

OHA - Drinking Water Services - Surface Water Quality Data Form
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems

County: **Baker**
 Month/Year: **Apr-21**

| System Name: | Baker City | | ID#: 41 00073 | | | | WTP : TP - A | |
|--------------|-------------|------------|---------------|------------|------------|------------|---|--|
| 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 | 0.45 | 0.38 | 0.38 | 0.45 | 0.42 | 0.42 | 0.58 | |
| 2 | 0.52 | 0.52 | 0.55 | 0.55 | 0.52 | 0.48 | 1.26 | |
| 3 | 0.72 | 0.72 | 0.68 | 0.79 | 0.99 | 0.99 | 1.15 | |
| 4 | 0.99 | 0.85 | 0.95 | 0.95 | 0.92 | 0.82 | 1.22 | |
| 5 | 0.82 | 0.85 | 0.92 | 0.92 | 0.62 | 0.55 | 1.02 | |
| 6 | 0.52 | 0.48 | 0.52 | 0.58 | 0.48 | 0.48 | 0.58 | |
| 7 | 0.45 | 0.48 | 0.55 | 0.55 | 0.62 | 0.58 | 0.75 | |
| 8 | 0.65 | 0.65 | 0.45 | 0.42 | 0.38 | 0.38 | 1.02 | |
| 9 | 0.42 | 0.38 | 0.38 | 0.35 | 0.31 | 0.35 | 0.52 | |
| 10 | 0.38 | 0.31 | 0.35 | 0.35 | 0.35 | 0.31 | 0.42 | |
| 11 | 0.38 | 0.35 | 0.35 | 0.45 | 0.35 | 0.38 | 0.45 | |
| 12 | 0.42 | 0.45 | 0.38 | 0.35 | 0.38 | 0.38 | 0.45 | |
| 13 | 0.38 | 0.38 | 0.42 | 0.42 | 0.38 | 0.35 | 0.48 | |
| 14 | 0.38 | 0.42 | 0.42 | 0.35 | 0.42 | 0.31 | 0.45 | |
| 15 | 0.35 | 0.35 | 0.31 | 0.62 | 0.45 | 0.58 | 0.72 | |
| 16 | 0.79 | 0.65 | 0.28 | 0.31 | 0.28 | 0.28 | 1.06 | |
| 17 | 0.35 | 0.38 | 0.38 | 0.38 | 0.35 | 0.31 | 0.45 | |
| 18 | 0.45 | 0.38 | 0.45 | 0.31 | 0.38 | 0.38 | 0.58 | |
| 19 | 0.52 | 0.42 | 0.45 | 0.42 | 0.48 | 0.48 | 0.58 | |
| 20 | 0.52 | 0.48 | 0.45 | 0.45 | 0.42 | 0.42 | 0.52 | |
| 21 | 0.42 | 0.35 | 0.38 | 0.31 | 0.35 | 0.25 | 0.85 | |
| 22 | 0.28 | 0.35 | 0.25 | 0.28 | 0.35 | 0.35 | 0.42 | |
| 23 | 0.38 | 0.35 | 0.25 | 0.28 | 0.31 | 0.31 | 0.42 | |
| 24 | 0.31 | 0.42 | 0.35 | 0.38 | 0.35 | 0.38 | 0.45 | |
| 25 | 0.38 | 0.42 | 0.38 | 0.31 | 0.38 | 0.35 | 0.45 | |
| 26 | 0.35 | 0.35 | 0.31 | 0.28 | 0.35 | 0.35 | 0.52 | |
| 27 | 0.45 | 0.48 | 0.58 | 0.45 | 0.48 | 0.48 | 0.99 | |
| 28 | 0.45 | 0.48 | 0.48 | 0.42 | 0.48 | 0.45 | 0.65 | |
| 29 | 0.48 | 0.48 | 0.55 | 0.42 | 0.48 | 0.45 | 0.58 | |
| 30 | 0.55 | 0.48 | 0.45 | 0.58 | 0.52 | 0.45 | 0.58 | |
| 31 | | | | | | | | |

| | | | |
|--|---|---|---|
| Unfiltered | | Monthly Summary (Answer Yes or No) | |
| 95% of daily turbidity readings \leq 1 NTU? ² | N/A | CT's met everyday? (see Page 2) | All Cl ₂ residual at entry point \geq 0.2 mg/l? |
| All daily turbidity readings \leq 5 NTU? | <input checked="" type="radio"/> Yes / <input type="radio"/> No | <input checked="" type="radio"/> Yes / <input type="radio"/> No | <input checked="" type="radio"/> Yes / <input type="radio"/> No |
| Notes: | PRINTED NAME: Dennis Bachman | | |
| | SIGNATURE: <i>Dennis Bachman</i> | | DATE: 5-7-21 |
| | PHONE #: (541) 523-7349 | | CERT #: T-08465 |

¹ Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. ² Filtered systems only.

