

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

Name: Vernonia, City of ID# OR4100922 WTP:-WTP-A Month/Year: May 2023

| DAY | 12 AM (NTU) | 4 AM (NTU) | 8 AM (NTU) | NOON (NTU) | 4 PM (NTU) | 8 PM (NTU) | Highest Reading of the Day ¹ (NTU) |
|-----|-------------|------------|------------|------------|------------|------------|---|
| 1 | off | off | .04 | .04 | off | off | .19 |
| 2 | | | .04 | .04 | | | .13 |
| 3 | | | .04 | .04 | | | .20 |
| 4 | | | .04 | .04 | | | .14 |
| 5 | | | .04 | .05 | | | .20 |
| 6 | | | .06 | .05 | | | .15 |
| 7 | | | .05 | .04 | | | .16 |
| 8 | | | .04 | .04 | | | .15 |
| 9 | | | .04 | .05 | | | .13 |
| 10 | | | .04 | .05 | | | .15 |
| 11 | | | .04 | .04 | | | .15 |
| 12 | | | .04 | .04 | | | .09 |
| 13 | | | .04 | .04 | | | .10 |
| 14 | | | .05 | .04 | .04 | | .14 |
| 15 | | | .04 | .04 | off | | .15 |
| 16 | | | .05 | .05 | off | | .05 |
| 17 | | | .04 | .05 | .05 | | .13 |
| 18 | | | .05 | .05 | off | | .12 |
| 19 | | | .05 | .04 | off | | .05 |
| 20 | | | .05 | .13 | .04 | | .23 |
| 21 | | | .05 | .05 | .05 | | .05 |
| 22 | | | .07 | .04 | off | | .13 |
| 23 | | | .05 | off | off | | .05 |
| 24 | | | .05 | .05 | .05 | .05 | .05 |
| 25 | | | .04 | .04 | .04 | off | .14 |
| 26 | | | .04 | off | .05 | | .07 |
| 27 | | | .05 | .04 | .05 | | .10 |
| 28 | | | .06 | .05 | .05 | | .09 |
| 29 | | | off | .04 | .04 | | .15 |
| 30 | | | .04 | .05 | off | | .12 |
| 31 | | | .05 | .05 | .05 | | .09 |

| | |
|---|------------------------------------|
| Conventional or Direct Filtration 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 ² 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 ² triggers? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No ² | | |

| | |
|--|---|
| Notes: Highest NTU of the Day is Right Before a BW | PRINTED NAME: <u>Jeff Burch</u> |
| | SIGNATURE: <u>[Signature]</u> Date: <u>6-6-23</u> |
| | Phone # 503-429-6921 CERT# <u>6091</u> |

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

² 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: May 2023 Log Requirement: 0.5

| Date / Time | Minimum Cl ₂ Residual at 1st User (C) ³ | Contact Time (T) | Actual CT | Temp | pH | Required CT | CT Met? ³ | Peak Hourly Demand Flow |
|-------------|---|------------------|-----------|-------|-----|-------------|----------------------|-------------------------|
| | [ppm or mg/L] | [minutes] | C X T | [° C] | | Use Tables | Yes / No | [GPM] |
| 1/2:00pm | 1.5 | 34 | 51 | 14 | 7.4 | 34 | Yes | 605 |
| 2/10:00am | 1.7 | 34 | 58 | 13 | 7.4 | 38 | Yes | 605 |
| 3/10:00am | 1.7 | 34 | 58 | 13 | 7.4 | 38 | Yes | 605 |
| 4/1:00pm | 1.7 | 34 | 58 | 12 | 7.4 | 41 | Yes | 605 |
| 5/9:00am | 1.8 | 34 | 61 | 11 | 7.4 | 44 | Yes | 605 |
| 6/1:00pm | 1.8 | 34 | 61 | 12 | 7.4 | 41 | Yes | 605 |
| 7/10:00am | 1.8 | 34 | 61 | 12 | 7.3 | 40 | Yes | 605 |
| 8/10:00am | 1.8 | 34 | 61 | 12 | 7.5 | 43 | Yes | 605 |
| 9/9:00am | 1.8 | 34 | 61 | 12 | 7.5 | 43 | Yes | 605 |
| 10/9:00am | 1.8 | 34 | 61 | 12 | 7.4 | 41 | Yes | 605 |
| 11/2:00pm | 1.8 | 34 | 61 | 12 | 7.4 | 41 | Yes | 605 |
| 12/1:00pm | 1.9 | 34 | 65 | 14 | 7.4 | 35 | Yes | 605 |
| 13/1:40pm | 1.9 | 34 | 65 | 15 | 7.4 | 32 | Yes | 605 |
| 14/12:30pm | 1.8 | 34 | 61 | 15 | 7.4 | 32 | Yes | 605 |
| 15/2:00pm | 1.6 | 34 | 54 | 15 | 7.4 | 31 | Yes | 605 |
| 16/1:30pm | 1.6 | 34 | 54 | 15 | 7.4 | 31 | Yes | 605 |
| 17/2:00pm | 1.7 | 34 | 58 | 15 | 7.4 | 32 | Yes | 605 |
| 18/2:30pm | 1.8 | 34 | 61 | 15 | 7.4 | 32 | Yes | 605 |
| 19/1:10pm | 1.7 | 34 | 58 | 18 | 7.4 | 27 | Yes | 605 |
| 20/2:00pm | 1.6 | 34 | 54 | 18 | 7.4 | 26 | Yes | 605 |
| 21/1:30pm | 1.6 | 34 | 54 | 18 | 7.4 | 26 | Yes | 605 |
| 22/12:20pm | 1.6 | 34 | 54 | 17 | 7.3 | 27 | Yes | 605 |
| 23/8:30am | 2.1 | 34 | 71 | 17 | 7.5 | 31 | Yes | 605 |
| 24/12:00pm | 2.2 | 34 | 75 | 17 | 7.5 | 31 | Yes | 605 |
| 25/10:00am | 2.3 | 34 | 78 | 17 | 7.5 | 31 | Yes | 605 |
| 26/4:50pm | 1.9 | 34 | 65 | 14 | 7.4 | 35 | Yes | 605 |
| 27/3:30pm | 1.8 | 34 | 61 | 18 | 7.4 | 27 | Yes | 605 |
| 28/1:30pm | 1.8 | 34 | 61 | 17 | 7.4 | 30 | Yes | 605 |
| 29/2:20pm | 1.9 | 34 | 65 | 17 | 7.4 | 30 | Yes | 605 |
| 30/9:00am | 1.9 | 34 | 65 | 17 | 7.4 | 30 | Yes | 605 |
| 31/10:00am | 1.9 | 34 | 65 | 16 | 7.4 | 30 | Yes | 605 |

³ If Cl₂ at entry point < 0.2 mg/l, OR CT not met, notify DWS within 24 hours