## **Operations Update**

<u>Plant Operations</u> – Treatment has leveled out during the month of December and operations are going well. The cold weather has caused no major issues.

## **Maintenance Update**

<u>Bio-Filter</u> – This was a project planned for the first quarter of 2018. I've received quotes for the removal and replacement of the lava rock and wood media. The quotes came in at \$18,850.00 and \$9,600.00. The total cost of this project with new stone, wood media, and contractor (lower quote) to remove and replace - \$43,671.00

Manhole #3 Area Velocity Flow Meter – Contacted Mulcahy Shaw about updating to laser technology for the flow meter in Manhole #3. They'll be coming in to set up a demo unit this month which will be installed in Manhole #4a to measure the flow in the effluent pipe coming into this manhole.

<u>Meter Stations A.V. Meters</u> – Will make a decision on the replacement of these meters after the demo of the laser technology.

No major maintenance items for the month of December.

Kevin Skogman Director of Operations & Maintenance