

## **Operations Update**

Plant Operations – ACTI-FLO treatment continues to do well; biostyr still has its ups and downs due to continuing to receive some high ammonia spikes. After the first week of November is when the suspended solids started to climb in the final. I have included the NH<sub>3</sub> results from meter station #2. It shows how the NH-3 had climbed several times for the remainder of the month. Biostyr is handling the NH-3 loads like it should, however there are ramifications from the ups and downs.

## **Maintenance Update**

### Projects Planned For First Quarter 2018

- Turbine pump #2 rebuild
- Bio-Filter – Replace lava rock with Haydite media; replace wood media at this time also.
- Area Velocity Flow Meter sensor replacement in manhole #3. Flow measurement for diversion around secondary treatment.
- Meter station's Area Velocity Flow Meter repairs and/or replace. Is there a need to maintain?

No major maintenance items for the month of November.

Kevin Skogman  
Director of Operations & Maintenance

File Graph Quit

|   | Cust | Smp   | Site ID | SmplTy | StrtDte    | TestID | V/Value | Unit | Wks ID      | Statu |
|---|------|-------|---------|--------|------------|--------|---------|------|-------------|-------|
| ▶ | PLT  | 58738 | MS-#2   | 24Hr   | 11/2/2017  | NH3-N  | 57.1    | mg/l | NH3-N110317 | C     |
|   | PLT  | 58779 | MS-#2   | 24Hr   | 11/5/2017  | NH3-N  | 40.75   | mg/l | NH3-N110617 | C     |
|   | PLT  | 58804 | MS-#2   | 24Hr   | 11/7/2017  | NH3-N  | 62.63   | mg/l | NH3-N110817 | C     |
|   | PLT  | 58824 | MS-#2   | 24Hr   | 11/9/2017  | NH3-N  | 100.91  | mg/l | NH3-N111017 | C     |
|   | PLT  | 58849 | MS-#2   | 24Hr   | 11/12/2017 | NH3-N  | 34.97   | mg/l | NH3-N111317 | C     |
|   | PLT  | 58869 | MS-#2   | 24Hr   | 11/14/2017 | NH3-N  | 86.38   | mg/l | NH3-N111517 | C     |
|   | PLT  | 58889 | MS-#2   | 24Hr   | 11/16/2017 | NH3-N  | 123.96  | mg/l | NH3-N111717 | C     |
|   | PLT  | 58915 | MS-#2   | 24Hr   | 11/19/2017 | NH3-N  | 66.09   | mg/l | NH3-N112017 | C     |
|   | PLT  | 58936 | MS-#2   | 24Hr   | 11/21/2017 | NH3-N  | 100.68  | mg/l | NH3-N112217 | C     |

File Graph Quit

|   | Cust | Smp   | Site ID | SmpTy | StrtDte    | TestID | V | Value  | Unit | Wks ID      | Stat |
|---|------|-------|---------|-------|------------|--------|---|--------|------|-------------|------|
| ▶ | PLT  | 5897  | MS-#2   | 24Hr  | 11/26/2017 | NH3-N  |   | 24.56  | mg/l | NH3-N112717 | C    |
|   | PLT  | 58989 | MS-#2   | 24Hr  | 11/28/2017 | NH3-N  |   | 201.43 | mg/l | NH3-N112917 | C    |
|   | PLT  | 59008 | MS-#2   | 24Hr  | 11/30/2017 | NH3-N  |   | 107.15 | mg/l | NH3-N120117 | C    |