

OHA - Drinking Water Services - Turbidity Monitoring Report  
Conventional or Direct Filtration County: Columbia

Name: Vernonia, City of ID# OR4100922 WTP:WTP-A Month/Year: Dec 2024

| DAY | 12 AM<br>(NTU) | 4 AM<br>(NTU) | 8 AM<br>(NTU) | NOON<br>(NTU) | 4 PM<br>(NTU) | 8 PM<br>(NTU) | Highest Reading of the<br>Day <sup>1</sup> (NTU) |
|-----|----------------|---------------|---------------|---------------|---------------|---------------|--------------------------------------------------|
| 1   | off            | off           | .03           | .05           | .05           | off           | .15                                              |
| 2   |                |               | .03           | .03           | off           |               | .13                                              |
| 3   |                |               | .05           | .03           |               |               | .10                                              |
| 4   |                |               | .03           | .03           |               |               | .15                                              |
| 5   |                |               | .03           | .04           |               |               | .15                                              |
| 6   |                |               | .03           | .04           |               |               | .09                                              |
| 7   |                |               | .04           | .04           |               |               | .15                                              |
| 8   |                |               | off           | .04           |               |               | .15                                              |
| 9   |                |               | .03           | .04           |               |               | .13                                              |
| 10  |                |               | .04           | .04           |               |               | .30                                              |
| 11  |                |               | .04           | .04           |               |               | .20                                              |
| 12  |                |               | .03           | .04           |               |               | .25                                              |
| 13  |                |               | .04           | .04           |               |               | .10                                              |
| 14  |                |               | .03           | .04           |               |               | .15                                              |
| 15  |                |               | .03           | .05           |               |               | .15                                              |
| 16  |                |               | .03           | .04           | ✓             |               | .15                                              |
| 17  |                |               | .03           | .03           |               |               | .14                                              |
| 18  |                |               | .03           | .03           | .04           |               | .18                                              |
| 19  |                |               | .03           | .04           | off           |               | .12                                              |
| 20  |                |               | .04           | .03           | .03           |               | .20                                              |
| 21  |                |               | .05           | .03           | .03           |               | .12                                              |
| 22  |                |               | .03           | .03           | .05           |               | .15                                              |
| 23  |                |               | .03           | .03           | off           |               | .14                                              |
| 24  |                |               | .03           | .03           | off           |               | .20                                              |
| 25  |                |               | .03           | .04           | off           | ✓             | .15                                              |
| 26  |                |               | .03           | .04           | off           | .05           | .20                                              |
| 27  |                |               | .05           | .05           | off           | off           | .25                                              |
| 28  |                |               | .04           | .04           | .04           | off           | .20                                              |
| 29  |                |               | .04           | .07           | .07           |               | .20                                              |
| 30  | ✓              | X             | .05           | off           | off           |               | .07                                              |
| 31  |                |               | .04           | .05           | .05           | ✓             | .15                                              |

|                                                                                 |     |                                                     |                                                                                |
|---------------------------------------------------------------------------------|-----|-----------------------------------------------------|--------------------------------------------------------------------------------|
| Conventional or Direct Filtration<br>Monthly Summary                            |     | Monthly Summary (Answer Yes or No)                  |                                                                                |
| 95% of the 4-hour turbidity readings < 0.3 NTU? <u>Yes</u> / No                 | All | CT's met everyday?<br>(see back)<br><u>Yes</u> / No | All CI <sup>2</sup> residuals at entry<br>point > 0.2 mg/l?<br><u>Yes</u> / No |
| the 4-hour turbidity readings < NTU? <u>Yes</u> / No                            |     |                                                     |                                                                                |
| All turbidity reading < IFE <sup>2</sup> triggers? <u>Yes</u> / No <sup>2</sup> |     |                                                     |                                                                                |
| Notes:<br><u>Highest NTU of the day<br/>is Right Before a BW</u>                |     | PRINTED NAME: <u>Jeff Burch</u>                     |                                                                                |
|                                                                                 |     | SIGNATURE: <u>Jeff Burch</u>                        | Date: <u>1-9-25</u>                                                            |
|                                                                                 |     | Phone # 503-429-6921                                | CERT# <u>6091</u>                                                              |

<sup>1</sup> Including continuous turbidity data, if applicable, for optimization recording purposes. Compliance values in columns "12AM" - "8PM" may not correspond to continuous readings' maximum.

