Operations Update

Plant Operations – On May 4th the plant went into wet weather mode; 750,000 gallons of treated wastewater was directed around secondary treatment and blended with fully treated secondary water for about 11 hours. The plant influent peaked at 45 MGD for a short while and the plants total flow for the day was 23.3 million gallons.

After the higher than normal daily average flows during the first week of May the influent flow subsided to our average daily flows and treatment was good for the month of May.

Meter Station 4/7- I talked at last month's meeting about the backup/surcharge of the station during the wet weather event on May 4th. To pinpoint exactly what happened can't be determined. All the manholes were inspected before and after the meter station and there was no indication of the manholes being backed up. The indicator that there was a surcharge was the diverter plates in manhole 42 were knocked off the bench in the manhole.

The grease issue the plant had during the event I thought may have come from 4/7 but there was no indication of grease on the benches in any of the manholes going to the syphons. I figured if grease was the issue it would have been seen in manhole 39/39a (manholes at the syphons crossing). The grease most likely came from the main interceptor and was broke loose due to the surcharge on the system.

ACTI-FLO and DAFT Polymer Trials – Hydrite Chemical will be here June 12th to bench test polymer for the DAFT. When their bench testing is complete I will test their recommendations for the ACTI-FLO and the DAFT in the near future.

Compliance Evaluation Inspection – Our Basin Engineer Barti Oumarou along with Roy Van Gheem came in on May 9th to do the inspection. The inspection went well and the plant is in compliance.

Maintenance Update

Turbine Pump #2 – The rebuild of the pump has been delayed. Originally I was told the pump was near completion and would be arriving on May 22nd. On final completion of the rebuild Fair Banks found the shaft to be machined incorrectly so they ended up scrapping it and procuring material and going through the machining process again.

Area Velocity Flow Meter – The demo laser flow meter has been installed at Meter Station 5 South. There had been some issues receiving the real time date after the modem was installed. Mulcahy Shaw made a site visit to get it working correctly.

Peak Flow Wet Well Grease – The excessive grease load that came in during the wet weather event on May 4th loaded up the peak flow wetwell. Flush Septic came in to clean the wetwell of grease. With a vacuum truck and 3 individuals it took Flush about 3 ½ hours to clean it.

Venmar Air Exchange Unit VFD – The drive for the supply fan on the Venmar unit in the headworks building failed. Replaced the drive with an exchange unit at a cost of $2620.00.

Kevin Skogman
Director of Operations & Maintenance