

PWS ID # 4100731  
Salem Public Works Department

Sample Period: April 2025

## Chlorine/Turbidity/Fluoride Monitoring Report

Marion County

|                   | Finished Water<br>Turbidity * | Finished Water<br>Total Daily Flow | Minimum<br>Chlorine Residual<br>at First User | Fluoride Grab | Fluoride Feed<br>Rate |
|-------------------|-------------------------------|------------------------------------|-----------------------------------------------|---------------|-----------------------|
| <b>Location:</b>  | Geren Island                  | Geren Island                       | Aldersgate**                                  | Aldersgate**  | Geren Island          |
| <b>Source ID:</b> | WTP-A                         | WTP-A                              | EP-A                                          | EP-A          | WTP-A                 |
| <b>Unit</b>       | <b>ntu</b>                    | <b>MGD</b>                         | <b>mg/L</b>                                   | <b>mg/L</b>   | <b>GPD</b>            |
| 4/1/2025          | 0.10                          | 29.9                               | 1.13                                          | 0.59          | 87                    |
| 4/2/2025          | 0.06                          | 27.7                               | 1.07                                          | 0.59          | 85                    |
| 4/3/2025          | 0.04                          | 29.6                               | 0.78                                          | 0.64          | 91                    |
| 4/4/2025          | 0.04                          | 29.5                               | 1.05                                          | 0.66          | 92                    |
| 4/5/2025          | 0.04                          | 29.3                               | 1.08                                          | 0.66          | 92                    |
| 4/6/2025          | 0.04                          | 27.6                               | 1.09                                          | 0.64          | 86                    |
| 4/7/2025          | 0.05                          | 28.2                               | 0.91                                          | 0.63          | 86                    |
| 4/8/2025          | 0.05                          | 29.7                               | 0.90                                          | 0.64          | 92                    |
| 4/9/2025          | 0.05                          | 28.3                               | 1.08                                          | 0.66          | 87                    |
| 4/10/2025         | 0.05                          | 27.1                               | 1.07                                          | 0.65          | 84                    |
| 4/11/2025         | 0.04                          | 27.1                               | 1.22                                          | 0.68          | 85                    |
| 4/12/2025         | 0.04                          | 27.0                               | 1.47                                          | 0.69          | 84                    |
| 4/13/2025         | 0.04                          | 27.0                               | 1.28                                          | 0.68          | 85                    |
| 4/14/2025         | 0.04                          | 27.0                               | 1.30                                          | 0.68          | 84                    |
| 4/15/2025         | 0.04                          | 28.2                               | 1.19                                          | 0.69          | 89                    |
| 4/16/2025         | 0.05                          | 29.3                               | 1.19                                          | 0.68          | 92                    |
| 4/17/2025         | 0.05                          | 29.5                               | 1.09                                          | 0.68          | 92                    |
| 4/18/2025         | 0.28                          | 28.0                               | 0.91                                          | 0.63          | 85                    |
| 4/19/2025         | 0.05                          | 30.2                               | 1.25                                          | 0.81          | 87                    |
| 4/20/2025         | 0.05                          | 30.2                               | 1.20                                          | 0.63          | 87                    |
| 4/21/2025         | 0.16                          | 30.2                               | 1.18                                          | 0.63          | 87                    |
| 4/22/2025         | 0.05                          | 30.2                               | 1.24                                          | 0.62          | 87                    |
| 4/23/2025         | 0.05                          | 30.5                               | 1.25                                          | 0.63          | 87                    |
| 4/24/2025         | 0.05                          | 30.3                               | 1.14                                          | 0.61          | 88                    |
| 4/25/2025         | 0.05                          | 32.1                               | 1.16                                          | 0.63          | 93                    |
| 4/26/2025         | 0.06                          | 33.5                               | 1.01                                          | 0.63          | 98                    |
| 4/27/2025         | 0.06                          | 33.0                               | 0.97                                          | 0.64          | 97                    |
| 4/28/2025         | 0.12                          | 19.5                               | 0.99                                          | 0.63          | 69                    |
| 4/29/2025         | 0.06                          | 9.5                                | 1.02                                          | 0.63          | 19                    |
| 4/30/2025         | 0.09                          | 15.6                               | 1.16                                          | 0.53          | 59                    |
|                   |                               |                                    |                                               |               |                       |
|                   |                               |                                    |                                               |               |                       |
|                   |                               |                                    |                                               |               |                       |
| Total             |                               | 834.7                              |                                               |               | 2,536                 |
| Average           | 0.07                          | 27.8                               | 1.08                                          | 0.65          |                       |

\*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

4/2/25 Using Franzen West Outlet as L1 CT Site. Minimum chlorine was collected from this location.

