

Operations Update

Plant Operations – Treatment in ACTI-FLO continues to do well for late summer operations and lower flows. The secondary treatment (biostyr) continues to make progress in recovering from the high strength ammonia that the plant received in the latter part of August. I had predicted it was going to take time and consequently the plant did not make permit limit on suspended solids in September; over by 1 mg/L. This exceedance was reported to the DNR. Measures have been taken within the plant to try and level out the spikes of ammonia that continue coming into the plant, but those measures will not prevent an upset to the biostyr if its a slug load like what was received in late August. So far for the month of October all permit values have been met and show signs of improvement daily.

ATAD Transfers – On September 5th started the transfers in the evening prior to going to off-peak hour electrical rates. For the month of September the 15 minute KW peak demand was at the lowest for the year. I will continue to monitor this over the next few months to see if this trend will continue.

Maintenance Update

Bio-solids storage tank #2 valves – The decant valve has been repaired.

Biostyr Blower – The biostyr blower was sent in for repair and I decided to go with the standard overhaul on this blower with some machine work being done on the rotors. The total came to \$5,060.00 with shipping; a new blower would have cost \$8,400.00.

ATAD Digester - Cleaning of the ATAD has been completed and is back up to normal operating parameters.

ATAD Blower #1VFD Drive – The drive had failed and was in need of being sent in for repairs. There were a few different options; to repair the drive with a 1 to 2 week lead time, a 4 to 6 week lead time, or an exchange unit with next day delivery. Decided to go with the exchange unit which came with a 2 year warranty plus there was no lead time. There was a \$1,700.00 difference in price.

Gravity Thickener pump #2 drive – Replaced this drive due to it going out. It was replaced with an exchange unit at a cost of \$2,150.00.

Director of Operations and Maintenance
Kevin Skogman