



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

## Wastewater Plant Annual Report Calendar Year 2019

Calendar year 2019 was the first full year of operations for the new wastewater treatment plant. Flow data and test results gathered during this year will serve as a benchmark for future years.

- The plant took in a total of 76,849,000 gallons of influent (raw sewage) in 2019. The daily average was 210,545 gallons per day.
- Sewage was coming into the plant above its designed flow of 239,000 gallons per day a total of 70 days (19% of the time) in 2019.
- There were 41 discharge permit violations in 2019; 1 was for pH at a monitoring well, 12 were for exceeding the number of gallons that was allowed to be discharged, 1 was a BOD lab error, 22 were for exceeding the mg/l of total inorganic nitrogen allowed to be discharged, 1 was for exceeding the mg/l of total phosphorus allowed to be discharged, and 4 were for lab tests not being completed.
- 43% of the sewage coming into the plant was non-revenue water from rain and snowmelt entering the collection system. Illegally connected roof drains and sump pumps also added to this number. The revenue lost to the sewer fund due to having to treat this water but not being able to charge anyone for it was \$307,226 for 2019.
- 2,503,500 gallons of class B biosolids was removed from the old lagoons and land applied as fertilizer to farm fields.
- 4,842 laboratory tests were completed for regulatory reporting, process control, quality control and monitoring wells in 2019.
- 2,019 work orders were completed for plant equipment maintenance and monitoring in 2019.
- The plant used \$39,992.24 in energy (electric, natural gas, water, sewer) in 2019. That breaks down to \$0.39 per 100 cu ft billed. Electrical cost is a major operating cost at the plant.
- The plant used \$7,010.26 in treatment chemicals (ferric chloride, sugar, chicken feed) in 2019. That breaks down to \$0.068 per 100 cu ft billed.

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