

PWS ID # 4100731

Sample Period: June 2024

Salem Public Works Department

Chlorine/Turbidity/Fluoride Monitoring Report

Marion County

| | Finished Water Turbidity * | Finished Water Total Daily Flow | Minimum Chlorine Residual at First User | Fluoride Grab | Fluoride Feed Rate |
|-------------------|----------------------------|---------------------------------|---|---------------|--------------------|
| Location: | Geren Island | Geren Island | Aldersgate** | Aldersgate** | Geren Island |
| Source ID: | WTP-A | WTP-A | EP-A | EP-A | WTP-A |
| Unit | ntu | MGD | mg/L | mg/L | GPD |
| 6/1/2024 | 0.06 | 31.8 | 1.26 | 0.68 | 92 |
| 6/2/2024 | 0.06 | 30.9 | 1.28 | 0.69 | 90 |
| 6/3/2024 | 0.06 | 25.0 | 1.21 | 0.68 | 70 |
| 6/4/2024 | 0.06 | 29.2 | 1.20 | 0.65 | 85 |
| 6/5/2024 | 0.06 | 25.7 | 1.15 | 0.68 | 70 |
| 6/6/2024 | 0.06 | 30.7 | 1.27 | 0.68 | 89 |
| 6/7/2024 | 0.06 | 33.4 | 1.30 | 0.68 | 97 |
| 6/8/2024 | 0.06 | 34.4 | 1.29 | 0.67 | 100 |
| 6/9/2024 | 0.06 | 34.3 | 1.19 | 0.68 | 100 |
| 6/10/2024 | 0.06 | 34.5 | 1.32 | 0.65 | 101 |
| 6/11/2024 | 0.06 | 35.0 | 1.26 | 0.66 | 103 |
| 6/12/2024 | 0.06 | 35.6 | 1.31 | 0.67 | 106 |
| 6/13/2024 | 0.06 | 31.8 | 1.76 | 0.66 | 94 |
| 6/14/2024 | 0.06 | 31.9 | 1.81 | 0.66 | 94 |
| 6/15/2024 | 0.06 | 31.8 | 1.85 | 0.67 | 94 |
| 6/16/2024 | 0.06 | 28.3 | 1.81 | 0.67 | 82 |
| 6/17/2024 | 0.07 | 29.3 | 1.84 | 0.62 | 88 |
| 6/18/2024 | 0.07 | 32.0 | 1.84 | 0.66 | 94 |
| 6/19/2024 | 0.06 | 33.1 | 1.85 | 0.69 | 97 |
| 6/20/2024 | 0.06 | 33.4 | 1.81 | 0.70 | 98 |
| 6/21/2024 | 0.06 | 34.3 | 1.88 | 0.72 | 102 |
| 6/22/2024 | 0.06 | 36.2 | 1.77 | 0.71 | 108 |
| 6/23/2024 | 0.06 | 36.9 | 1.78 | 0.73 | 110 |
| 6/24/2024 | 0.05 | 38.2 | 1.83 | 0.71 | 113 |
| 6/25/2024 | 0.05 | 40.0 | 1.76 | 0.71 | 118 |
| 6/26/2024 | 0.19 | 46.5 | 1.40 | 0.70 | 145 |
| 6/27/2024 | 0.08 | 37.7 | 1.66 | 0.66 | 95 |
| 6/28/2024 | 0.13 | 35.6 | 1.69 | 0.64 | 92 |
| 6/29/2024 | 0.11 | 34.9 | 1.76 | 0.65 | 91 |
| 6/30/2024 | 0.07 | 35.0 | 1.76 | 0.64 | 90 |
| | | | | | |
| | | | | | |
| Total | | 1,007.1 | | | 2,908 |
| Average | 0.07 | 33.6 | 1.56 | 0.68 | |

*Finished water turbidity results are the highest reading of the day from combined filter effluent samples prior to reservoir.

