

OHA - Drinking Water Program - Turbidity Monitoring Report Form

Conventional or Direct Filtration

| | | |
|---|----------------------------------|-----------------------------|
| System Name: ALBANY, CITY OF ID#: OR4100012 WTP:-WTP-A (Vine Street) | County: Linn & Benton | Month/Year: 8 / 2021 |
|---|----------------------------------|-----------------------------|

| Day | Max IFE , 1st 4 hours, NTU | Time | Max IFE , 2nd 4 hours, NTU | Time | Max IFE , 3rd 4 hours, NTU | Time | Max IFE , 4th 4 hours, NTU | Time | Max IFE , 5th 4 hours, NTU | Time | Max IFE , 6th 4 hours, NTU | Time | Highest IFE reading of the day, NTU |
|-----|-------------------------------|----------|-------------------------------|----------|-------------------------------|---------|-------------------------------|---------|-------------------------------|---------|-------------------------------|------|---|
| 01 | 0.13 | 8:18 AM | 0.13 | 10:55 AM | 0.10 | 4:44 PM | 0.09 | 7:13 PM | Plant Offline | | Plant Offline | | 0.13 |
| 02 | 0.07 | 1:50 AM | 0.09 | 2:35 AM | 0.09 | 7:44 AM | 0.07 | 1:58 PM | 0.08 | 2:13 PM | Plant Offline | | 0.09 |
| 03 | 0.13 | 9:48 AM | 0.11 | 10:18 AM | 0.05 | 2:45 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.13 |
| 04 | 0.07 | 9:56 AM | 0.07 | 2:26 PM | 0.08 | 3:11 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.08 |
| 05 | 0.11 | 8:05 AM | 0.08 | 12:14 PM | 0.08 | 3:14 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.11 |
| 06 | 0.13 | 7:30 AM | 0.10 | 1:08 PM | 0.09 | 2:54 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.13 |
| 07 | 0.08 | 7:25 AM | 0.05 | 1:41 PM | 0.04 | 3:10 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.08 |
| 08 | 0.07 | 9:31 AM | 0.06 | 1:39 PM | 0.04 | 3:31 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.07 |
| 09 | 0.06 | 7:03 AM | 0.06 | 2:34 PM | 0.06 | 3:04 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.06 |
| 10 | 0.09 | 9:05 AM | 0.09 | 2:11 PM | 0.08 | 3:11 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 11 | 0.09 | 8:44 AM | 0.07 | 11:40 AM | 0.05 | 2:30 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 12 | 0.07 | 6:45 AM | 0.06 | 1:15 PM | 0.07 | 3:14 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.07 |
| 13 | 0.09 | 8:22 AM | 0.08 | 1:07 PM | 0.09 | 3:07 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 14 | 0.07 | 10:09 AM | 0.09 | 1:40 PM | 0.06 | 2:26 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 15 | 0.10 | 8:10 AM | 0.09 | 1:40 PM | 0.06 | 2:25 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.10 |
| 16 | 0.08 | 7:43 AM | 0.08 | 1:43 PM | 0.07 | 3:11 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.08 |
| 17 | 0.09 | 6:33 AM | 0.07 | 10:19 AM | 0.07 | 3:33 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 18 | 0.08 | 8:57 AM | 0.09 | 1:42 PM | 0.06 | 3:12 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 19 | 0.08 | 8:48 AM | 0.08 | 12:48 PM | 0.08 | 3:34 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.08 |
| 20 | 0.08 | 8:24 AM | 0.07 | 2:24 PM | 0.08 | 3:09 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.08 |
| 21 | 0.09 | 10:35 AM | 0.08 | 12:33 PM | Plant Offline | | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 22 | 0.09 | 6:31 AM | 0.05 | 10:23 AM | 0.05 | 2:23 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 23 | 0.06 | 9:02 AM | 0.07 | 2:02 PM | 0.07 | 3:17 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.07 |
| 24 | 0.07 | 10:27 AM | 0.08 | 11:42 AM | 0.05 | 2:57 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.08 |
| 25 | 0.09 | 8:34 AM | 0.07 | 11:08 AM | 0.05 | 3:04 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 26 | 0.07 | 7:57 AM | 0.05 | 2:27 PM | Plant Offline | | Plant Offline | | Plant Offline | | Plant Offline | | 0.07 |
| 27 | 0.06 | 10:02 AM | 0.06 | 10:32 AM | 0.06 | 2:47 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.06 |
| 28 | 0.06 | 6:56 AM | 0.06 | 11:41 AM | 0.05 | 2:41 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.06 |
| 29 | 0.07 | 10:43 AM | 0.09 | 1:28 PM | 0.05 | 2:58 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.09 |
| 30 | 0.07 | 10:28 AM | 0.08 | 12:58 PM | 0.06 | 3:08 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.08 |
| 31 | 0.07 | 6:36 AM | 0.08 | 1:36 PM | 0.07 | 3:09 PM | Plant Offline | | Plant Offline | | Plant Offline | | 0.08 |

