



Annual Operations' Process Activity Report for 2021

Report Prepared by David McCorvie

Process Information:

- Processed an average of 5.18 MG of wastewater through the reclamation facility per day for an average total per month of 157.45 MG or a total of 1,889,360,000 gallons in 2021.
- Wasted an average of 80,754 gallons per day from the Mixed Liquor to the DAFs at an average of 5,357 mg/l (3,608 lbs.) per day for a total for the year of 29,475,210 gallons (1,316,875 lbs).
- Pumped an average of 22,674 gallons per day of Primary Sludge from the Primary Settling Tanks to the Primary Digesters at average total solids of 3.1 % (5,862 lbs) per day and a total for the year of 8,276,010 gallons (2,139,680 lbs).
- Additionally, pumped an average of 8,293 gallons per day from the DAFs to the Primary Digesters at average total solids of 3.6% (2,490 lbs per day) and a total for the year of 3,026,945 gallons (908,810 lbs).
 - **Combined total yearly volumes pumped to the Primary Digesters from the Primary Settling Tanks and the DAFs = 11,302,955 gallons (3,048,490 lbs).**
- Processed an average of 36,582 gallons per day of digested sludge through the Sludge Press at average total solids of 2.8% (8,543 lbs per day) and a total for the year of 258 days of production for a yearly total of 9,438,156 gallons (2,203,998 lbs).
- Removed an average of 4.3 dry tons per day of dewatered solids from the Sludge Press to the Sludge Storage Lagoon with a total for the year of 258 days of production and a total of 1,109.4 dry tons deposited in the Sludge Storage Lagoon.
- We had 153 rain/precipitation events in 2021. The largest event for each month is noted as well as the total rain/precipitation for each month. 0.45 inches on January 1 with a sum for January of 1.01 inches, 0.12 inches on February 21 with a sum for February of 0.50 inches, 0.58 inches on March 25 with a sum for March of 1.86 inches, 0.39 inches on April 28 with a sum for April of 1.87 inches, 0.89 inches on May 15 with a sum for May of 2.30 inches, 1.18 inches on June 26 with a sum for June of 3.73 inches, 0.34 inches on July 12 with a sum for July of 1.32 inches, 1.22 inches on August 24 with a sum for August of 3.21 inches, 0.42 inches on September 23 with a sum for September of 1.15 inches, 1.80 inches on October 24 with a sum for October of 6.12 inches, 0.34 inches on November 17 with a sum for November of 0.87 inches and 0.62 inches on December 10 with a sum for December of 1.84 inches. We received a total of 26.13 inches of rain/precipitation in 2021.
- Chief Operator facilitated receipt of grease loads from various locations throughout the City that were delivered to, and deposited in, the Sludge Lagoon. We received a total of 95 loads of grease in 2021 for a total of 286,950 gallons.