

VILLAGE OF SAINT JOHNSVILLE WWTP APRIL 2019 BOARD REPORT

DAILY OPERATIONS; Start furnace, take out crucibles let cool, change charts and calculate flows. Weight up crucibles and then standardize P.H. meter. Grab samples from influent and effluent flows, grab sample of R.A.S. and clarifier sludge blanket. Then a sludge judge sample which measures the depth of blanket to use in process control calculations. Run samples and record the P.H. levels and sample temperatures. Calculate return sludge wasting rates. Clean aerator rake and check tray for Barscreen, record hours and check water level on the blowers. Check lift station, record hours and inspect electrodes cleanliness. Microscopic observation of colony and spectrometer test. Basement sump pumps checked.

Weekly operations: Clean electrodes and solenoids on the lift station. Hose down Barscreen building, empty barrels of solids when needed, check overt ravel switches. Grit washer operated solids and grit disposed in on site dumpster. Dissolved oxygen samples taken, field observation sheets filled out every other day. Influent and effluent composite samplers setup and collected for analysis outside laboratory for BOD5 and TSS levels. D.O. and P.H. meters calibrated. Brush clarifier trough, scum and weir plates of algae, check pickups for suctions. Brush Parshell flume, effluent tank walls and weir plates of algae.

Other plant operation: Rodger Conrad from D.P.W. has stated working every Tuesday morning at plant for generator maintenance and assist with plant operations

Asst. operator Mike Kardash made his appointment to take the state ABC exam for 2a wastewater operator certification.

Operator Frank Erno has attended NEIWPC training center for wastewater pumps and hydraulics at Syracuse, will receive 12 hours of continuing education units for recertification.

Meeting with Prime engineering on the up coming planed improvements on the plants lift station, clarifier and grit washer.

Ice off surface of digester start to mix to check consistency, run mixer for 10 to 15 minutes or until it starts to slosh in tank. Contacted Paraskeva trucking to arrange pump out date.

Received DEC email DMRQ-39 study has begun. E-mailed Region II coordinator to confirm receipt of study. Contact NSI labs and ordered the reagents needed for study.

Purchased a new Dissolved Oxygen meter from USA bluebook.

WWTP daily avg. flow = .574 MGD

WWTP flow peek = 1.1 MGD

30 Day weighted flow avg. = 90lbs per day BOD%

30 Day weighted flow avg. = 86lbs. Per day TSS

30 Day weighted flow avg. out = 6lbs. Per day BOD5

30 day weighted flow avg. out = 7 lbs. per day TSS

Daily avg. loading in = 26 lbs. per day BOD5

Daily avg. loading = 33 lbs per day TSS