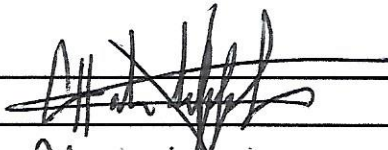
| | | | | | | | | | |
|--|---|--|---|------------------------------------|--|-------------------------------|--|------------------------------|--|
| <p>Conventional Filtration - Using LT2 Toolbox CFE/IFE Option for Additional 1.0-log Credit</p> <p>95% of the 15-minute increment IFE turbidity readings <= 0.15? No IFE turbidity exceeded 0.3 NTU in two consecutive measurements? 95% of maximum IFE readings <= 0.15? All turbidity readings < IFE triggers?(1)</p> <p>Notes:</p> | <p align="center">Monthly Summary (Answer Yes or No)</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; border: 1px solid black;"> CT's met everyday? Yes/No Yes/No Yes/No </td> <td style="width:50%; border: 1px solid black;"> All CL2 residuals at entry point >= 0.2 mg/l? Yes/No Yes/No </td> </tr> <tr> <td colspan="2" style="border: 1px solid black;"> PRINTED NAME: <i>Chuck Leffler</i> </td> </tr> <tr> <td colspan="2" style="border: 1px solid black;"> SIGNATURE: <i>[Signature]</i> </td> </tr> <tr> <td colspan="2" style="border: 1px solid black;"> PHONE #: <i>541-990-1907</i> </td> </tr> </table> | CT's met everyday? Yes/No Yes/No Yes/No | All CL2 residuals at entry point >= 0.2 mg/l? Yes/No Yes/No | PRINTED NAME: <i>Chuck Leffler</i> | | SIGNATURE: <i>[Signature]</i> | | PHONE #: <i>541-990-1907</i> | |
| CT's met everyday? Yes/No Yes/No Yes/No | All CL2 residuals at entry point >= 0.2 mg/l? Yes/No Yes/No | | | | | | | | |
| PRINTED NAME: <i>Chuck Leffler</i> | | | | | | | | | |
| SIGNATURE: <i>[Signature]</i> | | | | | | | | | |
| PHONE #: <i>541-990-1907</i> | | | | | | | | | |

(1) IFE = Individual Filter Effluent (OAR 333-061-0040(1)(d))

OHA - Drinking Water Program - Surface Water Quality Data Form

| | | |
|--|---------------------------|---------------------------------------|
| System Name: ALBANY, CITY OF ID #: OR4100012 WTP--WTP-A | Month/Year: 8/2021 | Required Log Inactivation: 0.5 |
|--|---------------------------|---------------------------------------|