| OHA-Drinking Water Program- Surface Water Quality Form |                   |                                                      |                                   |                       |                  |     |                | County               | Marion                              |
|--------------------------------------------------------|-------------------|------------------------------------------------------|-----------------------------------|-----------------------|------------------|-----|----------------|----------------------|-------------------------------------|
| Salem Public Works                                     |                   | ID# OR4100731                                        | WTP-A                             |                       | Mo/Yr            |     | April,2025     |                      |                                     |
| DATE                                                   | Time<br>0000-2400 | Minimum Cl2<br>Residual at<br>first user (C)<br>mg/L | Contact<br>Time<br>(T)<br>Minutes | Actual<br>CT<br>C X T | Temp<br>(Deg. C) | pH  | Required<br>CT | CT<br>Met?<br>Yes/No | Peak Hourly<br>Demand Flow<br>(MGD) |
| 1                                                      | 829               | 1.13                                                 | 391                               | 442                   | 9.0              | 7.5 | 61             | Y                    | 25.2                                |
| 2                                                      | 1111              | 1.07                                                 | 356                               | 381                   | 9.1              | 7.3 | 61             | Y                    | 25.4                                |
| 3                                                      | 2327              | 0.99                                                 | 395                               | 391                   | 9.3              | 7.4 | 60             | Y                    | 25.0                                |
| 4                                                      | 6                 | 1.05                                                 | 390                               | 410                   | 9.4              | 7.4 | 61             | Y                    | 25.3                                |
| 5                                                      | 29                | 1.08                                                 | 394                               | 425                   | 9.7              | 7.5 | 61             | Y                    | 25.1                                |
| 6                                                      | 2                 | 1.09                                                 | 396                               | 431                   | 10.1             | 7.5 | 46             | Y                    | 24.9                                |
| 7                                                      | 2343              | 0.91                                                 | 387                               | 352                   | 10.2             | 7.4 | 45             | Y                    | 25.5                                |
| 8                                                      | 150               | 0.90                                                 | 386                               | 347                   | 10.2             | 7.5 | 45             | Y                    | 25.6                                |
| 9                                                      | 139               | 1.08                                                 | 379                               | 410                   | 10.6             | 7.5 | 46             | Y                    | 26.0                                |
| 10                                                     | 144               | 1.07                                                 | 432                               | 462                   | 10.9             | 7.4 | 46             | Y                    | 22.9                                |
| 11                                                     | 136               | 1.22                                                 | 433                               | 528                   | 10.8             | 7.5 | 47             | Y                    | 22.8                                |
| 12                                                     | 2                 | 1.47                                                 | 365                               | 537                   | 10.9             | 7.5 | 48             | Y                    | 27.0                                |
| 13                                                     | 2108              | 1.28                                                 | 364                               | 466                   | 10.4             | 7.5 | 47             | Y                    | 27.1                                |
| 14                                                     | 8                 | 1.30                                                 | 365                               | 475                   | 10.6             | 7.6 | 57             | Y                    | 27.0                                |
| 15                                                     | 2358              | 1.19                                                 | 390                               | 465                   | 10.9             | 7.4 | 46             | Y                    | 25.3                                |
| 16                                                     | 240               | 1.19                                                 | 387                               | 461                   | 11.3             | 7.3 | 46             | Y                    | 25.5                                |
| 17                                                     | 1923              | 1.09                                                 | 385                               | 420                   | 12.1             | 7.5 | 46             | Y                    | 25.6                                |
| 18                                                     | 1524              | 0.91                                                 | 395                               | 359                   | 11.4             | 7.3 | 45             | Y                    | 25.0                                |
| 19                                                     | 2345              | 1.25                                                 | 373                               | 466                   | 11.9             | 7.2 | 47             | Y                    | 26.5                                |
| 20                                                     | 2240              | 1.23                                                 | 377                               | 464                   | 12.0             | 7.3 | 47             | Y                    | 26.2                                |
| 21                                                     | 24                | 1.22                                                 | 376                               | 459                   | 11.6             | 7.3 | 47             | Y                    | 26.2                                |
| 22                                                     | 223               | 1.25                                                 | 374                               | 467                   | 11.3             | 7.4 | 47             | Y                    | 26.4                                |
| 23                                                     | 2244              | 1.25                                                 | 374                               | 467                   | 11.6             | 7.4 | 47             | Y                    | 26.4                                |
| 24                                                     | 2205              | 1.14                                                 | 376                               | 429                   | 12.5             | 7.5 | 46             | Y                    | 26.2                                |
| 25                                                     | 34                | 1.16                                                 | 332                               | 385                   | 12.6             | 7.4 | 46             | Y                    | 29.8                                |
| 26                                                     | 2359              | 1.01                                                 | 328                               | 331                   | 12.4             | 7.4 | 46             | Y                    | 30.1                                |
| 27                                                     | 2234              | 0.97                                                 | 332                               | 322                   | 12.4             | 7.5 | 45             | Y                    | 29.8                                |
| 28                                                     | 0                 | 0.99                                                 | 335                               | 332                   | 12.5             | 7.7 | 54             | Y                    | 29.5                                |
| 29                                                     | 2230              | 1.02                                                 | 2,159                             | 2,202                 | 12.4             | 7.6 | 55             | Y                    | 4.6                                 |
| 30                                                     | 920               | 1.28                                                 | 290                               | 371                   | 12.4             | 7.7 | 57             | Y                    | 34.0                                |
|                                                        |                   |                                                      |                                   |                       |                  |     |                |                      |                                     |

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

4/2/25 Using Franzen West Outlet as L1 CT Site. Contact time calculated from volume of Franzen Reservoir times Report Date: May 20, 2025  
0.1 baffling factor. Water quality data collected at Franzen West Outlet.