<sup>2</sup> IFE = Individ. Filter Effl. (OAR 333-061-0040(1)(d)(B&C))

# OHA - Drinking Water Program - Surface Water Quality Data Form - Giardia Inactivation

Name: Vernonia, City of ID# OR4100922 WTP-: Month/Year:

Log Requirement: 0.5

| Date / Time | Minimum Cl <sub>2</sub><br>Residual at 1st<br>User (C) <sup>3</sup> | Contact<br>Time<br>(T) | Actual CT | Temp  | pH  | Required<br>CT | CT Met? <sup>3</sup> | Peak Hourly<br>Demand<br>Flow |
|-------------|---------------------------------------------------------------------|------------------------|-----------|-------|-----|----------------|----------------------|-------------------------------|
|             | [ppm or mg/L]                                                       | [minutes]              | C X T     | [° C] |     | Use Tables     | Yes / No             | [GPM]                         |
| 1/10:00am   | 1.7                                                                 | 34                     | 58        | 7     | 7.4 | 57             | Yes                  | 605                           |
| 2/8:30am    | 1.9                                                                 | 34                     | 65        | 7     | 7.5 | 60             | Yes                  | 605                           |
| 3/9:00am    | 1.9                                                                 | 34                     | 65        | 7     | 7.3 | 56             | Yes                  | 605                           |
| 4/10:00am   | 1.9                                                                 | 34                     | 65        | 7     | 7.3 | 56             | Yes                  | 605                           |
| 5/8:40am    | 1.8                                                                 | 34                     | 61        | 7     | 7.3 | 55             | Yes                  | 605                           |
| 6/8:20am    | 1.8                                                                 | 34                     | 61        | 7     | 7.5 | 59             | Yes                  | 605                           |
| 7/10:30am   | 1.8                                                                 | 34                     | 61        | 7     | 7.5 | 59             | Yes                  | 605                           |
| 8/9:45am    | 1.9                                                                 | 34                     | 65        | 7     | 7.5 | 60             | Yes                  | 605                           |
| 9/9:45am    | 1.9                                                                 | 34                     | 65        | 7     | 7.4 | 58             | Yes                  | 605                           |
| 10/2:30pm   | 1.8                                                                 | 34                     | 61        | 7     | 7.3 | 55             | Yes                  | 605                           |
| 11/2:10pm   | 1.8                                                                 | 34                     | 61        | 7     | 7.5 | 59             | Yes                  | 605                           |
| 12/9:50am   | 1.8                                                                 | 34                     | 61        | 8     | 7.4 | 54             | Yes                  | 605                           |
| 13/8:30am   | 1.7                                                                 | 34                     | 58        | 8     | 7.4 | 54             | Yes                  | 605                           |
| 14/10:00am  | 1.8                                                                 | 34                     | 61        | 9     | 7.4 | 50             | Yes                  | 605                           |
| 15/1:30pm   | 1.8                                                                 | 34                     | 61        | 10    | 7.4 | 47             | Yes                  | 605                           |
| 16/10:30am  | 1.8                                                                 | 34                     | 61        | 8     | 7.5 | 55             | Yes                  | 605                           |
| 17/10:30am  | 1.8                                                                 | 34                     | 61        | 10    | 7.5 | 49             | Yes                  | 605                           |
| 18/10:00am  | 2.3                                                                 | 34                     | 78        | 10    | 7.5 | 52             | Yes                  | 605                           |
| 19/11:00am  | 2.2                                                                 | 34                     | 75        | 10    | 7.3 | 47             | Yes                  | 605                           |
| 20/9:30am   | 2.2                                                                 | 34                     | 75        | 10    | 7.3 | 47             | Yes                  | 605                           |
| 21/1:45pm   | 1.8                                                                 | 34                     | 61        | 10    | 7.3 | 46             | Yes                  | 605                           |
| 22/1:00pm   | 1.8                                                                 | 34                     | 61        | 10    | 7.3 | 46             | Yes                  | 605                           |
| 23/10:00am  | 1.6                                                                 | 34                     | 54        | 10    | 7.5 | 48             | Yes                  | 605                           |
| 24/10:40am  | 1.6                                                                 | 34                     | 54        | 10    | 7.5 | 48             | Yes                  | 605                           |
| 25/8:30am   | 1.7                                                                 | 34                     | 58        | 10    | 7.4 | 47             | Yes                  | 605                           |
| 26/11:00am  | 1.9                                                                 | 34                     | 65        | 9     | 7.5 | 53             | Yes                  | 605                           |
| 27/1:00pm   | 1.8                                                                 | 34                     | 61        | 9     | 7.4 | 51             | Yes                  | 605                           |
| 28/1:30pm   | 1.9                                                                 | 34                     | 65        | 9     | 7.5 | 53             | Yes                  | 605                           |
| 29/3:30pm   | 1.9                                                                 | 34                     | 65        | 9     | 7.4 | 51             | Yes                  | 605                           |
| 30/11:00am  | 1.8                                                                 | 34                     | 61        | 9     | 7.5 | 52             | Yes                  | 605                           |
| 31/8:20am   | 1.6                                                                 | 34                     | 54        | 9     | 7.5 | 51             | Yes                  | 605                           |

<sup>3</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/l, OR CT not met, notify DWS within 24 hours