



## MONTHLY REPORT OF OPERATION WATER TREATMENT PLANT

|                                   |  |                              |                    |
|-----------------------------------|--|------------------------------|--------------------|
| <b>Report for</b>                 | Peru Utilities, Grissom Division   | <b>for the Month of</b>      | June 2024          |
| <b>Public Water Supply ID No.</b> | 5252011  | <b>IDEM Field Rep.</b>       | Darek Petro        |
| <b>Signed</b>                     | <br>Stephen Legg    | <b>Title</b>                 | Certified Operator |
| <b>Signed</b>                     | <br>Jamin Beisiegel | <b>Certification Numbers</b> | WT021275           |
|                                   |  | <b>Title</b>                 | Superintendent     |
|                                   |  | <b>Certification Numbers</b> | DS170120           |

I certify under penalty of law, by this signature that this document was prepared by me, or under my direction and the information submitted is to the best of my knowledge and belief, true, accurate, and complete.

I am also aware that there are significant penalties for submitting false information.

### PHYSICAL AND CHEMICAL DATA \*

| Date        | Turbidity |          | Alkalinity |          | pH   |          | Hardness |          | Iron |          | Manganese |          | Phos.    | Fluoride |
|-------------|-----------|----------|------------|----------|------|----------|----------|----------|------|----------|-----------|----------|----------|----------|
|             | Raw       | Finished | Raw        | Finished | Raw  | Finished | Raw      | Finished | Raw  | Finished | Raw       | Finished | Finished | Finished |
| 1           |           |          |            |          | 7.29 | 7.63     |          |          | 0.41 | 0.02     | 0.064     | 0.041    |          |          |
| 2           |           |          |            |          | 7.29 | 7.54     |          |          | 0.43 | 0.04     | 0.053     | 0.038    |          |          |
| 3           |           |          |            |          | 7.26 | 7.46     |          |          | 0.43 | 0.01     | 0.042     | 0.041    |          |          |
| 4           |           |          |            |          | 7.22 | 7.33     |          |          | 0.53 | 0.01     | 0.054     | 0.036    |          |          |
| 5           |           |          |            |          | 7.13 | 7.56     |          |          | 0.45 | 0.02     | 0.083     | 0.028    |          |          |
| 6           |           |          |            |          | 7.2  | 7.57     |          |          | 0.49 | 0.02     | 0.055     | 0.04     |          |          |
| 7           |           |          |            |          | 7.24 | 7.63     |          |          | 0.48 | 0.02     | 0.076     | 0.059    |          |          |
| 8           |           |          |            |          | 7.31 | 7.65     |          |          | 0.45 | 0.01     | 0.064     | 0.045    |          |          |
| 9           |           |          |            |          | 7.21 | 7.61     |          |          | 0.41 | 0.02     | 0.041     | 0.027    |          |          |
| 10          |           |          |            |          | 7.29 | 7.59     |          |          | 0.44 | 0.02     | 0.052     | 0.033    |          |          |
| 11          |           |          |            |          | 7.3  | 7.59     |          |          | 0.4  | 0.01     | 0.065     | 0.031    |          |          |
| 12          |           |          |            |          | 7.34 | 7.71     |          |          | 0.48 | 0.02     | 0.041     | 0.052    |          |          |
| 13          |           |          |            |          | 7.35 | 7.81     |          |          | 0.47 | 0.01     | 0.043     | 0.028    |          |          |
| 14          |           |          |            |          | 7.38 | 7.59     |          |          | 0.46 | 0.02     | 0.115     | 0.05     |          |          |
| 15          |           |          |            |          | 7.34 | 7.61     |          |          | 0.45 | 0.02     | 0.068     | 0.046    |          |          |
| 16          |           |          |            |          | 7.34 | 7.63     |          |          | 0.45 | 0        | 0.051     | 0.028    |          |          |
| 17          |           |          |            |          | 7.28 | 7.43     |          |          | 0.42 | 0.03     | 0.043     | 0.044    |          |          |
| 18          |           |          |            |          | 7.33 | 7.52     |          |          | 0.41 | 0        | 0.056     | 0.034    |          |          |
| 19          |           |          |            |          | 7.05 | 7.59     |          |          | 0.47 | 0.01     | 0.057     | 0.03     |          |          |
| 20          |           |          |            |          | 7.17 | 7.6      |          |          | 0.46 | 0.03     | 0.082     | 0.071    |          |          |
| 21          |           |          |            |          | 7.21 | 7.59     |          |          | 0.49 | 0.01     | 0.064     | 0.052    |          |          |
| 22          |           |          |            |          | 7.22 | 7.59     |          |          | 0.44 | 0.02     | 0.119     | 0.065    |          |          |
| 23          |           |          |            |          | 7.09 | 7.48     |          |          | 0.37 | 0.01     | 0.049     | 0.041    |          |          |
| 24          |           |          |            |          | 6.98 | 7.57     |          |          | 0.42 | 0.03     | 0.059     | 0.036    |          |          |
| 25          |           |          |            |          | 6.98 | 7.55     |          |          | 0.44 | 0.01     | 0.028     | 0.012    |          |          |
| 26          |           |          |            |          | 6.9  | 7.36     |          |          | 0.42 | 0.03     | 0.08      | 0.069    |          |          |
| 27          |           |          |            |          | 7.04 | 7.65     |          |          | 0.43 | 0.02     | 0.079     | 0.044    |          |          |
| 28          |           |          |            |          | 7.07 | 7.65     |          |          | 0.42 | 0.01     | 0.07      | 0.045    |          |          |
| 29          |           |          |            |          | 7.15 | 7.63     |          |          | 0.42 | 0.03     | 0.077     | 0.034    |          |          |
| 30          |           |          |            |          | 7.04 | 7.49     |          |          | 0.41 | 0        | 0.046     | 0.028    |          |          |
| <b>Ave.</b> |           |          |            |          | 7.19 | 7.57     |          |          | 0.44 | 0.02     | 0.06      | 0.04     |          |          |

