2018 Lake Erie Users Group Certification and Disruption of Service

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Andrew Barienbrock
# Operations, Resiliency, and Certification Section

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<tr>
<th>Name</th>
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<th>Responsibilities</th>
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<tr>
<td>Andrew Barienbrock</td>
<td>Environmental Manager</td>
<td>Reclassifications, Technical Assistance, Emergency Response and Sanitary Survey Auditing</td>
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<td>Dave Riley</td>
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<td>Operator of Record notifications, Technical assistance, Sanitary Survey Auditing</td>
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<td>Tanushree Courlas</td>
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<td>Marissa Ganzfried</td>
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<td>Operator Certification, Exams</td>
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Ohio EPA Operator Certification Update

RULE MAKING
Rule Making

• Proposals for change to the Current Operator Certification Rules.
  • Throughout the rules we will be referring to operators as “Professionals”
• 3745-7-01 (Definitions)
  – Changes to the definition of operating experience
    • For applicants who solely have laboratory, pretreatment and engineering components to experience it will only count for a maximum of 25% of the total operating experience requirement. 1 year from date of rules.
    • Collection and Distribution experience moved to the same provision when an operator is applying for a Wastewater Treatment or Water Supply Certificate.
Rule Making (Continued)

• 3745-7-01 (Definitions)
  – Adding the definition of a “Week” – 7 day period beginning on Sunday and ending on Saturday

• 3745-7-02 (Certified professional operators required)
  – Contract must clearly define the responsibilities of the owner and the professional operator
  – Contracted professional operator shall perform their duties in accordance with the contract operator rule
Rule Making (Continued)

• 3745-7-03 (Public water system classification and staffing requirements)
  – Remove provision allowing 12 months after a change in classification by the Director to obtain an appropriately certified operator
  – Distribution staffing -
    » Class 1 - Visit the system 3 days per week
    » Class 2 - Visit the system 5 days per week
  – Clarification of backup operator provisions for Class A and 1
  – Addition of a provision clarifying backup operators are responsible for violations that occur while they are staffing a plant
Rule Making (Continued)

• 3745-7-05 (Classification of professional operator certification)
  – Moved limited Class A description here
  – Adding a chart showing superseding certificates

• 3745-7-06 (Certification of professional operators)
  – Provide minor clarifications to some paragraphs
  – Add a deadline for submittal of the Class IV exam
• 3745-7-07 **Professional operator in training**
  – Clarify that OITs are not certified and cannot act as a professional operator of record
• 3745-7-09 **Recordkeeping requirements and responsibilities of a certified professional operator**
  – Operation and maintenance records must be maintained in hard bound books with consecutive page numbering or computer logs which automatically document the date, time and person making entry
Rule Making (Continued)

• 3745-7-09 (Recordkeeping requirements and responsibilities of a certified professional operator)
  – Each professional operator shall ensure the record keeping requirements are being met
  – Each professional operator of record shall ensure the minimum staffing requirements are met
  – Each professional operator shall display a copy of their certificate at the plant or office of the owner. (Moved from 3745-7-05)
Rule Making (Continued)

• 3745-7-09 (Recordkeeping requirements and responsibilities of a certified professional operator)
  – Report minimum staffing times to the agency on a form approved by the Director
Rule Making (Continued)

• 3745-7-13 (Reciprocity)
  – Fee clarification

• 3745-7-15 (Expiration and renewal of professional operator certification)
  – Requirement for electronic submission of renewal applications beginning with certificates that expire December 31, 2018
  – Moving official due date for renewals to November 30 of the expiration year.
  – Reducing grace period from 1 year to 6 months.
Rule Making (Continued)

• 3745-7-15 (Expiration and renewal of professional operator certification)
  – Within 30 days of the effective date of the rule all training providers will be required to electronically submit attendance documentation
  – Clarification that training providers must notify Ohio EPA of each training session
  – Allowance for a third party course approval program
  – Penalty provisions for not following course approval requirements
  – Requirement to certify that you have taken Ohio EPA Operator Course
Rule Making (Continued)

• 3745-7-17 (Professional operator certification fees)
  – Clarification of fees for examination, certification, reciprocity and renewal

• 3745-7-21 (Contract Operator Rule)
  – In development.
    • Require registration for all contract operators and contract operation companies
    • Spell out requirements for contract operations companies
    • Provisions for preventing companies or operators From acting as contract operators
Development of the Disruption of Service Rule

• Why?
  – Emergencies
  – Consistency

• Who?
  – Ohio EPA
  – AWWA Technology Committee

• What?
  – Provisions to deal with disruptions in service
Disruption of Service Rule

- Depressurization is still defined in 3745-83-01
- Several exemptions are provided
- This rule addresses what to do in the case of those alternatives
- In the event of an issue, transients and non transient non community systems
  - Provide bottled water
  - Other Director approved actions.
Disruption of Service Rule

• Community and non transient non community systems greater than 1000 people must follow provisions in rule.

