Operations Update

<u>Plant Operations</u> – Plant operations and treatment were good for the month of November.

Maintenance Update

<u>Laser Flow System Meters</u> – Mulcahy Shaw was on site December 4th to program and start up the laser flow meters. The plant will start taking totalizer readings on these flow meters to monitor for accuracy. If all goes well we'll start using the flow totals the beginning of 2019.

<u>HOV Agricultural Land (Grass Buffers)</u> – Due to the wet weather this fall the grass buffer zone and rock equipment crossing has been delayed on the HOV property along ZZ. The cost sharing incentive for these types of projects has been extended into the spring of 2019.

<u>ATAD Digester</u> – The cleaning of the digester took place the last week of November. The tank was cleaned of debris, headers were jetted and inspected and all looked good. Discharge rubber coupling on jet pumps were replaced, rotating assemblies on the jet pumps were removed and inspected along with pump casings. The wet ends of the rotating assemblies need to be rebuilt due to cavitation and wear. The pump casings have wear also and will need to be replaced. I'm working with Thermal Process Systems on a few different options and should have that information for the next regular commission meeting.

<u>Biostyr Blowers</u> – Recently had a biostyr blower failure; its been replaced with an exchange unit from Aerzen.

Kevin Skogman
Director of Operations & Maintenance