\* All parameters are expressed in mg/l, except pH and turbidity.

| Date         | Water Treated<br>1000 gal. | Chemicals Used - Pounds |      |      |             |                   |              |          |                | Filters           |                       | Chlorine Residual |             |             |             | Remarks                 |
|--------------|----------------------------|-------------------------|------|------|-------------|-------------------|--------------|----------|----------------|-------------------|-----------------------|-------------------|-------------|-------------|-------------|-------------------------|
|              |                            | Salt                    | Alum | Lime | Soda<br>Ash | Carbon<br>Dioxide | Chlorine     | Fluoride | Phos-<br>phate | Filter<br>Run Hrs | Gal. Per<br>wash*1000 | Plant Tap         |             | Dist. Syst. |             |                         |
|              |                            |                         |      |      |             |                   |              |          |                |                   |                       | Free              | Total       | Free        | Total       |                         |
| 1            | 430.1                      |                         |      |      |             |                   | 18           |          |                | 8.5               |                       | 1.18              | 1.23        | 0.81        | 0.86        |                         |
| 2            | 465                        |                         |      |      |             |                   | 20           |          |                | 8.5               |                       | 1.16              | 1.26        | 0.8         | 0.84        |                         |
| 3            | 487.8                      |                         |      |      |             |                   | 22           |          |                | 9                 | 21.6                  | 1.24              | 1.34        | 0.62        | 0.67        |                         |
| 4            | 491.2                      |                         |      |      |             |                   | 21           |          |                | 8.5               |                       | 1.23              | 1.27        | 0.81        | 0.87        |                         |
| 5            | 457.6                      |                         |      |      |             |                   | 18           |          |                | 7.5               |                       | 1.17              | 1.27        | 0.83        | 0.87        |                         |
| 6            | 461.2                      |                         |      |      |             |                   | 21           |          |                | 8.5               |                       | 1.17              | 1.27        | 0.82        | 0.88        |                         |
| 7            | 533.1                      |                         |      |      |             |                   | 24           |          |                | 9.5               | 22.3                  | 1.17              | 1.26        | 0.83        | 0.85        |                         |
| 8            | 464.9                      |                         |      |      |             |                   | 20           |          |                | 8.5               |                       | 1.2               | 1.28        | 0.75        | 0.86        |                         |
| 9            | 472.5                      |                         |      |      |             |                   | 22           |          |                | 8.5               |                       | 1.32              | 1.4         | 0.77        | 0.82        |                         |
| 10           | 511                        |                         |      |      |             |                   | 22           |          |                | 9.5               | 22.3                  | 1.27              | 1.31        | 0.83        | 0.87        |                         |
| 11           | 443.8                      |                         |      |      |             |                   | 20           |          |                | 7.5               |                       | 1.37              | 1.41        | 0.73        | 0.79        |                         |
| 12           | 519.6                      |                         |      |      |             |                   | 19           |          |                | 9.5               |                       | 1.23              | 1.32        | 0.83        | 0.91        |                         |
| 13           | 494.1                      |                         |      |      |             |                   | 21           |          |                | 8.5               |                       | 1.19              | 1.29        | 0.84        | 0.9         |                         |
| 14           | 500.2                      |                         |      |      |             |                   | 21           |          |                | 9.5               | 22.9                  | 1.19              | 1.27        | 0.82        | 0.86        |                         |
