

# OHA - Drinking Water Program - Turbidity Monitoring Report Form

## Conventional or Direct Filtration

County: Lane

System Name: Eugene Water & Electric Board ID#: 4100287 WTP: WTP-A Month/Year: Jan, 2025

| Day | 12 AM (NTU) | 4 AM (NTU) | 8 AM (NTU) | NOON (NTU) | 4 PM (NTU) | 8 PM (NTU) | Daily Maximum (NTU) <sup>1</sup> |
|-----|-------------|------------|------------|------------|------------|------------|----------------------------------|
| 01  | 0.031       | 0.030      | 0.031      | 0.031      | 0.032      | 0.031      | 0.032                            |
| 02  | 0.031       | 0.032      | 0.031      | 0.031      | 0.034      | 0.033      | 0.034                            |
| 03  | 0.033       | 0.034      | 0.033      | 0.034      | 0.032      | 0.032      | 0.034                            |
| 04  | 0.032       | 0.031      | 0.031      | 0.031      | 0.030      | 0.031      | 0.032                            |
| 05  | 0.030       | 0.032      | 0.034      | 0.033      | 0.033      | 0.033      | 0.034                            |
| 06  | 0.033       | 0.033      | 0.031      | 0.039      | 0.030      | 0.031      | 0.039                            |
| 07  | 0.031       | 0.032      | 0.031      | 0.031      | 0.031      | 0.031      | 0.032                            |
| 08  | 0.030       | 0.033      | 0.031      | 0.033      | 0.030      | 0.031      | 0.033                            |
| 09  | 0.031       | 0.031      | 0.031      | 0.034      | 0.036      | 0.031      | 0.036                            |
| 10  | 0.030       | 0.030      | 0.030      | 0.035      | 0.035      | 0.035      | 0.035                            |
| 11  | 0.035       | 0.035      | 0.033      | 0.032      | 0.032      | 0.032      | 0.035                            |
| 12  | 0.032       | 0.032      | 0.035      | 0.035      | 0.034      | 0.035      | 0.035                            |
| 13  | 0.034       | 0.034      | 0.030      | 0.030      | 0.030      | 0.033      | 0.034                            |
| 14  | 0.034       | 0.031      | 0.031      | 0.030      | 0.030      | 0.031      | 0.034                            |
| 15  | 0.028       | 0.028      | 0.028      | 0.028      | 0.028      | 0.028      | 0.028                            |
| 16  | 0.029       | 0.031      | 0.035      | 0.035      | 0.035      | 0.035      | 0.035                            |
| 17  | 0.035       | 0.033      | 0.032      | 0.032      | 0.032      | 0.032      | 0.035                            |
| 18  | 0.030       | 0.030      | 0.030      | 0.030      | 0.029      | 0.030      | 0.030                            |
| 19  | 0.031       | 0.031      | 0.033      | 0.032      | 0.032      | 0.036      | 0.036                            |
| 20  | 0.035       | 0.035      | 0.035      | 0.035      | 0.035      | 0.032      | 0.035                            |
| 21  | 0.032       | 0.032      | 0.032      | 0.035      | 0.032      | 0.030      | 0.035                            |
| 22  | 0.031       | 0.032      | 0.037      | 0.031      | 0.031      | 0.031      | 0.037                            |
| 23  | 0.032       | 0.035      | 0.034      | 0.036      | 0.035      | 0.035      | 0.036                            |
| 24  | 0.035       | 0.035      | 0.036      | 0.033      | 0.033      | 0.032      | 0.036                            |
| 25  | 0.033       | 0.032      | 0.032      | 0.031      | 0.031      | 0.031      | 0.033                            |
| 26  | 0.031       | 0.031      | 0.035      | 0.035      | 0.035      | 0.035      | 0.035                            |
| 27  | 0.035       | 0.032      | 0.035      | 0.032      | 0.032      | 0.032      | 0.035                            |
| 28  | 0.031       | 0.035      | 0.035      | 0.035      | 0.035      | 0.035      | 0.035                            |
| 29  | 0.035       | 0.029      | 0.029      | 0.029      | 0.035      | 0.032      | 0.035                            |
| 30  | 0.032       | 0.033      | 0.031      | 0.034      | 0.034      | 0.035      | 0.035                            |
| 31  | 0.034       | 0.035      | 0.034      | 0.030      | 0.030      | 0.031      | 0.035                            |

| Conventional or Direct Filtration   | Monthly Summary (Answer Yes or No) |   |
|---|------------------------------------|---|
| 95% of turbidity readings <= 0.3 NTU? <b>Y</b><br>All turbidity readings < 1 NTU? <b>Y</b><br>All Turbidity readings < 1 IFE2 triggers? <b>Y</b> <sup>1</sup> | CT's met everyday? <b>Y</b>        | All CI residuals at entry point >= 0.2 mg/L? <b>Y</b> |
| <b>Notes:</b>   | PRINTED NAME:                      |   |
|   | SIGNATURE:                         | DATE: 02/03/2025                                      |
|   | PHONE #: (541) 685-7836            | CERT #: 8395  |

1. Including continuous turbidity data, if applicable, for optimization recording purposes. Compliance values in columns "12 AM" through "8 PM" may not correspond to continuous readings' maximum.  
2. IFE = Individual Filter Effluent.

