

# Operations & Maintenance Report

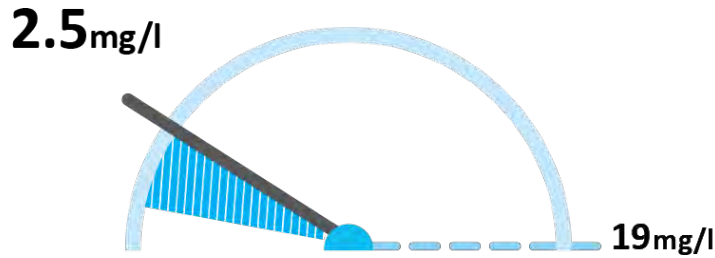
## September 24, 2020



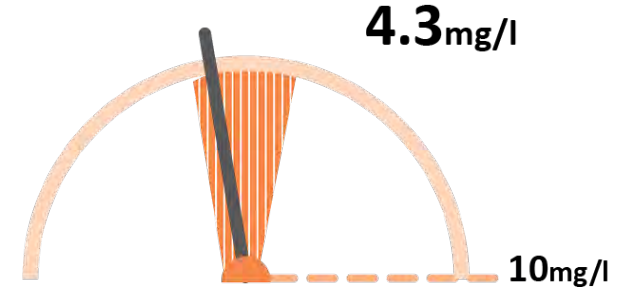
Madison Metropolitan Sewerage District

# August Plant Performance

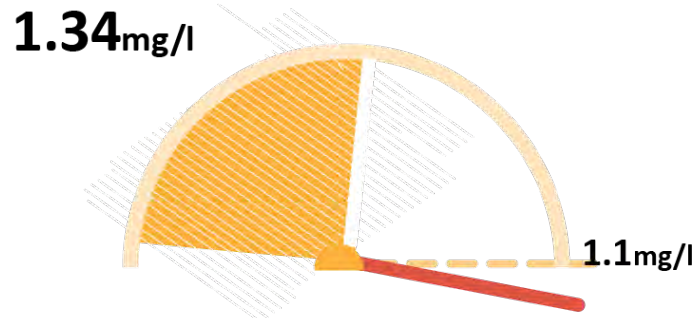
CBOD5



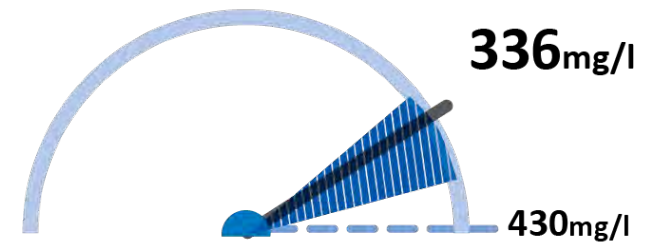
TOTAL SUSPENDED SOLIDS



AMMONIA



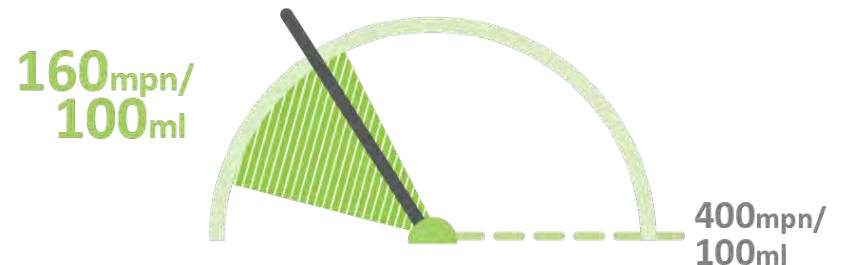
CHLORIDE



PHOSPHORUS



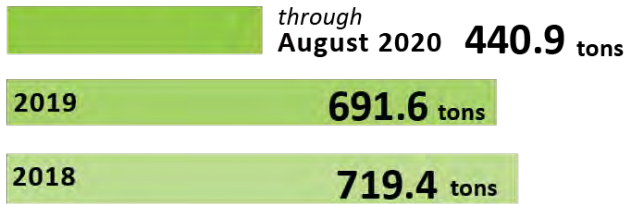
FECAL COLI BACTERIA



# August Resource Recovery

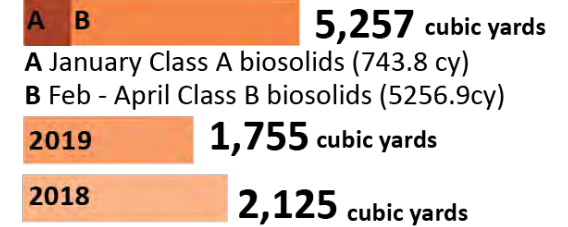


## STRUVITE

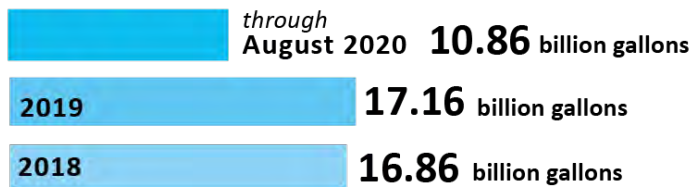


## METROMIX

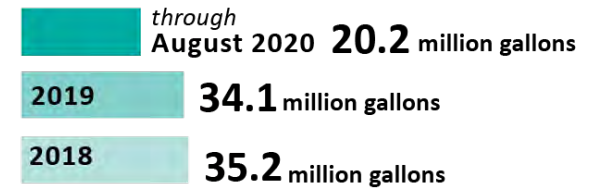
through August 2020



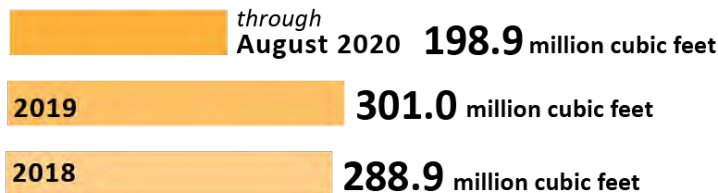
## CLEAN WATER



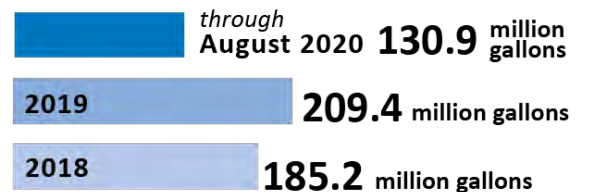
## METROGRO



## BIOGAS



## REUSED EFFLUENT



# High BMC Ammonia for August

- Monthly limit is 1.1 mg/l to BMC
- August average ammonia was **1.34 mg/l**
- Two events
  - Aug 20-22 – Plant shift (5.2 mg/l for 3-day period)
  - Aug 27-29 – Blower issue (4.4 mg/l for 3-day period)
- Heat & humidity (especially 8/23-29) a factor
- Either event alone - no problem
- Only impacts BMC (BFC limit is 1.8 mg/l)

Thank you!