

Operations Update

Plant Operations – Plant operations and treatment were good for the month of April. Pounds limits for suspended solids were met; no credits were used from the treatment basin.

Wet Weather Event /SCADA Dialer – During the early hours of April 23rd, 2019 the plant had diverted a total of 170,000 gallons around secondary treatment. This diversion happened primarily because the SCADA dialer did not call out the operator on-call. Had it called out to the operator the plant should have been able to handle the flow. The plant's secondary treatment (Biostyr) had become jeopardized due to a high amount of solids being delivered from ACTI-FLO. Biostyr cells started going off-line due to plugging which in turn caused a diversion around secondary treatment. The SCADA dialer has been checked and is working properly now and will be checked on a monthly basis.

Chlorination Season – May 1st through September 30th is disinfection season. With the new permit the plant will be required to do a fecal coliform during a blending event which will be calculated in the monthly and weekly geometric mean; the monthly being 400#/100 ml and the weekly being 656#/100 ml. In the past permit the plant reported a weekly geometric mean which was 400#/100 ml. There was no requirement to do one during a blending event.

Maintenance Update

Day Tank Mixer (Wilo mixer) – Order has been placed for a new mixer. 12 to 14 week lead time for delivery; should be receiving within the next few weeks.

Laser Flow System Meters – Mulcahy Shaw had come to assist the install of the 5N laser flow meter. An issue came up with the surcharge kit when installing it on the laser flow meter. A screw had gone through the cable and the meter would not work. Mulcahy Shaw is in the process of getting it replaced. The plant has been collecting data from the two laser flow meters that are installed and are working properly. I will have about three months of data for the next commission meeting.

HOV Agricultural Land (Grass Buffers) – No update.

ATAD Jet Mix Pumps – Pumps have been received and are in the process of being installed.

Turbine Pump #1 Rebuild – No update since the detailed inspection report from last month.

Kevin Skogman
Director of Operations & Maintenance