OHA - Drinking Water Services - Surface Water Quality Data Form

WTP- A

System Name: Baker City

ID#: 41 00073

Month/Year: Apr-21

Disinfection *Giardia* Log Inactivation:

3.0

| Date / Time | Min Cl ₂ Residual at 1st User (C) ³ | Contact Time Achieved (T) | Actual CT | Temp | pH | Required CT | CT Met? ³ | Peak Hourly Demand Flow |
|-------------|---|---------------------------|-----------|-------|-----|-------------|----------------------|-------------------------|
| | [mg/L] | [minutes] | C X T | [° C] | | formula | Yes / No | [GPM] |
| 1 | 0.92 | 1888.9 | 1737.8 | 3.4 | 7.4 | 205.7 | YES | 1812 |
| 2 | 0.92 | 1790.9 | 1647.6 | 3.7 | 7.4 | 201.5 | YES | 1833 |
| 3 | 0.96 | 1737.1 | 1667.6 | 3.9 | 7.4 | 199.7 | YES | 1836 |
| 4 | 0.58 | 1714.2 | 994.2 | 4.0 | 7.4 | 189.8 | YES | 1797 |
| 5 | 0.75 | 1425.5 | 1069.1 | 4.0 | 7.4 | 193.6 | YES | 2161 |
| 6 | 0.99 | 1557.3 | 1541.7 | 3.7 | 7.4 | 203.2 | YES | 2118 |
| 7 | 1.08 | 1598.8 | 1726.7 | 3.9 | 7.3 | 195.3 | YES | 2170 |
| 8 | 1.08 | 1135.4 | 1226.2 | 4.0 | 7.3 | 194.0 | YES | 2809 |
| 9 | 1.05 | 1364.8 | 1433.1 | 3.8 | 7.3 | 196.0 | YES | 2200 |
| 10 | 1.12 | 1433.2 | 1605.1 | 3.9 | 7.3 | 196.2 | YES | 2106 |
| 11 | 1.20 | 1483.8 | 1780.5 | 3.6 | 7.4 | 209.7 | YES | 2139 |
| 12 | 1.25 | 1523.3 | 1904.1 | 3.5 | 7.4 | 212.4 | YES | 2155 |
| 13 | 1.22 | 1478.6 | 1803.9 | 3.8 | 7.4 | 207.3 | YES | 2157 |
| 14 | 1.16 | 1465.6 | 1700.2 | 3.6 | 7.4 | 208.7 | YES | 2123 |
| 15 | 1.20 | 1235.3 | 1482.4 | 3.8 | 7.3 | 199.4 | YES | 2670 |
| 16 | 1.25 | 1195.1 | 1493.8 | 4.0 | 7.3 | 197.9 | YES | 2838 |
| 17 | 1.16 | 1010.5 | 1172.2 | 4.2 | 7.3 | 193.2 | YES | 3187 |
| 18 | 1.10 | 868.5 | 955.4 | 4.5 | 7.3 | 187.9 | YES | 3493 |
| 19 | 1.05 | 1562.7 | 1640.8 | 4.9 | 7.3 | 181.8 | YES | 2031 |
| 20 | 0.98 | 1205.5 | 1181.4 | 4.7 | 7.3 | 182.8 | YES | 3149 |
| 21 | 0.85 | 1607.6 | 1366.4 | 4.8 | 7.3 | 178.9 | YES | 2313 |
| 22 | 0.98 | 1529.4 | 1498.8 | 4.9 | 7.3 | 180.4 | YES | 2238 |
| 23 | 1.04 | 1478.3 | 1537.4 | 4.9 | 7.2 | 175.2 | YES | 2168 |
| 24 | 1.02 | 1734.3 | 1768.9 | 5.3 | 7.2 | 170.1 | YES | 1848 |
| 25 | 1.01 | 1858.7 | 1877.3 | 5.1 | 7.3 | 178.5 | YES | 1808 |
| 26 | 0.95 | 2039.0 | 1937.0 | 5.0 | 7.3 | 178.5 | YES | 1816 |
| 27 | 0.90 | 798.5 | 718.6 | 4.8 | 7.2 | 173.5 | YES | 4228 |
| 28 | 1.02 | 1634.6 | 1667.3 | 5.1 | 7.2 | 172.4 | YES | 2113 |
| 29 | 1.08 | 1599.5 | 1727.4 | 5.5 | 7.3 | 175.2 | YES | 2208 |
| 30 | 1.15 | 1244.6 | 1431.3 | 5.8 | 7.2 | 166.9 | YES | 2725 |
| 31 | | | | | | | | |

