Lab Certification and Audit Updates
Tom Trainor, WI DNR
Why does Laboratory Certification Exist?

• WI DNR Programs

• Accredited Laboratories
How does Laboratory Certification Help?

Technical Assistance

- Interpret code requirements
- Interpret method requirements
- Troubleshoot problems
- Assess regulatory compliance
Common Mission
GOAL

• Defensible, high quality data

• Sound environmental decisions
Sometimes we miss our goal

• A few “bad actors”
Anti - Analysts

- Changed quality control results
- Previous deficiencies not maintained
  - Ignored failed quality control, not qualified
- Falsified data related to Biochemical Oxygen Demand
  - 3 years, no quality control failures, 190 - 210
- Falsified data > year, no benchesheets or samples
- Large commercial lab major non-compliance
  - $220,000 fine
Rumor Proof

• 9 labs with zero deficiencies 2017

• 17 labs with zero deficiencies 2018
STAFF CHANGES
The Unusual Suspects
Important Notes

New Method Detection Limit Procedure

- Initial
- On-going

New code (NR 149)

- Status
- Effective date
- Training
Important Notes

Proficiency Testing Samples

- Report the correct method code
- Due date 8.15.19
- After 9.1.19 lose accreditation

Renewal Invoices

- Mailed before Memorial Day
- Due 30 days after invoice date
- After 60 days a late fee is assessed
- After 9.1.19 lose accreditation
Statistics

**Number of labs**
- Total = 333
- Small = 236
- Large = 97

**Lab Types**
- Municipal = 211 (50 cert)
- Commercial = 66 (all cert)
- Industrial = 40 (6 cert)
- Public Health = 12 (all cert)
- Hazardous Waste = 4 (2 cert)

Certified vs Registered
Geography

Labs located outside of WI

- 32 of 66 commercial
  (CA, CO, FL, GA, IL, IN, KS, MI, MN, NY, PA, TN, WA)

- 3 of 40 industrial
  (IL, MI, MN)

- 1 of 211 municipal
  (MN)
### Whole Effluent Toxicity labs

<table>
<thead>
<tr>
<th>Environmental Consulting and Testing</th>
<th>Superior, WI</th>
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<tbody>
<tr>
<td>Lake Superior Research Institute (LSRI)</td>
<td>Superior, WI</td>
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<tr>
<td>Pace Analytical Services, LLC-Duluth MN</td>
<td>Duluth, MN</td>
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<td>Ramboll US Corporation</td>
<td>Brentwood, TN</td>
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<td>Wisconsin State Laboratory of Hygiene</td>
<td>Madison, WI</td>
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Take Away

- Ensure all have safe water
- Communicate with Lab Cert
- Rick Mealy
- New Method Detection Limit procedure in effect
- New NR 149 coming soon
- Proficiency Testing Samples deadline
- Renewal fee deadline