

**Oregon DHS - Drinking Water Services – Turbidity Monitoring Report Form****System Name:** London Water Co-Op**ID#** 41 00239**Month/Year:** Oct / 2023

| DAY | 12:00 AM<br>(NTU) | 4:00 AM<br>(NTU) | 8:00 AM<br>(NTU) | NOON<br>(NTU) | 4:00 PM<br>(NTU) | 8:00 PM<br>(NTU) | Highest Reading of the<br>Day <sup>1</sup><br>(NTU) | Peak Hourly<br>Demand<br>Flow (GPM) |
|-----|-------------------|------------------|------------------|---------------|------------------|------------------|-----------------------------------------------------|-------------------------------------|
| 1   | off               |                  |                  |               |                  |                  |                                                     | 6                                   |
| 2   | off               |                  |                  |               |                  |                  |                                                     | 0                                   |
| 3   | off               |                  |                  |               |                  |                  |                                                     | 5                                   |
| 4   |                   |                  |                  |               | 0.054            | 0.056            | 0.15                                                | 6                                   |
| 5   | 0.101             | 0.209            | 0.231            |               |                  |                  | 0.231                                               | 4                                   |
| 6   | off               |                  |                  |               |                  |                  |                                                     | 6                                   |
| 7   | off               |                  |                  |               |                  |                  |                                                     | 5                                   |
| 8   | off               |                  |                  |               |                  |                  |                                                     | 5                                   |
| 9   | off               |                  |                  |               |                  |                  |                                                     | 6                                   |
| 10  |                   |                  |                  |               | 0.213            | 1.23             | 1.23                                                | 6                                   |
| 11  | 1.55              | 2.02             | 3.35             |               |                  |                  | 3.35                                                | 4                                   |
| 12  | off               |                  |                  |               |                  |                  |                                                     | 3.5                                 |
| 13  | off               |                  |                  |               |                  |                  |                                                     | 5                                   |
| 14  | off               |                  |                  |               |                  |                  |                                                     | 6                                   |
| 15  |                   |                  |                  |               | 0.053            | 0.054            | 0.13                                                | 6                                   |
| 16  | 0.098             | 0.208            | 0.231            |               |                  |                  | 0.231                                               | 4                                   |
| 17  | off               |                  |                  |               |                  |                  |                                                     | 6                                   |
| 18  | off               |                  |                  |               |                  |                  |                                                     | 5                                   |
| 19  | off               |                  |                  |               |                  |                  |                                                     | 7                                   |
| 20  |                   |                  | 0.053            | 0.047         | 0.055            | 0.118            | 0.23                                                | 5                                   |
| 21  | 0.168             | 0.231            |                  |               |                  |                  | 0.231                                               | 6.5                                 |
| 22  | off               |                  |                  |               |                  |                  |                                                     | 5.5                                 |
| 23  | off               |                  |                  |               |                  |                  |                                                     | 4.5                                 |
| 24  |                   |                  |                  |               | 0.094            | 0.189            | 0.245                                               | 4.5                                 |
| 25  | off               |                  |                  |               |                  |                  |                                                     | 5                                   |
| 26  |                   |                  | 3.396            | 3.04          |                  |                  | 3.649                                               | 4.5                                 |
| 27  |                   |                  |                  | 0.211         | 0.106            | 0.188            | 2.914                                               | 6                                   |
| 28  | 0.295             | 0.425            | 0.505            |               |                  |                  | 0.505                                               | 6                                   |
| 29  | off               |                  |                  |               |                  |                  |                                                     | 5                                   |
| 30  | off               |                  |                  |               |                  |                  |                                                     | 3.5                                 |
| 31  |                   |                  |                  |               | 0.191            | 0.034            | 0.191                                               | 5                                   |

|                                                                                                      |                 |                                                                 |                         |
|------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------|-------------------------|
| <b>Conventional or Direct Filtration Monthly Summary</b>                                             |                 | <b>Monthly UV Summary (Circle Yes or No)</b>                    |                         |
| 95% of the 4-hour turbidity readings $\leq$ 0.3 NTU?                                                 | Yes / <u>No</u> | Is any off-spec water produced in the month?<br><u>Yes</u> / No |                         |
| All the 4-hour turbidity readings < 1 NTU?                                                           | Yes / <u>No</u> |                                                                 |                         |
| All turbidity readings < IFE triggers? <sup>2</sup>                                                  | Yes / <u>No</u> |                                                                 |                         |
| <b>- OR -</b>                                                                                        |                 | <b>PRINTED NAME:</b> Eric Vortriede                             |                         |
| <b>Slow Sand/Cartridge/Membrane/DE Filtration</b>                                                    |                 | <b>SIGNATURE:</b> <u>[Signature]</u>                            | <b>DATE:</b> 11/08/2023 |
| 95% of turbidity readings $\leq$ 1 NTU?                                                              | Yes / No        | <b>PHONE #:</b> (541) 450-9536                                  | <b>CERT #:</b> <u>0</u> |
| All turbidity readings < 5 NTU?                                                                      | Yes / No        | <b>CT<sub>Viral</sub>:</b> Required =<br>Achieved =             |                         |
| Is there 4-log virus inactivation provided with X Chlorine; <input type="checkbox"/> Other <u>UV</u> |                 | <u>Yes</u> No                                                   |                         |