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

Revised July 2016

Oregon OHA - Drinking Water Services - Surface Water Quality Data

System Name: Baker City, PWS ID#: 4100073

Month/Year: Apr-21

Minimum UVT [%] during month: 85 Duty sensor variation from reference sensor: 1.00 %

Minimum Validated UVT: 48%

| Date | Peak Hourly Demand Flow | Minimum Intensity | All Lamps On? | Daily Water Produced {A} | Water Outside Validated Conditions {B} | Cumulative Daily % Off-Spec Water Produced |
|---|-------------------------|------------------------------------|---------------|--------------------------|--|---|
| | [gpm/unit] | [^{mW} /cm ²] | [Y or N] | [mgd] | [mgd] | (Daily Sum {B}) ÷ (Daily Sum {A}) * 100 [%] |
| 1 | 1812 | 139 | y | 2.244 | | - |
| 2 | 1833 | 145 | y | 2.256 | | - |
| 3 | 1836 | 135 | y | 2.308 | | - |
| 4 | 1797 | 118 | y | 2.339 | | - |
| 5 | 2161 | 63 | y | 2.153 | 0.002 | 0.09 |
| 6 | 2118 | 83 | y | 2.331 | | - |
| 7 | 2170 | 93 | y | 2.54 | | - |
| 8 | 2809 | 81 | y | 2.965 | | - |
| 9 | 2200 | 105 | y | 2.783 | | - |
| 10 | 2106 | 112 | y | 2.421 | | - |
| 11 | 2139 | 117 | y | 2.437 | | - |
| 12 | 2155 | 119 | y | 2.58 | | - |
| 13 | 2157 | 121 | y | 2.7 | | - |
| 14 | 2123 | 68 | y | 2.749 | | - |
| 15 | 2670 | 105 | y | 2.869 | | - |
| 16 | 2838 | 106 | y | 3.346 | | - |
| 17 | 3187 | 57 | y | 3.429 | | - |
| 18 | 3493 | 51 | y | 3.304 | | - |
| 19 | 2031 | 110 | y | 2.111 | | - |
| 20 | 3149 | 77 | y | 2.845 | | - |
| 21 | 2313 | 100 | y | 2.541 | | - |
| 22 | 2238 | 111 | y | 2.683 | | - |
| 23 | 2168 | 113 | y | 2.645 | | - |
| 24 | 1848 | 132 | y | 2.31 | | - |
| 25 | 1808 | 134 | y | 1.87 | | - |
| 26 | 1816 | 164 | y | 1.839 | 0.001 | 0.05 |
| 27 | 4228 | 120 | y | 1.941 | | - |
| 28 | 2113 | 106 | y | 2.19 | 0.001 | 0.05 |
| 29 | 2208 | 107 | y | 2.458 | 0.003 | 0.12 |
| 30 | 2725 | 80 | y | 2.999 | 0.003 | 0.10 |
| 31 | | | | | | #DIV/0! |
| Monthly Total Column {A} and Column {B} | | | | 76.186 | 0.01 | |
| Monthly Cumulative % Off-Spec Water Produced (Mo. Sum {B})÷(Mo. Sum {A})*100[%] | | | | | | 0.0131 |

Signature: *Nennis Bachman*

Op Cert #: T-08465

Date: 5-7-21

Raw Water E. Coli Data

System Name: Baker City

ID#: 4100073

Month/Year: Apr-21

| Date/Time | Total E. Coli | Fecal Coliform | Comments |
|-----------|---------------|----------------|----------|
| 1/ | | | |
| 2/ | | | |
| 3/ | | | |
| 4/ | | | |
| 5/ 09:30 | | 7.8 | |
| 6/ 09:10 | | 11 | |
| 7/ 09:20 | | 6.8 | |
| 8/ | | | |
| 9/ | | | |
| 10/ | | | |
| 11/ | | | |
| 12/ 09:40 | | 4.5 | |
| 13/ | | | |
| 14/ 09:05 | | 4.5 | |
| 15/ 09:00 | | ND | |
| 16/ | | | |
| 17/ | | | |
| 18/ | | | |
| 19/ 09:30 | | ND | |
| 20/ 09:05 | | ND | |
| 21/ 09:05 | | ND | |
| 22/ | | | |
| 23/ | | | |
| 24/ | | | |
| 25/ | | | |
| 26/ 09:30 | | ND | |
| 27/ 09:05 | | 2 | |
| 28/ 09:30 | | ND | |
| 29/ | | | |
| 30/ | | | |
| 31/ | | | |