**Aldersgate sample site: Aldersgate 7790 Marion Rd. SE, Turner OR. Entry Point A

Treatment: SSF

| OHA-Drinking Water Program- Surface Water Quality Form | | | | | | | County | Marion | | |
|--|-------------------|--|-----------------------------------|---------------------------|----------------------|-----|----------------|--------------------------|---|--|
| Salem Public Works | | ID# OR4100731 | WTP-A | | Mo/Yr | | June,2024 | | | |
| DATE | Time 0000-2400 | Minimum Cl2 Residual at first user (C) mg/L | Contact Time (T) Minutes | Actual CT C X T | Temp (Deg. C) | pH | Required CT | CT Met? Yes/No | Peak Hourly Demand Flow (MGD) | |
| 1 | 902 | 1.26 | 636 | 801 | 14.6 | 7.5 | 47 | Y | 7.0 | |
| 2 | 150 | 1.28 | 636 | 814 | 14.8 | 7.5 | 47 | Y | 7.0 | |
| 3 | 1417 | 1.21 | 356 | 431 | 14.8 | 7.5 | 47 | Y | 12.5 | |
| 4 | 837 | 1.20 | 890 | 1,069 | 14.5 | 7.5 | 46 | Y | 5.0 | |
| 5 | 931 | 1.15 | 557 | 640 | 14.3 | 7.6 | 55 | Y | 8.0 | |
| 6 | 9 | 1.27 | 495 | 628 | 14.5 | 7.6 | 57 | Y | 9.0 | |
| 7 | 1024 | 1.30 | 693 | 902 | 14.8 | 7.5 | 47 | Y | 6.4 | |
| 8 | 2147 | 1.29 | 731 | 943 | 15.3 | 7.5 | 31 | Y | 6.1 | |
| 9 | 1350 | 1.32 | 799 | 1,055 | 15.7 | 7.5 | 31 | Y | 5.6 | |
| 10 | 849 | 1.32 | 666 | 880 | 16.0 | 7.5 | 31 | Y | 6.7 | |
| 11 | 712 | 1.26 | 726 | 915 | 16.2 | 7.6 | 38 | Y | 6.1 | |
| 12 | 52 | 1.31 | 378 | 496 | 16.4 | 7.6 | 38 | Y | 11.8 | |
| 13 | 131 | 1.76 | 495 | 871 | 16.5 | 7.6 | 40 | Y | 9.0 | |
| 14 | 1819 | 1.81 | 636 | 1,151 | 16.6 | 7.5 | 33 | Y | 7.0 | |
| 15 | 1817 | 1.85 | 685 | 1,267 | 16.6 | 7.6 | 41 | Y | 6.5 | |
| 16 | 1750 | 1.81 | 685 | 1,240 | 16.3 | 7.5 | 33 | Y | 6.5 | |
| 17 | 1152 | 1.84 | 387 | 712 | 16.0 | 7.6 | 41 | Y | 11.5 | |
| 18 | 823 | 1.84 | 672 | 1,236 | 15.7 | 7.6 | 41 | Y | 6.6 | |
| 19 | 1734 | 1.85 | 629 | 1,163 | 15.7 | 7.6 | 41 | Y | 7.1 | |
| 20 | 1619 | 1.81 | 622 | 1,125 | 16.0 | 7.6 | 41 | Y | 7.2 | |
| 21 | 924 | 1.88 | 486 | 913 | 16.9 | 7.5 | 33 | Y | 9.2 | |
| 22 | 1209 | 1.77 | 889 | 1,573 | 17.2 | 7.5 | 33 | Y | 5.0 | |
| 23 | 1228 | 1.78 | 873 | 1,554 | 17.5 | 7.5 | 33 | Y | 5.1 | |
| 24 | 1601 | 1.83 | 894 | 1,636 | 18.0 | 7.6 | 41 | Y | 5.0 | |
| 25 | 1248 | 1.76 | 559 | 984 | 17.7 | 7.6 | 40 | Y | 8.0 | |
| 26 | 211 | 1.80 | 713 | 1,284 | 17.7 | 7.6 | 40 | Y | 6.2 | |
| 27 | 1058 | 1.66 | 389 | 646 | 17.6 | 7.6 | 40 | Y | 11.4 | |
| 28 | 858 | 1.69 | 454 | 768 | 17.2 | 7.6 | 40 | Y | 9.8 | |
| 29 | 217 | 1.76 | 768 | 1,351 | 17.1 | 7.7 | 40 | Y | 5.8 | |
| 30 | 1619 | 1.76 | 718 | 1,264 | 17.3 | 7.6 | 40 | Y | 6.2 | |

* Site: Line 2 Alt Flow Path at Aldersgate CT point, 7790 Marion Rd. SE. Turner, OR