<sup>1</sup> Including continuous NTU data, if applicable, for optimization recording purposes<sup>2</sup> IFE = Individual Filter Effluent



**Oregon DHS - Drinking Water Services – Surface Water Quality Data**System Name: London Water Co-OpID# 41 00239Month/Year: Oct / 2023

Minimum UVT [%] during month: \_\_\_\_\_

Duty sensor variation from reference sensor %: \_\_\_\_\_

0

Minimum Validated UVT : {Insert Req'd Value}

| Date                                         | Peak Hourly Demand Flow | Minimum Intensity                  | All Lamps On? | Daily Water Produced {A} | Water outside Validated Conditions {B} | Cumulative % Off-Spec Water Produced    |
|----------------------------------------------|-------------------------|------------------------------------|---------------|--------------------------|----------------------------------------|-----------------------------------------|
|                                              | [gpm/unit]              | [ <sup>mW</sup> /cm <sup>2</sup> ] | [ Y or N ]    | [gal]                    | [gal]                                  | (Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%] |
| 1                                            |                         |                                    |               |                          |                                        |                                         |
| 2                                            |                         |                                    |               |                          |                                        |                                         |
| 3                                            |                         |                                    |               |                          |                                        |                                         |
| 4                                            | 13                      | 212                                |               | 6570                     | 0                                      |                                         |
| 5                                            | 15                      | 213                                |               | 6667                     | 0                                      |                                         |
| 6                                            |                         |                                    |               |                          |                                        |                                         |
| 7                                            |                         |                                    |               |                          |                                        |                                         |
| 8                                            |                         |                                    |               |                          |                                        |                                         |
| 9                                            |                         |                                    |               |                          |                                        |                                         |
| 10                                           | 14                      | 217                                |               | 6330                     | 0                                      |                                         |
| 11                                           | 14.3                    | 216                                |               | 5998                     | 0                                      |                                         |
| 12                                           |                         |                                    |               |                          |                                        |                                         |
| 13                                           |                         |                                    |               |                          |                                        |                                         |
| 14                                           |                         |                                    |               |                          |                                        |                                         |
| 15                                           | 13.1                    | 211                                | Y             | 6303                     | 0                                      |                                         |
| 16                                           | 14                      | 213                                | Y             | 6750                     | 0                                      |                                         |
| 17                                           |                         |                                    |               |                          |                                        |                                         |
| 18                                           |                         |                                    |               |                          |                                        |                                         |
| 19                                           |                         |                                    |               |                          |                                        |                                         |
| 20                                           | 13.1                    | 216                                | Y             | 6340                     | 0                                      |                                         |
| 21                                           | 14.1                    | 210                                | Y             | 5933                     | 0                                      |                                         |
| 22                                           |                         |                                    |               |                          |                                        |                                         |
| 23                                           |                         |                                    |               |                          |                                        |                                         |
| 24                                           | 1.78                    | 216                                | Y             | 2255                     | 0                                      |                                         |
| 25                                           |                         |                                    |               |                          |                                        |                                         |
| 26                                           | 4.81                    | 211                                | Y             | 4042                     | 0                                      |                                         |
| 27                                           | 13.5                    | 216                                | Y             | 8962                     | 0                                      |                                         |
| 28                                           | 10.9                    | 216                                | Y             | 6596                     | 0                                      |                                         |
| 29                                           |                         |                                    |               |                          |                                        |                                         |
| 30                                           |                         |                                    |               |                          |                                        |                                         |
| 31                                           | 15                      | 213                                | Y             | 5486                     | 0                                      |                                         |
| Monthly Cumulative % Off-Spec Water Produced |                         |                                    |               |                          |                                        |                                         |

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Signature: \_\_\_\_\_

Op Cert #: \_\_\_\_\_

Date: \_\_\_\_\_

11/08/2023