

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

Name: Vernonia, City of ID# OR4100922 WTP:-WTP-A Month/Year: NOV, 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           | .04           | OFF           | OFF           | .15                                              |
| 2   |                |               | .06           | .07           | .06           |               | .20                                              |
| 3   |                |               | OFF           | .06           | OFF           |               | .20                                              |
| 4   |                |               | .04           | .04           | OFF           |               | .15                                              |
| 5   |                |               | .04           | .04           | OFF           |               | .22                                              |
| 6   |                |               | .05           | .05           | .05           |               | .15                                              |
| 7   |                |               | OFF           | .05           | OFF           |               | .12                                              |
| 8   |                |               | .04           | .04           | OFF           |               | .15                                              |
| 9   |                |               | OFF           | .04           | .04           |               | .20                                              |
| 10  |                |               | OFF           | .04           | .03           |               | .15                                              |
| 11  |                |               | .03           | .04           | .04           |               | .15                                              |
| 12  |                |               | .03           | .05           | OFF           |               | .13                                              |
| 13  |                |               | .03           | .04           | OFF           |               | .15                                              |
| 14  |                |               | .05           | .05           | .05           |               | .17                                              |
| 15  |                |               | .05           | OFF           | OFF           |               | .15                                              |
| 16  |                |               | .05           | .05           | OFF           |               | .25                                              |
| 17  |                |               | OFF           | .05           | .07           |               | .18                                              |
| 18  |                |               | .05           | .06           | .05           |               | .25                                              |
| 19  |                |               | OFF           | .04           | .04           |               | .23                                              |
| 20  |                |               | .04           | .05           | OFF           |               | .15                                              |
| 21  |                |               | .04           | .04           | OFF           |               | .19                                              |
| 22  |                |               | .04           | .04           | OFF           |               | .15                                              |
| 23  |                |               | .04           | .05           | .04           |               | .19                                              |
| 24  |                |               | OFF           | .04           | OFF           |               | .25                                              |
| 25  |                |               | .04           | .05           | .03           |               | .20                                              |
| 26  |                |               | .05           | .05           | OFF           |               | .14                                              |
| 27  |                |               | .03           | .03           | OFF           |               | .12                                              |
| 28  |                |               | .03           | .04           | .04           |               | .12                                              |
| 29  |                |               | .03           | .05           | OFF           |               | .15                                              |
| 30  | ✓              | ✓             | .04           | .04           | OFF           | ✓             | .14                                              |
| 31  |                |               |               |               |               |               |                                                  |

| 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 Cl <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>Highest NTU of the day<br>is Right before a BW | PRINTED NAME: <u>Jeff Burch</u>                    |
|                                                          | SIGNATURE: <u>[Signature]</u> Date: <u>12-3-24</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: NOV. 2024 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]                         |
| 1/1:30pm    | 1.4                                                                 | 34                     | 48        | 10    | 7.3 | 44             | Yes                  | 605                           |
| 2/10:00am   | 1.7                                                                 | 34                     | 58        | 10    | 7.3 | 46             | Yes                  | 605                           |
| 3/1:00pm    | 1.4                                                                 | 34                     | 48        | 10    | 7.3 | 44             | Yes                  | 605                           |
| 4/10:00am   | 1.5                                                                 | 34                     | 51        | 10    | 7.4 | 46             | Yes                  | 605                           |
| 5/2:00pm    | 1.5                                                                 | 34                     | 51        | 10    | 7.4 | 46             | Yes                  | 605                           |
| 6/1:00pm    | 1.6                                                                 | 34                     | 54        | 10    | 7.4 | 46             | Yes                  | 605                           |
| 7/11:30am   | 1.6                                                                 | 34                     | 54        | 10    | 7.3 | 45             | Yes                  | 605                           |
| 8/12:00pm   | 1.5                                                                 | 34                     | 51        | 10    | 7.3 | 45             | Yes                  | 605                           |
| 9/2:30pm    | 1.5                                                                 | 34                     | 51        | 10    | 7.4 | 46             | Yes                  | 605                           |
| 10/3:00pm   | 1.4                                                                 | 34                     | 48        | 10    | 7.4 | 45             | Yes                  | 605                           |
| 11/11:45am  | 1.5                                                                 | 34                     | 51        | 10    | 7.4 | 46             | Yes                  | 605                           |
| 12/10:00am  | 1.5                                                                 | 34                     | 51        | 10    | 7.4 | 46             | Yes                  | 605                           |
| 13/11:00am  | 1.6                                                                 | 34                     | 54        | 10    | 7.4 | 46             | Yes                  | 605                           |
| 14/1:00pm   | 1.5                                                                 | 34                     | 51        | 10    | 7.3 | 45             | Yes                  | 605                           |
| 15/1:00pm   | 1.5                                                                 | 34                     | 51        | 10    | 7.3 | 45             | Yes                  | 605                           |
| 16/10:00am  | 1.5                                                                 | 34                     | 51        | 9     | 7.3 | 42             | Yes                  | 605                           |
| 17/12:30pm  | 1.5                                                                 | 34                     | 51        | 9     | 7.3 | 42             | Yes                  | 605                           |
| 18/11:45am  | 1.7                                                                 | 34                     | 58        | 9     | 7.4 | 44             | Yes                  | 605                           |
| 19/1:00pm   | 1.8                                                                 | 34                     | 61        | 9     | 7.5 | 46             | Yes                  | 605                           |
| 20/1:30pm   | 2.0                                                                 | 34                     | 68        | 9     | 7.3 | 43             | Yes                  | 605                           |
| 21/2:00pm   | 2.0                                                                 | 34                     | 68        | 9     | 7.4 | 45             | Yes                  | 605                           |
| 22/12:00pm  | 1.8                                                                 | 34                     | 61        | 9     | 7.5 | 46             | Yes                  | 605                           |
| 23/1:30pm   | 1.8                                                                 | 34                     | 61        | 9     | 7.4 | 44             | Yes                  | 605                           |
| 24/11:45am  | 1.6                                                                 | 34                     | 54        | 9     | 7.4 | 43             | Yes                  | 605                           |
| 25/2:00pm   | 1.8                                                                 | 34                     | 61        | 9     | 7.5 | 46             | Yes                  | 605                           |
| 26/9:50am   | 1.6                                                                 | 34                     | 54        | 9     | 7.5 | 45             | Yes                  | 605                           |
| 27/9:30am   | 1.8                                                                 | 34                     | 61        | 9     | 7.3 | 43             | Yes                  | 605                           |
| 28/12:00pm  | 1.8                                                                 | 34                     | 61        | 9     | 7.3 | 43             | Yes                  | 605                           |
| 29/9:00am   | 1.8                                                                 | 34                     | 61        | 9     | 7.3 | 43             | Yes                  | 605                           |
| 30/9:30am   | 1.6                                                                 | 34                     | 54        | 9     | 7.3 | 42             | Yes                  | 605                           |
| 31/         |                                                                     | 34                     |           |       |     |                |                      | 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