# OHA - Drinking Water Program - Surface Water Quality Data

Month/Year: Jan, 2025

Eugene Water & Electric Board

ID#: 4100287

WTP-: WTP-A

## Required Log inactivation: 1

| Day | Time of Min Cl2 | Peak Hourly Flow (gpm) | Min Cl2 Res at entry point (mg/L) | Contact Time (min) | Combined Actual CT (min*mg/L) | CW Basin Temp (deg C) | Res FW Temp (deg C) | T-Main Temp (deg C) | CW Basin pH (Max) | FW Res pH (Max) | T-Main pH (Max) | Basin CT Req | Res CT Req | T-45" CT Req | T-60" CT Req | CT Met | Log Inactivation |
|-----|-----------------|------------------------|-----------------------------------|--------------------|-------------------------------|-----------------------|---------------------|---------------------|-------------------|-----------------|-----------------|--------------|------------|--------------|--------------|--------|------------------|
| 01  | 11:00           | 19,380                 | 0.70                              | 636                | 440                           | -                     | 7.0                 | 7.7                 | -                 | 8.2             | 8.1             | 0            | <b>70</b>  | 63           | 64           | Y      | 6.74             |
| 02  | 08:00           | 20,776                 | 0.69                              | 588                | 404                           | -                     | 7.0                 | 7.5                 | -                 | 8.1             | 8.1             | 0            | <b>67</b>  | 64           | 65           | Y      | 6.19             |
| 03  | 15:00           | 19,613                 | 0.70                              | 618                | 428                           | -                     | 7.2                 | 7.5                 | -                 | 8.1             | 8.0             | 0            | <b>66</b>  | 63           | 63           | Y      | 6.70             |
| 04  | 22:00           | 18,336                 | 0.68                              | 650                | 447                           | -                     | 7.6                 | 7.6                 | -                 | 8.0             | 8.0             | 0            | <b>63</b>  | 62           | 61           | Y      | 7.21             |
| 05  | 07:00           | 19,245                 | 0.68                              | 630                | 421                           | -                     | 7.5                 | 7.7                 | -                 | 8.1             | 8.0             | 0            | <b>64</b>  | 62           | 62           | Y      | 6.73             |
| 06  | 20:00           | 18,878                 | 0.71                              | 626                | 439                           | -                     | 7.6                 | 7.7                 | -                 | 8.0             | 8.0             | 0            | <b>62</b>  | 61           | 61           | Y      | 7.17             |
| 07  | 14:00           | 21,487                 | 0.68                              | 561                | 386                           | -                     | 7.3                 | 7.6                 | -                 | 8.0             | 8.0             | 0            | <b>63</b>  | 63           | 63           | Y      | 6.12             |
| 08  | 06:00           | 20,998                 | 0.68                              | 574                | 384                           | -                     | 6.9                 | 7.2                 | -                 | 8.1             | 8.0             | 0            | <b>67</b>  | 65           | 65           | Y      | 5.89             |
| 09  | 09:00           | 21,208                 | 0.68                              | 567                | 382                           | -                     | 6.7                 | 7.2                 | -                 | 8.1             | 8.0             | 0            | <b>68</b>  | 65           | 65           | Y      | 5.79             |
| 10  | 19:00           | 20,613                 | 0.67                              | 586                | 392                           | -                     | 6.6                 | 7.3                 | -                 | 8.0             | 8.1             | 0            | <b>68</b>  | 65           | 65           | Y      | 5.98             |
| 11  | 17:00           | 18,640                 | 0.66                              | 648                | 430                           | -                     | 6.6                 | 7.3                 | -                 | 8.0             | 8.0             | 0            | <b>66</b>  | 64           | 63           | Y      | 6.69             |
| 12  | 10:00           | 19,670                 | 0.67                              | 606                | 407                           | -                     | 6.8                 | 7.4                 | -                 | 8.0             | 8.1             | 0            | <b>66</b>  | 64           | 64           | Y      | 6.30             |
| 13  | 23:00           | 20,526                 | 0.67                              | 354                | 241                           | -                     | 6.5                 | 7.1                 | -                 | 8.0             | 8.0             | 0            | <b>66</b>  | 0            | 65           | Y      | 3.67             |
| 14  | 08:00           | 19,539                 | 0.67                              | 614                | 413                           | -                     | 6.1                 | 6.8                 | -                 | 7.9             | 8.0             | 0            | <b>67</b>  | 65           | 65           | Y      | 6.29             |
| 15  | 09:00           | 20,247                 | 0.67                              | 592                | 406                           | -                     | 5.9                 | 6.6                 | -                 | 8.0             | 7.9             | 0            | <b>70</b>  | 64           | 66           | Y      | 6.14             |