| 15           | 452.8                      |                         |      |      |             |                   | 19           |          |                | 8.5               |                       | 1.19              | 1.23        | 0.8         | 0.84        |                         |
| 16           | 474.8                      |                         |      |      |             |                   | 21           |          |                | 8.5               |                       | 1.29              | 1.33        | 0.78        | 0.83        |                         |
| 17           | 507.9                      |                         |      |      |             |                   | 22           |          |                | 8.5               | 24.4                  | 1.3               | 1.35        | 0.81        | 0.85        |                         |
| 18           | 475.7                      |                         |      |      |             |                   | 22           |          |                | 8.5               |                       | 1.3               | 1.38        | 0.77        | 0.93        |                         |
| 19           | 482.3                      |                         |      |      |             |                   | 20           |          |                | 8.5               |                       | 1.24              | 1.35        | 0.74        | 0.88        |                         |
| 20           | 490.5                      |                         |      |      |             |                   | 22           |          |                | 9.5               |                       | 1.21              | 1.33        | 0.76        | 0.82        |                         |
| 21           | 522.5                      |                         |      |      |             |                   | 23           |          |                | 9.5               | 23.3                  | 1.18              | 1.31        | 0.77        | 0.85        | Monthly Water Treatment |
| 22           | 471.3                      |                         |      |      |             |                   | 19           |          |                | 8.5               |                       | 1.21              | 1.33        | 0.7         | 0.77        | Total Gallons*1000      |
| 23           | 432.7                      |                         |      |      |             |                   | 19           |          |                | 8.5               |                       | 1.25              | 1.43        | 0.71        | 0.8         | 14504.7                 |
| 24           | 500.9                      |                         |      |      |             |                   | 25           |          |                | 9                 | 26.9                  | 1.3               | 1.36        | 0.6         | 0.66        | Max. Day                |
| 25           | 520.4                      |                         |      |      |             |                   | 22           |          |                | 9.5               |                       | 1.35              | 1.4         | 0.82        | 0.89        | 430.1                   |
| 26           | 479.2                      |                         |      |      |             |                   | 20           |          |                | 8.5               |                       | 1.15              | 1.34        | 0.75        | 0.85        | Avg. Daily              |
| 27           | 505.3                      |                         |      |      |             |                   | 22           |          |                | 8.5               |                       | 1.21              | 1.28        | 0.74        | 0.8         | 483                     |
| 28           | 465.5                      |                         |      |      |             |                   | 21           |          |                | 9.5               | 23.8                  | 1.19              | 1.34        | 0.65        | 0.8         |                         |
| 29           | 496.3                      |                         |      |      |             |                   | 21           |          |                | 8.5               |                       | 1.18              | 1.33        | 0.68        | 0.79        |                         |
| 30           | 494.5                      |                         |      |      |             |                   | 22           |          |                | 8.5               |                       | 1.27              | 1.33        | 0.68        | 0.75        |                         |
|              |                            |                         |      |      |             |                   |              |          |                |                   |                       |                   |             |             |             |                         |
| <b>Ave.</b>  | <b>483.49</b>              |                         |      |      |             |                   | <b>20.97</b> |          |                | <b>8.73</b>       | <b>23.44</b>          | <b>1.23</b>       | <b>1.32</b> | <b>0.76</b> | <b>0.83</b> |                         |
| <b>Total</b> | <b>14504.7</b>             |                         |      |      |             |                   | <b>629</b>   |          |                | <b>262</b>        | <b>187.5</b>          |                   |             |             |             |                         |