• Definitions
  – “affected area”
  – “Contamination intrusion”
  – “positive pressure”
  – “Type 1-4”
Disruption of Service Rule

• Disruption of service - Inability to maintain a minimum pressure of 20 PSI
  – All Communities and NTNC with a population 1000 or more shall follow the rule
• Must monitor pressure upstream and downstream of the water line repair
Disruption of Service Rule

• Pressure monitored by in-line pressure monitors, hydrant pressure recorders, elevated storage tanks, towers or other Director approved methods
Disruption of Service Rule

- **TYPE 1** – controlled pipe repair, positive pressure maintained and no sign of contamination intrusion.

- No boil advisory, sampling for total coliform or notification to Ohio EPA are required provide following are met:
  - Excavate below the repair
  - Maintain pit water level below the repair
Disruption of Service Rule

• **TYPE 1 (Continued)**
  – Disinfect in accordance with AWWA C651
  – Repair under positive pressure
  – After repair verify disinfectant presence
  – Document steps taken
  – If all steps not followed the event is elevated to Type 2
Disruption of Service Rule

• Type 2 – controlled pipe repair, positive pressure maintained until a controlled shutdown of the affected area can be completed and no signs of contamination

• a boil advisory, sampling for total coliform and notification to the Ohio EPA not required if the following are met:
  – Water line replacement does not exceed on full section of pipe
  – Excavate to below the repair
Disruption of Service Rule

• **Type 2** (Continued)
  – Maintain pit water level below the repair
  – Affected critical customers notified
  – Perform controlled shut down
  – Disinfect affected area in accordance with C651
  – Repair the water line
Disruption of Service Rule

• **Type 2** (Continued)
  – Flush lines in accordance with C651
  – Verify disinfectant presence
  – Document activities
  – No notification to Ohio EPA necessary
  – Move to Type 3 if process not followed
Disruption of Service Rule

• **Type 3** – loss of pressure at the repair site, localized depressurization near repair, an uncontrolled shut down or signs of possible contamination intrusion
  – Activate the notification procedures in the system contingency plan.
  – If the disruption affects 10 percent of a systems customers or 100 customers whichever is least, notify the appropriate District office or Ohio EPA hotline (after hours)
  – Must speak with a person at Ohio EPA
Disruption of Service Rule

• **Type 3** (Continued)
  – Document possible contamination
  – Issue precautionary boil advisory
  – Disinfect, repair and flush in accordance with C651
  – Test for Chlorine residual and comply with minimum requirement
  – Move to Type 4 if event becomes a widespread disruption
Disruption of Service Rule

• **Type 3** (Continued)
  – After repairs, repressurization and chlorine verification, collect special purpose total coliform samples
    • If samples negative for E. Coli or fecal coliform the boil advisory may be lifted
    • If samples positive for E. Coli or fecal coliform the advisory stays in effect and need consecutive samples 24 hrs apart to lift advisory
  – Document activities in writing. Submit form to Ohio EPA District Office w/in 48 hrs
Disruption of Service Rule

- **Type 4** – Catastrophic failure, widespread depressurization or actual contamination intrusion
  - Activate notification process in contingency plan
  - If the disruption affects 10 percent of a systems customers or 100 customers whichever is least, notify the appropriate District office or Ohio EPA hotline (after hours)
  - Must speak with a person
Disruption of Service Rule

• **Type 4** (Continued)
  – Document contamination
  – Consult with Ohio EPA
  – Issue boil advisory or “Do Not Drink” advisory
  – Disinfect, repair and flush in accordance with C651
  – Test for chlorine residual and comply with minimum requirement
Disruption of Service Rule

• **Type 4** (Continued)
  – After repairs, repressurization and chlorine verification, collect special purpose total coliform samples
    • If samples negative for E. Coli or fecal coliform the boil advisory may be lifted
    • If samples positive for E. Coli or fecal coliform the advisory stays in effect and need consecutive samples 24 hrs apart to lift advisory
  – Document activities in writing. Submit form to Ohio EPA District Office w/in 48 hrs
Questions?

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