

Operations Update

Plant Operations – Plant operations and treatment were good for the month of July. Suspended solids were on the rise slightly due to the low flows and a spike in the ammonia during the middle of the month. The plant had made a few adjustments in the operation to aid in keeping the suspended solids under control. Suspended solids have now come down to a more normal level.

ACTI-FLO and DAFT Polymer Trials – With the changes in operations because of the suspended solids, we will wait to test the polymers from Hydrite. If all continues to go well the plant should be running the trials on them this month.

Maintenance Update

Turbine Pump #2 – The turbine pump has been completed and will be arriving on August 14th for installation. LW Allen will be coming on August 16th for start up.

Laser Flow System Meters – Attached is the planning schedule for installing the laser flow meters.

Interceptor Cleaning/Televising – Great Lakes TV & Seal has completed the televising from manhole 9 to 6A. They noted no unusual conditions.

HOV Agricultural Land Grass Buffers – No update.

Kevin Skogman
Director of Operations & Maintenance

Succession planning on replacing existing flow meters and flow velocity meters at off-site meter stations

- Meter station #3 - no flow velocity meter
- Meter stations #1, 2, 5N, & 6 - flow velocity meters installed in 1996.
- Meter stations #4 & 7 - flow velocity meters installed in 2004
- Meter station #5S - flow velocity meter installed in 2009
- Meter station #10 - flow velocity meter installed in 2011

Existing partial flume flow meter installation dates:

- Meter station #5N - installed in 1996
- Meter stations #2, 4, & 7 - installed in 2004
- Meter station #5S - installed in 2009
- Meter station #10 - installed in 2011
- Meter stations #1, 3, & 6 - replaced in 2018

Estimated cost of Laser Flow Meter with surcharge kit \$15,500

Meters that will need to be budgeted in 2019:

- Meter stations #4, 7, 10, & 5S \$62,000

Meters that will fall under the replacement budget:

- Meter stations #1, 2, 5N, & 6 \$62,000
- Meter station #3 (no surcharge kit) \$12,500

Schedule for replacing meters:

- Remainder of 2018 - Meter stations #1, 2, & 5N
- 2019 - Meter stations #3, 4, 6, 7, 5S, & 10

Also looking at replacing plant influent meter; possibly in 2020 \$13,000

Peak Flow Chlorine flow velocity meter - due to the 1 to 3 times a year it may be used, will look at an updated flow velocity meter in the future. (2020).