Report Date: Jul 08, 2024

| OHA-Drinking Water Program- Surface Water Quality Form | | | | | | | County | Marion | | |
|--|-------------------|--|-----------------------------------|---------------------------|----------------------|-----|----------------|--------------------------|---|--|
| Salem Public Works | | ID# OR4100731 | WTP-A | | Mo/Yr | | June,2024 | | | |
| DATE | Time 0000-2400 | Minimum Cl2 Residual at first user (C) mg/L | Contact Time (T) Minutes | Actual CT C X T | Temp (Deg. C) | pH | Required CT | CT Met? Yes/No | Peak Hourly Demand Flow (MGD) | |
| 1 | 235 | 1.29 | 380 | 490 | 15.0 | 7.4 | 31 | Y | 26.0 | |
| 2 | 152 | 1.29 | 380 | 490 | 15.3 | 7.4 | 31 | Y | 26.0 | |
| 3 | 218 | 1.33 | 449 | 597 | 14.9 | 7.4 | 47 | Y | 22.0 | |
| 4 | 2203 | 1.25 | 411 | 514 | 14.4 | 7.4 | 47 | Y | 24.0 | |
| 5 | 631 | 1.25 | 372 | 465 | 14.1 | 7.5 | 47 | Y | 26.5 | |
| 6 | 1853 | 1.29 | 372 | 480 | 14.5 | 7.5 | 47 | Y | 26.5 | |
| 7 | 2131 | 1.38 | 343 | 474 | 15.2 | 7.4 | 31 | Y | 28.7 | |
| 8 | 1650 | 1.30 | 339 | 441 | 15.8 | 7.5 | 31 | Y | 29.1 | |
| 9 | 1446 | 1.19 | 342 | 407 | 16.1 | 7.5 | 31 | Y | 28.9 | |
| 10 | 849 | 1.32 | 339 | 447 | 16.4 | 7.5 | 31 | Y | 29.1 | |
| 11 | 712 | 1.26 | 338 | 426 | 16.8 | 7.6 | 38 | Y | 29.2 | |
| 12 | 33 | 1.56 | 309 | 482 | 16.7 | 7.6 | 39 | Y | 31.9 | |
| 13 | 1714 | 1.86 | 372 | 693 | 16.9 | 7.5 | 33 | Y | 26.5 | |
| 14 | 1603 | 1.88 | 372 | 700 | 16.9 | 7.5 | 33 | Y | 26.5 | |
| 15 | 39 | 1.92 | 372 | 715 | 16.8 | 7.6 | 41 | Y | 26.5 | |
| 16 | 950 | 1.86 | 380 | 706 | 16.4 | 7.4 | 33 | Y | 26.0 | |
| 17 | 2150 | 1.86 | 395 | 734 | 16.0 | 7.6 | 41 | Y | 25.0 | |
| 18 | 1542 | 1.89 | 372 | 703 | 15.6 | 7.5 | 33 | Y | 26.5 | |
| 19 | 1838 | 1.88 | 347 | 653 | 15.8 | 7.5 | 33 | Y | 28.4 | |
| 20 | 1100 | 1.90 | 345 | 656 | 16.5 | 7.5 | 33 | Y | 28.6 | |
| 21 | 1757 | 1.90 | 323 | 614 | 17.7 | 7.4 | 33 | Y | 30.5 | |
| 22 | 103 | 1.94 | 304 | 589 | 18.0 | 7.4 | 33 | Y | 32.5 | |
| 23 | 252 | 1.91 | 305 | 582 | 18.4 | 7.4 | 33 | Y | 32.4 | |
| 24 | 2229 | 1.87 | 289 | 540 | 18.6 | 7.5 | 33 | Y | 34.2 | |
| 25 | 1933 | 1.84 | 278 | 512 | 18.3 | 7.5 | 33 | Y | 35.5 | |
| 26 | 1324 | 1.40 | 275 | 385 | 18.3 | 7.5 | 31 | Y | 35.9 | |
| 27 | 124 | 1.75 | 276 | 483 | 17.9 | 7.5 | 33 | Y | 35.7 | |
| 28 | 0 | 1.78 | 303 | 539 | 17.3 | 7.6 | 40 | Y | 32.6 | |
| 29 | 1404 | 1.91 | 338 | 645 | 17.6 | 7.6 | 41 | Y | 29.2 | |
| 30 | 1225 | 1.98 | 338 | 669 | 18.1 | 7.5 | 33 | Y | 29.2 | |
| | | | | | | | | | | |

* Site: Line 1 Alt. Flow Path Aldersgate CT sample point, 7790 Marion Rd. SE Turner, OR

Report Date: Jul 08, 2024



Chlorine/Turbidity/CT Summary Report

| | | | |
|-------------------------|---|----------------------------|------------------------|
| PWS ID#: | 4100731 | Sample Period: | June 2024 |
| System Name: | <i>Salem Public Works Department</i> | Laboratory Results: | <i>Willow Lake Lab</i> |
| Address: | 1410 20th St SE, Bldg 2 Salem OR 97302 | OHD-Certified Lab | OR100010 |
| Contact Person: | Dwayne Barnes, Utility Operations Manager | Date Report Issued: | 7/8/2024 |
| Contact Number: | 503-588-6483 | Contact Person: | Paul Mitchell |
| Source Water: | North Santiam River | Contact Number: | 503-588-6380 |
| Treatment Type: | Slow Sand Filtration | Sampler: | Treatment Operators |
| Sample Location: | Aldersgate and Geren Island | Sample Date: | As reported |
| | | Source ID #: | EP-A and WTP-A |

Summary Table

| | | |
|---------------------|---|------------|
| 1. Turbidity | Were 95 percent of the turbidity readings less than or equal to 1.0 NTU for the month? | Yes |
| 2. Turbidity | Were all turbidity readings less than or equal to 5.0 NTU for the month? | Yes |
| 3. CT | Were all CTs values met each day of the month? | Yes |
| 4. Chlorine | Were all entry point chlorine residuals readings greater than or equal to 0.2 mg/L for the month? | Yes |
| 5. Chlorine | Was a detectable chlorine residual measured in at least 95% of the samples measured for the month? | Yes |

Print Name: Dwayne Barnes, Utility Operations Manager

Signature:

Date: July 8, 2024