

To: Village Board

From: Neal A. Winkler, Water Plant Operator.

RE: monthly report

*Submitted for March 15<sup>th</sup> 2021*

---

**Water Plant**

- 1) Cleaning filters as needed.
- 2) Snow removal as needed.
- 3) First quarter Haloacetic acid (Haa5) and Trihalomethanes (THMs) samples were collected on February 10<sup>th</sup>. Lab results for Haa5 acids was 1.1 and THMs was 12.4, both way below limits.
- 4) AWQR was submitted to DOH for approval, awaiting a response.
- 5) Two water leaks to address one at 83 N. Main St. believed to be service line for Alfie's Dinner, and one on Helmer Ave.
- 6) New filter bed meters are on order and paper work has been filed with insurance company for possible coverage.
- 7) Working with Amy to get her acquainted with the operations of the water plant incase it's needed.
- 8) Any questions or concerns feel free to call or text.

---

**Attachments**

- 1) February, water plant flow report.

Respectfully, Neal A. Winkler, Water Plant Operator.

| Date      | Filter Flow (gpd) | Effluent Flow (gpd) | Precip. (in.) | Filter Bed    |               | Raw Water Turbidity NTU | Clearwell (in. below full) | Village           |               | Village Turbidity NTU | Entry Point CL2 Residual mg/l | CL2 Tank Weight (lbs) | # CL2 Used/Day | Phosp. Residual (mg/l) |
|-----------|-------------------|---------------------|---------------|---------------|---------------|-------------------------|----------------------------|-------------------|---------------|-----------------------|-------------------------------|-----------------------|----------------|------------------------|
|           |                   |                     |               | Turbidity NTU | Turbidity NTU |                         |                            | CL2 Residual mg/l | Residual mg/l |                       |                               |                       |                |                        |
| Feb. 2021 |                   |                     |               |               |               |                         |                            |                   |               |                       |                               |                       |                |                        |
| 1         | 538,658           | 590,539             | 0.00          | 0.034         | 0.087         | 2                       | 1.02                       | 0.059             | 1.049         | 137                   | 6                             | 0.47                  |                |                        |
| 2         | 556,858           | 504,727             | 6"s           | 0.034         | 0.091         | 7                       | 0.83                       | 0.089             | 0.982         | 130                   | 7                             |                       |                |                        |
| 3         | 553,020           | 542,050             | 3"s           | 0.034         | 0.090         | 4                       | 0.81                       | 0.101             | 0.982         | 123                   | 7                             |                       |                |                        |
| 4         | 572,632           | 576,861             | 0.00          | 0.034         | 0.089         | 7                       | 0.91                       | 0.064             | 0.973         | 116                   | 7                             |                       |                |                        |
| 5         | 576,329           | 495,372             | 0.00          | 0.034         | 0.088         | 11                      | 0.54                       | 0.091             | 0.932         | 110                   | 6                             |                       |                |                        |
| Sat. 6    | 503,262           | 373,274             | 2"s           | 0.034         | 0.094         | 0                       | 0.79                       |                   | 0.912         | 104                   | 6                             |                       |                |                        |
| Sun. 7    | 490,069           | 377,772             | 0.00          | 0.034         | 0.090         | 0                       | 0.82                       |                   | 0.948         | 98                    | 6                             |                       |                |                        |
| 8         | 534,430           | 606,101             | 1"s           | 0.034         | 0.090         | 2                       | 0.89                       | 0.065             | 0.938         | 92                    | 6                             | 0.51                  |                |                        |
| 9         | 602,166           | 607,203             | .5"s          | 0.034         | 0.085         | 13                      | 0.77                       | 0.106             | 0.871         | 86                    | 6                             |                       |                |                        |
| 10        | 615,068           | 598,848             | 4"s           | 0.034         | 0.086         | 14                      | 0.61                       | 0.116             | 0.798         | 80                    | 6                             |                       |                |                        |
| 11        | 601,516           | 523,491             | 0.00          | 0.034         | 0.085         | 15                      | 0.68                       | 0.072             | 0.873         | 74                    | 6                             |                       |                |                        |