| 16  | 23:00           | 20,047                 | 0.67                              | 598                | 411                           | -                     | 5.8                 | 6.4                 | -                 | 7.9             | 7.9             | 0            | <b>68</b>  | 65           | 67           | Y      | 6.13             |
| 17  | 17:00           | 20,486                 | 0.66                              | 591                | 399                           | -                     | 5.7                 | 6.4                 | -                 | 7.9             | 7.9             | 0            | <b>68</b>  | 64           | 66           | Y      | 6.06             |
| 18  | 05:00           | 19,472                 | 0.66                              | 615                | 414                           | -                     | 5.7                 | 6.3                 | -                 | 7.9             | 7.9             | 0            | <b>69</b>  | 65           | 66           | Y      | 6.24             |
| 19  | 21:00           | 20,177                 | 0.66                              | 599                | 408                           | -                     | 5.2                 | 5.9                 | -                 | 7.9             | 7.9             | 0            | <b>71</b>  | 67           | 69           | Y      | 5.94             |
| 20  | 05:00           | 20,555                 | 0.65                              | 581                | 388                           | -                     | 4.8                 | 5.4                 | -                 | 7.9             | 7.9             | 0            | <b>74</b>  | 70           | 71           | Y      | 5.45             |
| 21  | 04:00           | 20,099                 | 0.65                              | 592                | 394                           | -                     | 4.6                 | 5.3                 | -                 | 8.0             | 8.0             | 0            | <b>77</b>  | 72           | 72           | Y      | 5.37             |
| 22  | 23:00           | 19,491                 | 0.64                              | 631                | 411                           | -                     | 4.5                 | 5.2                 | -                 | 8.0             | 8.0             | 0            | <b>76</b>  | 73           | 72           | Y      | 5.58             |
| 23  | 03:00           | 20,737                 | 0.63                              | 596                | 378                           | -                     | 4.4                 | 5.1                 | -                 | 8.0             | 8.0             | 0            | <b>77</b>  | 74           | 73           | Y      | 5.08             |
| 24  | 07:00           | 20,483                 | 0.66                              | 592                | 393                           | -                     | 4.5                 | 5.1                 | -                 | 8.0             | 8.0             | 0            | <b>76</b>  | 74           | 73           | Y      | 5.31             |
| 25  | 23:00           | 19,002                 | 0.64                              | 631                | 412                           | -                     | 4.6                 | 5.2                 | -                 | 8.0             | 8.0             | 0            | <b>76</b>  | 72           | 72           | Y      | 5.61             |
| 26  | 04:00           | 19,846                 | 0.63                              | 608                | 387                           | -                     | 4.3                 | 4.9                 | -                 | 8.1             | 8.0             | 0            | <b>80</b>  | 74           | 73           | Y      | 5.14             |
| 27  | 04:00           | 19,732                 | 0.67                              | 597                | 399                           | -                     | 4.1                 | 4.7                 | -                 | 8.2             | 8.0             | 0            | <b>84</b>  | 76           | 76           | Y      | 5.10             |
| 28  | 23:00           | 21,557                 | 0.65                              | 566                | 369                           | -                     | 4.0                 | 4.6                 | -                 | 8.0             | 8.0             | 0            | <b>79</b>  | 76           | 76           | Y      | 4.79             |
| 29  | 02:00           | 20,010                 | 0.64                              | 602                | 382                           | -                     | 4.1                 | 4.6                 | -                 | 8.0             | 7.9             | 0            | <b>78</b>  | 74           | 73           | Y      | 5.13             |
| 30  | 03:00           | 19,895                 | 0.69                              | 613                | 422                           | -                     | 4.2                 | 4.6                 | -                 | 8.0             | 7.9             | 0            | <b>78</b>  | 74           | 73           | Y      | 5.64             |
| 31  | 23:00           | 19,277                 | 0.65                              | 615                | 400                           | -                     | 4.3                 | 4.8                 | -                 | 8.0             | 7.9             | 0            | <b>77</b>  | 72           | 71           | Y      | 5.46             |

3. If Cl2 at entry point <0.2 mg/L, or CT not met, notify DWP by end of next business day.

Data

| Out of Service Events |              |   |
|-----------------------|--------------|---|
| Basin                 |              |   |
| OOS Start Date        | OOS End Date | Comment   |
| Oct 01, 2020          | -            | Basin OOS to remove required CT value                             |
| 45" Res Line          |              |   |
| OOS Start Date        | OOS End Date | Comment   |
| Jan 06, 2025          | Jan 10, 2025 | 45" Chlorine probe at the sample shack OOS. Membrane replacement. |
| 45" Tie Line          |              |   |
| OOS Start Date        | OOS End Date | Comment   |
| Jan 13, 2025          | Jan 13, 2025 | 45" Intertie chlorine and pH are OOS for maintenance.             |

**Data Alterations**