



East Jordan Wastewater Plant
Home of Jordy the Walleye and a few
thousand of his friends

Wastewater Plant Annual Report Calendar Year 2020

- The plant took in a total of 74,115,000 gallons of influent (raw sewage) in 2020. The daily average was 202,500 gallons per day. This was a 3.6% decrease from last year.
- Sewage was coming into the plant above its designed flow of 239,000 gallons per day a total of 35 days (10% of the time) in 2020. This was a 50% decrease from last year.
- The plant experienced 3 sanitary sewer overflows in 2020. This was 2 more than last year.
- There were 35 discharge permit violations in 2020; 1 was for pH at a monitoring well, 13 were for exceeding the number of gallons that was allowed to be discharged, 8 were for exceeding the mg/l of total inorganic nitrogen allowed to be discharged, 1 was for a lab test not being completed, and 12 were not technically violations but were just reported in the wrong month. There were 17% less permit violations compared to last year.
- 45% of the sewage coming into the plant was non-revenue water from rain and snowmelt entering the collection system. The revenue lost to the sewer fund due to having to treat this water but not being able to charge anyone for it was \$313,080 for 2020. This was a 1.9% increase from last year.
- 4,288 laboratory tests were completed for regulatory reporting, process control, quality control and monitoring wells in 2020. We did reduce the number of QC tests being run because of COVID supply chain issues with some of the lab reagents from Germany.
- 1,990 work orders were completed for plant equipment maintenance and monitoring in 2020.
- The plant used \$39,398.36 in utilities (electric, natural gas, water, sewer) in 2020. That breaks down to \$0.40 per 100 cubic foot or \$531.58 per million gallons. Total utility cost in the treatment process decreased by 9.2 % from last year. We reduced our greenhouse gas (GHG) output by 16.6 metric tons in 2020.
- The plant used \$6,207.69 in treatment chemicals (ferric chloride, sugar, chicken feed) in 2020. That breaks down to \$0.063 per 100 cubic foot or \$83.76 per million gallons. This was a 7% decrease from last year.
- The plant did not receive any walleye fingerlings to raise in pond 2 due to COVID interrupting egg collection. We are expecting them in 2021.

If you have any questions regarding the above data, please contact Kate Mowbray, Plant operator at 231-536-9774 or kmowbray@eastjordancity.org.