

# VILLAGE SAINT JOHNSVILLE

## WASTEWATER PLANT BOARD REPORT MAY-JUNE 2018

Daily Operations: Collect samples from influent and effluent water flow analyzed for PH, chlorine, temperature and suspended solids levels. Collect sample of activated sludge for microscope and settlometer observations and evaluation for process control. Inspect and record hrs on blowers for aeration system and influent pump lift station. Aerator rake cleaned of debris and buckets of solids removed and replace. Bar screen inspected and tray cleaned and barrels of solids removed and replace if needed. Clarifier core sample calculated for blanket thickness for process control. Chlorine levels evaluations

Weekly operations: Cleaning electrode domes and replacing filters on influent pump system and exercise 3way valve. Brush and chlorinate wire plate on clarifiers and effluent weir plate. Mow grounds and weed eat fence line and garbage removal when needed. Hose and brush barscreen building floors tray and run grit washer to clear trough and chamber. Solids barrels from aerator, barscreen and grit chamber dumped into dumpster if needed. Collect and prepare effluent flow samples to be sent to laboratory for BOD, TSS and Fecal coliform levels reported to EPA.

### Plant operational activities:

Shut down clarifier #2 drained and cleaned and started clarifier #1 for summer season.

Pressure washed floors and barscreen then painted.

Set 4in pump on platform and installed hose in center of digester for pump out and hauld by Paraskeva Trucking to GJWWP.

Mixed digester #2 to keep sludge from separation and weed removal of surface at least 3 times.

Drained effluent tank #1 to repair effluent weir plate.

Start up chlorine pumps and rerun lines to effluent flow

By-passed grit chamber, drained cleaned and bearings and seals inspected.

Accpeting quotes and research prices for new portable trash pumps to replace old ones purchased in 1999 and 2001.

Aeration system and influent pump lift station serviced by factory approved contractors.

Mike Kardash enrolled at Morrisville College enviromental training center for operators certification.

Met with Rich Soriano from engineers office to inspect aeration system for a system up date.

Clean and paint bases for R.A.S. pumps and suspend signs on bases for pump identification.

Repaired the sink in the shop and replaced filter on aeration system

Complete DMRQ-38 study and results sent to EPA and state DEC

Pulled covers off Link-belt gear box and removed old grease and oil replaced with new on clarifiers and grit washer.

Itinerary for June & July:

Pump out digesters and hauled to GJWWTP.

Drain aerator #2 repair pvc drain line

Pressure wash and paint grit washer platform

Pressure wash and paint influent pump vault.

Pressure wash outside concrete walls of aerator and parshell flume.