



MICHIGAN DEPARTMENT OF  
ENVIRONMENT, GREAT LAKES, AND ENERGY

# Michigan AWOP Update

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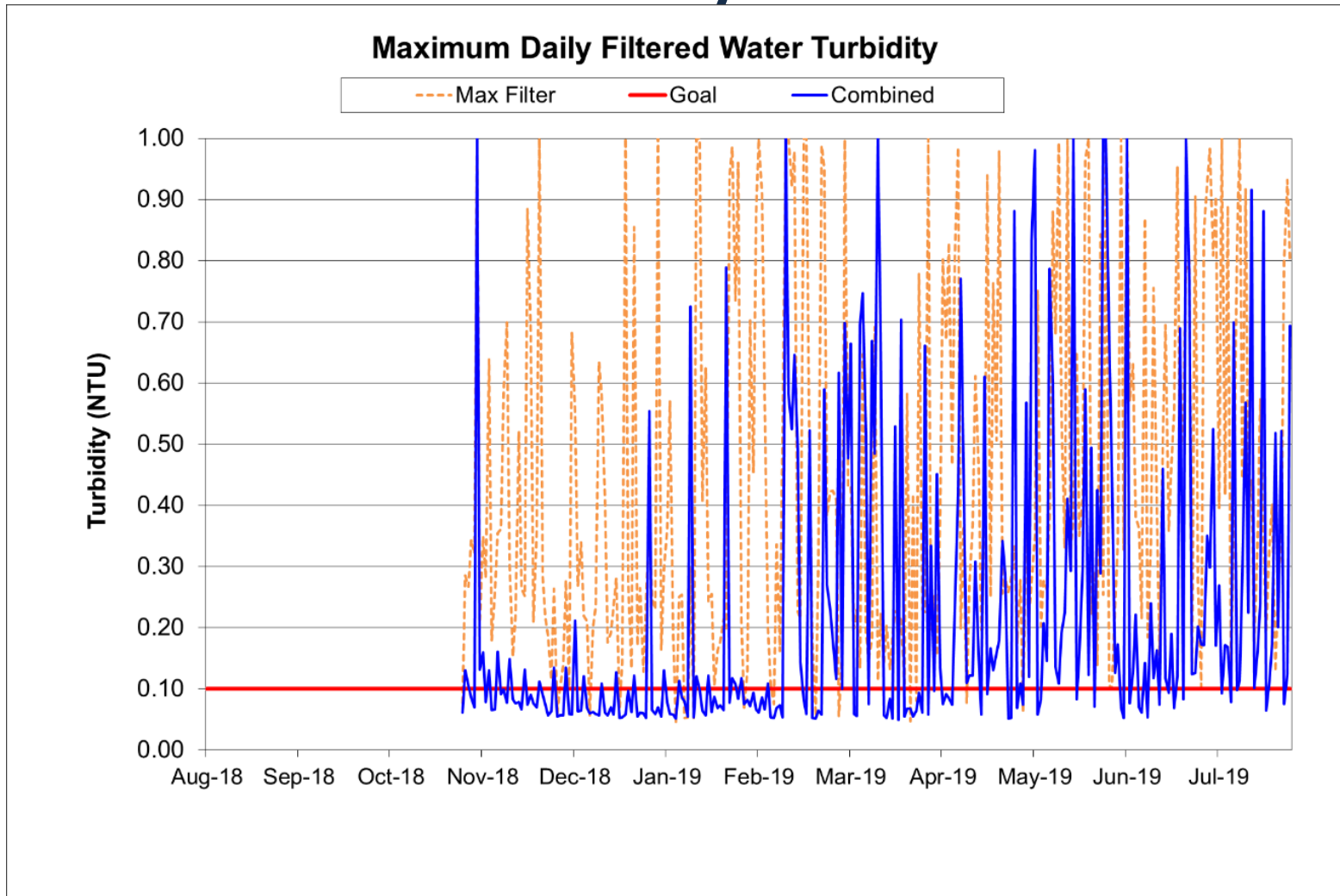
# August 2019 – CPE Demonstration

- City of Saginaw, MI
  - Lake Huron source water
  - Conventional treatment plant
  - pH adjustment for corrosion control
  - 18 mixed-media filters with 3 CFEs
- 12 EGLE employees and 3 PAI reps

# Findings from the CPE

- Turbidimeters were capped at 1.0 NTU
- The filter that was inspected was experiencing media mounding and inconsistent stratification
- Some inconsistencies in methods between operators
- Not using continuous turbidity data to evaluate filter performance

# Turbidity Data



# MOR and Continuous Comparison

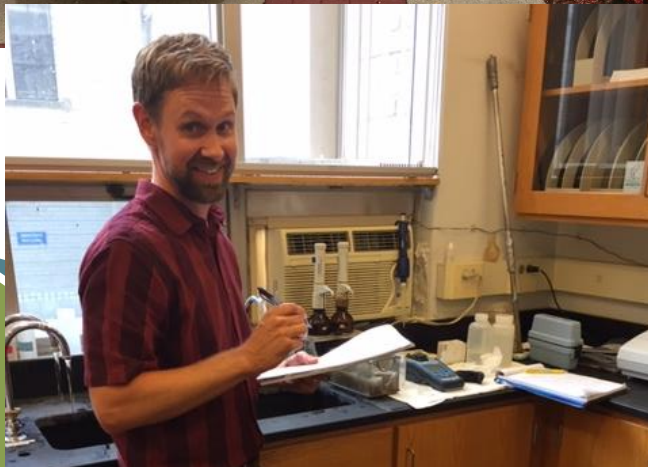
	East	North	South
MOR	0.12	0.11	0.11
Continuous	0.14	0.16	0.73

# Takeaways from the CPE

- There was not a culture of studying issues and optimizing at the plant
- However, the superintendent and other staff seem interested in continuing optimization efforts and making improvements
- Staff were very cooperative during the whole CPE process and seem willing to work with EGLE in future optimization efforts



# CPE Pictures



# Other Updates

- New LCR in effect and being implemented
- In the process of setting a statewide MCL for several PFAS chemicals
- Several new positions in Drinking Water division: 2 new Surface Water engineers, permit engineer, “floater” engineer, and several LCR analysts
- Lost former Deputy Division Director Amy Lachance when she took a job in Massachusetts



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