Michigan AWOP Update
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

Maximum Daily Filtered Water Turbidity

- Max Filter
- Goal
- Combined

![Turbidity Graph](image-url)
# MOR and Continuous Comparison

<table>
<thead>
<tr>
<th></th>
<th>East</th>
<th>North</th>
<th>South</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOR</td>
<td>0.12</td>
<td>0.11</td>
<td>0.11</td>
</tr>
<tr>
<td>Continuous</td>
<td>0.14</td>
<td>0.16</td>
<td>0.73</td>
</tr>
</tbody>
</table>
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