

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

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

| DAY | 12 AM (NTU) | 4 AM (NTU) | 8 AM (NTU) | NOON (NTU) | 4 PM (NTU) | 8 PM (NTU) | Highest Reading of the Day <sup>1</sup> (NTU) |
|-----|-------------|------------|------------|------------|------------|------------|---|
| 1   | off         | off        | .04        | .03        | .03        | off        | .15   |
| 2   |             |            | .04        | .03        | .03        |            | .12   |
| 3   |             |            | off        | .04        | .03        |            | .10   |
| 4   |             |            | .05        | .03        | .03        |            | .14   |
| 5   |             |            | .03        | .03        | off        |            | .03   |
| 6   |             |            | .04        | .04        |            |            | .17   |
| 7   |             |            | .04        | .04        |            |            | .17   |
| 8   |             |            | .05        | .04        |            |            | .13   |
| 9   |             |            | .04        | .04        |            |            | .12   |
| 10  |             |            | off        | .04        | .04        |            | .18   |
| 11  |             |            | .04        | .04        | off        |            | .15   |
| 12  |             |            | .04        | .04        |            |            | .04   |
| 13  |             |            | .05        | .04        |            |            | .18   |
| 14  |             |            | .04        | .04        |            |            | .15   |
| 15  |             |            | .03        | .03        |            |            | .09   |
| 16  |             |            | .03        | .03        |            |            | .09   |
| 17  |             |            | .03        | .03        |            |            | .10   |
| 18  |             |            | .03        | .04        |            |            | .12   |
| 19  |             |            | .04        | .03        |            |            | .10   |
| 20  |             |            | .04        | .04        |            |            | .09   |
| 21  |             |            | .03        | .03        |            |            | .03   |
| 22  |             |            | .03        | .05        |            |            | .15   |
| 23  |             |            | off        | .06        | .03        |            | .15   |
| 24  |             |            | .06        | .06        | off        |            | .06   |
| 25  |             |            | .04        | .03        |            |            | .17   |
| 26  |             |            | .03        | .03        |            |            | .25   |
| 27  |             |            | .03        | .03        |            |            | .03   |
| 28  |             |            | .03        | .05        |            |            | .21   |
| 29  |             |            | .03        | .05        |            |            | .27   |
| 30  |             |            | .03        | .03        | .03        |            | .20   |
| 31  |             |            | .03        | .03        | off        |            | .03   |

|  |                                    |
|--|------------------------------------|
| Conventional or Direct Filtration<br>Monthly Summary | Monthly Summary (Answer Yes or No) |
|--|------------------------------------|

|  |   |  |
|--|---|--|
| 95% of the 4-hour turbidity readings < 0.3 NTU? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No    | All CT's met everyday? (see back) <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No | All Cl <sup>2</sup> residuals at entry point > 0.2 mg/l? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No |
| the 4-hour turbidity readings < NTU? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No               |   |  |
| All turbidity reading < IFE <sup>2</sup> triggers? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No |   |  |

|   |                                 |                     |
|---|---------------------------------|---------------------|
| Notes:<br>Highest NTU of the Day is Right Before a BW | PRINTED NAME: <u>Jeff Burch</u> |                     |
|   | SIGNATURE: <u>Jeff Burch</u>    | Date: <u>4-9-24</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> Residual at 1st User (C) <sup>3</sup> | Contact Time (T) | Actual CT | Temp | pH  | Required CT | CT Met? <sup>3</sup> | Peak Hourly Demand Flow |
|-------------|---|------------------|-----------|------|-----|-------------|----------------------|-------------------------|
|             | [ppm or mg/L]   | [minutes]        | CXT       | [°C] |     | Use Tables  | Yes / No             | [GPM]                   |
| 1/3:45pm    | 2.3   | 34               | 78        | 7.0  | 7.3 | 58          | Yes                  | 605                     |
| 2/4:00pm    | 2.0   | 34               | 68        | 7    | 7.4 | 58          | Yes                  | 605                     |
| 3/10:00am   | 2.2   | 34               | 75        | 7    | 7.4 | 59          | Yes                  | 605                     |
| 4/2:00pm    | 1.8   | 34               | 61        | 7    | 7.5 | 59          | Yes                  | 605                     |
| 5/2:00pm    | 2.1   | 34               | 71        | 7    | 7.5 | 61          | Yes                  | 605                     |
| 6/2:45pm    | 2.1   | 34               | 71        | 7    | 7.3 | 57          | Yes                  | 605                     |
| 7/1:40pm    | 2.1   | 34               | 71        | 7    | 7.3 | 57          | Yes                  | 605                     |
| 8/8:40am    | 1.9   | 34               | 65        | 7    | 7.5 | 60          | Yes                  | 605                     |
| 9/11:20am   | 1.9   | 34               | 65        | 8.0  | 7.4 | 55          | Yes                  | 605                     |
| 10/1:15pm   | 1.9   | 34               | 65        | 8    | 7.5 | 57          | Yes                  | 605                     |
| 11/10:00am  | 2.3   | 34               | 78        | 9    | 7.5 | 56          | Yes                  | 605                     |
| 12/10:30am  | 2.0   | 34               | 68        | 8    | 7.3 | 57          | Yes                  | 605                     |
| 13/3:40pm   | 1.8   | 34               | 61        | 8    | 7.4 | 54          | Yes                  | 605                     |
| 14/2:45pm   | 1.8   | 34               | 61        | 8    | 7.4 | 54          | Yes                  | 605                     |
| 15/9:30am   | 2.0   | 34               | 68        | 9    | 7.5 | 53          | Yes                  | 605                     |
| 16/9:00am   | 2.1   | 34               | 71        | 9    | 7.4 | 52          | Yes                  | 605                     |
| 17/9:45am   | 2.1   | 34               | 71        | 10   | 7.4 | 49          | Yes                  | 605                     |
| 18/10:00am  | 1.6   | 34               | 54        | 10   | 7.4 | 48          | Yes                  | 605                     |
| 19/3:30pm   | 1.6   | 34               | 54        | 10   | 7.4 | 48          | Yes                  | 605                     |
| 20/10:40am  | 2.0   | 34               | 68        | 10   | 7.5 | 50          | Yes                  | 605                     |
| 21/2:00pm   | 1.7   | 34               | 58        | 10   | 7.5 | 49          | Yes                  | 605                     |
| 22/11:45am  | 1.7   | 34               | 58        | 10   | 7.3 | 46          | Yes                  | 605                     |
| 23/11:00am  | 1.8   | 34               | 61        | 10   | 7.3 | 46          | Yes                  | 605                     |
| 24/10:00am  | 1.8   | 34               | 61        | 10   | 7.3 | 46          | Yes                  | 605                     |
| 25/9:50am   | 1.9   | 34               | 65        | 10   | 7.5 | 50          | Yes                  | 605                     |
| 26/11:00am  | 1.8   | 34               | 61        | 10   | 7.5 | 49          | Yes                  | 605                     |
| 27/10:40am  | 1.8   | 34               | 61        | 10   | 7.5 | 49          | Yes                  | 605                     |
| 28/10:30am  | 1.8   | 34               | 61        | 10   | 7.5 | 49          | Yes                  | 605                     |
| 29/3:00pm   | 1.8   | 34               | 61        | 10   | 7.5 | 49          | Yes                  | 605                     |
| 30/11:30am  | 1.8   | 34               | 61        | 10   | 7.5 | 49          | Yes                  | 605                     |
| 31/10:00am  | 1.9   | 34               | 65        | 10   | 7.5 | 50          | 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