| Date / Time | Minimum CL2 Residual @ 1st User (C) (1) | Contact Time (T) | Actual CT | Temp. | pH | Reqd. CT | CT Met? (1) | Peak Hourly Demand Flow (2) |
|-------------|---|------------------|--------------|-------|------|------------|-------------|-----------------------------|
| | [ppm or mg/L] | [minutes] | C x T | [°C] | | Use tables | Yes / No | [GPM] |
| 08/01/21 | 1.08 | 53 | 57 | 17.9 | 8.24 | 18 | YES | 5945 |
| 08/02/21 | 1.12 | 57 | 64 | 18.7 | 8.15 | 17 | YES | 6253 |
| 08/03/21 | 0.99 | 51 | 50 | 18.4 | 8.17 | 17 | YES | 4425 |
| 08/04/21 | 1.03 | 71 | 73 | 18.3 | 8.09 | 16 | YES | 6129 |
| 08/05/21 | 1.05 | 78 | 82 | 18.2 | 7.97 | 16 | YES | 4895 |
| 08/06/21 | 1.09 | 111 | 121 | 17.6 | 8.27 | 18 | YES | 3570 |
| 08/07/21 | 1.00 | 86 | 86 | 17.6 | 8.17 | 18 | YES | 5064 |
| 08/08/21 | 0.97 | 72 | 70 | 17.5 | 8.16 | 18 | YES | 6113 |
| 08/09/21 | 1.05 | 89 | 93 | 16.7 | 8.22 | 19 | YES | 4890 |
| 08/10/21 | 1.02 | 77 | 79 | 17.1 | 8.19 | 18 | YES | 4953 |
| 08/11/21 | 1.02 | 75 | 77 | 18.6 | 8.26 | 17 | YES | 5925 |
| 08/12/21 | 1.02 | 76 | 78 | 19.1 | 8.10 | 16 | YES | 4864 |
| 08/13/21 | 1.07 | 76 | 81 | 19.0 | 8.07 | 16 | YES | 4871 |
| 08/14/21 | 1.07 | 74 | 79 | 18.4 | 8.21 | 17 | YES | 4798 |
| 08/15/21 | 1.12 | 77 | 86 | 18.1 | 8.11 | 17 | YES | 4858 |
| 08/16/21 | 0.93 | 64 | 60 | 18.1 | 7.98 | 16 | YES | 5181 |
| 08/17/21 | 1.01 | 65 | 66 | 17.7 | 8.13 | 17 | YES | 4603 |
| 08/18/21 | 1.04 | 86 | 89 | 15.8 | 8.17 | 20 | YES | 4854 |
| 08/19/21 | 1.07 | 74 | 79 | 15.5 | 8.29 | 21 | YES | 5178 |
| 08/20/21 | 1.10 | 117 | 129 | 16.3 | 8.22 | 20 | YES | 3680 |
| 08/21/21 | 0.99 | 74 | 73 | 16.2 | 8.12 | 19 | YES | 4256 |
| 08/22/21 | 0.89 | 107 | 95 | 15.5 | 8.09 | 19 | YES | 3629 |
| 08/23/21 | 1.19 | 65 | 77 | 14.4 | 8.18 | 22 | YES | 5166 |
| 08/24/21 | 1.20 | 101 | 121 | 14.5 | 8.22 | 23 | YES | 3545 |
| 08/25/21 | 1.18 | 96 | 113 | 14.7 | 8.18 | 22 | YES | 4660 |
| 08/26/21 | 1.04 | 117 | 122 | 15.5 | 8.15 | 20 | YES | 3433 |
| 08/27/21 | 1.05 | 106 | 111 | 16.0 | 8.01 | 19 | YES | 3581 |
| 08/28/21 | 1.00 | 114 | 114 | 15.7 | 7.96 | 19 | YES | 3599 |
| 08/29/21 | 1.11 | 109 | 121 | 15.7 | 7.99 | 19 | YES | 3628 |
| 08/30/21 | 1.11 | 59 | 65 | 15.9 | 8.06 | 19 | YES | 4394 |
| 08/31/21 | 1.06 | 80 | 85 | 15.2 | 8.02 | 20 | YES | 5214 |

| | |
|---|---------------------------------|
| Signature:  | Date: <u>9-3-21</u> |
| Print Name: <u>Chuck Leffler</u> | Cert #: <u>T-7158 FE</u> |

(1) If Cl2 at entry point < 0.2 mg/l, OR CT not met, notify DWP by end of next business day.
 (2) Prior to 12/2014 Peak Instantaneous Demand Flow is used.



Vine St. IFE Turbidity Compliance

August 2021

Combined IFE Measurement Results

- 95% of the 15-minute increment IFE turbidity readings \leq 0.15 NTU?..... **Yes**
- No IFE turbidity exceeded 0.3 NTU in two consecutive measurements?..... **Yes**
- 95% of Maximum IFE readings \leq 0.15 NTU?..... **Yes**

Individual Filter Measurement Results

| Filter Number | Percent of Readings \leq 0.15 NTU | Two Consecutive Readings $>$ 0.3 NTU? |
|---------------|-------------------------------------|---------------------------------------|
| 1 | 100.0 | No |
| 2 | 100.0 | No |
| 3 | 100.0 | No |
| 4 | 100.0 | No |
| 5 | 100.0 | No |
| 6 | 100.0 | No |
| 7 | 100.0 | No |
| 8 | 100.0 | No |
| 9 | 100.0 | No |
| 10 | 100.0 | No |

IFE Measurements $>$ 0.15 NTU

| Time | Filter Number | Turbidity (NTU) | Four Hour Time Block | Second Consecutive Measurement $>$ 0.3 NTU? |
|------|---------------|-----------------|----------------------|---|
|------|---------------|-----------------|----------------------|---|