | |
| 28 | Off | | | | |
| 29 | Off | | | | |
| 30 | 25.00 | 15.00 | 10.00 | 0.10 | 0.267 |
| 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: 1/13/25 |
| PHONE #: (503) 224-3454 | CERT #: T-323544 |
| SIGNATURE: Dustin T. Thorson- Digital Signature | |

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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|--|----------------------|------------------------------|
| 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: Dec. 2024 |
| System Name: PAE Living Building Rain Harvest System | ID# 41- 95690 | WTP ID: |

Minimum UVT during month: 97 % Duty sensor variation from reference sensor %: 0.11%

Minimum Validated UVT: 77.50% Min. UV Dose achieved/intended this month: 7,370/ 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 | 11.3 | 194.8 | Y | 718 | 0 | 0 |
| 7 | Off | | | | | |
| 8 | Off | | | | | |
| 9 | Off | | | | | |
| 10 | 10.2 | 186.2 | Y | 232 | 0 | 0 |
| 11 | Off | | | | | |
| 12 | 11.2 | 185.9 | Y | 1114 | 0 | 0 |
| 13 | 10.3 | 185 | Y | 1054 | 0 | 0 |
| 14 | Off | | | | | |
| 15 | Off | | | | | |
| 16 | Off | | | | | |
| 17 | 10.3 | 186.7 | Y | 689 | 0 | 0 |
| 18 | 10.5 | 186 | Y | 363 | 0 | 0 |
| 19 | Off | | | | | |
| 20 | 10.8 | 188.8 | Y | 354 | 0 | 0 |
| 21 | Off | | | | | |
| 22 | Off | | | | | |
| 23 | Off | | | | | |
| 24 | Off | | | | | |
| 25 | Off | | | | | |
| 26 | Off | | | | | |
| 27 | Off | | | | | |
| 28 | Off | | | | | |
| 29 | Off | | | | | |
| 30 | 10.7 | 187.2 | Y | 615 | 0 | 0 |
| 31 | Off | | | | | |
| Monthly Cumulative % Off-Spec Water Produced ² | | | | | | 0 |

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