

# 2018 Lake Erie Users Group Certification and Disruption of Service

April 26, 2018

Andrew Barienbrock

# Operations, Resiliency, and Certification Section

Andrew Barienbrock	Environmental Manager	
Dave Riley	Environmental Specialist 2	Reclassifications, Technical Assistance, Emergency Response and Sanitary Survey Auditing
Josh Legg	Environmental Specialist 2	Operator of Record notifications, Technical assistance, Sanitary Survey Auditing
Chad Wegner	Environmental Specialist 2	Security, Contingency Planning, Emergency Response Planning, Operator Notifications and Enforcement
<i>Tanushree Courlas</i>	<i>Environmental Supervisor</i>	<i>Operator Certification</i>
Marissa Ganzfried	Environmental Specialist 2	Contact Hours, Advisory Council, eBusiness and application processing
Kevin Jarrel	Environmental Specialist 2	Contact hours, eBusiness, ACHTP Program, and application processing
Deidra Davis	Administrative Assistant	Operator Certification, Exams

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

# Rule Making (Continued)

- 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?

Andy Barienbrock

[andrew.barienbrock@epa.ohio.gov](mailto:andrew.barienbrock@epa.ohio.gov)

(614) 728-1216