| 12        | 550,715           | 475,568             | 0.00          | 0.034         | 0.090         | 7                       | 0.56                       | 0.105             | 0.966         | 67                    | 7                             |                       |                |                        |
| Sat. 13   | 494,834           | 379,536             | 0.00          | 0.034         | 0.085         | 0                       | 0.79                       |                   | 1.068         | 60                    | 7                             |                       |                |                        |
| Sun. 14   | 483,527           | 380,243             | 0.00          | 0.034         | 0.083         | 0                       | 0.88                       |                   | 1.106         | 54                    | 6                             |                       |                |                        |
| 15        | 485,403           | 385,600             | 2"s           | 0.034         | 0.084         | 0                       | 1.01                       | 0.061             | 1.104         | 48                    | 6                             | 0.86                  |                |                        |
| 16        | 525,606           | 559,434             | .25"r         | 0.034         | 0.092         | 1                       | 0.65                       | 0.083             | 1.110         | 42                    | 6                             |                       |                |                        |
| 17        | 563,906           | 531,217             | 2"s           | 0.034         | 0.096         | 7                       | 0.95                       | 0.079             | 1.029         | 36                    | 6                             |                       |                |                        |
| 18        | 580,000           | 643,596             | 0.00          | 0.034         | 0.087         | 7                       | 0.89                       | 0.074             | 0.989         | 30                    | 3                             |                       |                |                        |
| 19        | 616,182           | 569,658             | 0.00          | 0.034         | 0.090         | 15                      | 0.64                       | 0.089             | 0.931         | 24                    | 6                             |                       |                |                        |
| Sat. 20   | 544,831           | 384,441             | 0.00          | 0.034         | 0.091         | 8                       | 0.74                       |                   | 0.886         | 18                    | 6                             |                       |                |                        |
| Sun. 21   | 486,075           | 399,280             | 0.00          | 0.034         | 0.092         | 0                       | 0.86                       |                   | 0.986         | 12                    | 6                             |                       |                |                        |
| 22        | 528,292           | 577,611             | 0.00          | 0.035         | 0.088         | 2                       | 0.93                       | 0.066             | 1.001         | 144                   | 6                             | 0.67                  |                |                        |
| 23        | 590,620           | 621,537             | 5"s           | 0.035         | 0.092         | 11                      | 0.54                       | 0.101             | 0.949         | 138                   | 6                             |                       |                |                        |
| 24        | 609,002           | 587,663             | 1"s           | 0.034         | 0.106         | 14                      | 0.76                       | 0.073             | 0.891         | 132                   | 6                             |                       |                |                        |
| 25        | 610,050           | 565,965             | .01r          | 0.035         | 0.117         | 13                      | 0.69                       | 0.064             | 0.951         | 126                   | 6                             |                       |                |                        |
| 26        | 585,390           | 545,908             | 0.00          | 0.035         | 0.111         | 9                       | 0.59                       | 0.091             | 0.981         | 118                   | 8                             |                       |                |                        |
| Sat. 27   | 529,500           | 390,118             | 1"s           | 0.036         | 0.102         | 5                       | 0.78                       |                   | 1.028         | 111                   | 7                             |                       |                |                        |
| Sun. 28   | 486,169           | 382,561             | 0.00          | 0.035         | 0.121         | 0                       | 0.81                       |                   | 1.127         | 105                   | 6                             |                       |                |                        |
| Total     | 15,414,110        | 14,176,174          | 0.00          | 0.959         | 2.602         | 174                     | 21.740                     | 1.649             | 27.361        | 2,415                 | 173                           | 2.51                  |                |                        |
| Average   | 550,504           | 506,292             | 24"s          | 0.034         | 0.093         | 6                       | 0.78                       | 0.082             | 0.977         | 86                    | 6.2                           | 0.63                  |                |                        |