

Operator Training Committee of Ohio Water Workshop Disruption of Service, Certification, Compliance & Resiliency

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Development of the 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 even 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
 - Transient (TNC) and Non transient non community (NTNC) serving <1000 shall provide bottled water or the equivalent
 - 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

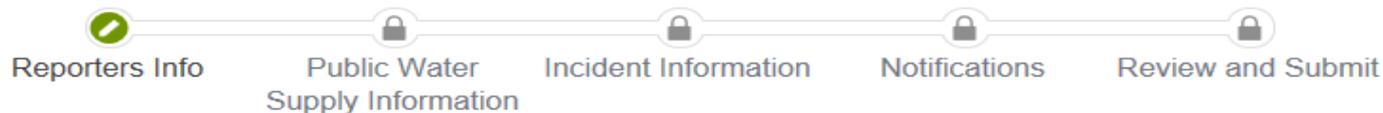
- **Type 4** (Continued)
 - Document contamination
 - Consult with Ohio EPA
 - Issue boil advisory or “Do Not Drink” advisory
 - Disinfect, repair and flush in accordance with C651
 - Test for chlorine residual and comply with minimum requirement

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

Reporting

- Contact your District Office during normal business hours
- After hours contact Ohio EPA's 24 hour emergency hotline. 1-800-282-9378. Indicate this is a water plant emergency
- Online reporting tool
<http://epa.ohio.gov/ddagw/pws/disruptionreporting.aspx>



Contact Information

Screen 1 ▼

Name: 

Water system or company name: *

Water System, Fire department...etc

Phone number: *

Email address:

Are you the primary contact for this incident? *

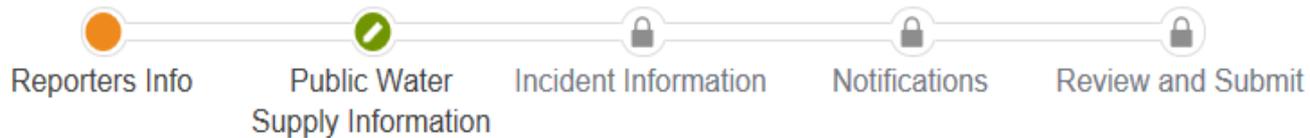
Yes No

Next

Restart

Exit

PWS Service Disruption Report



PWS Information

Screen 1 ▼

Select the primary county for the PWS and the PWS Type then click next for the PWS List

What county is the PWS in? ⚠

Select the PWS type? *

- Community
 Non-Community

Community systems are cities, villages, mobile home parks and nursing homes...etc.

Non-Community systems are schools, hospitals, hotels, factories, campgrounds, restaurants, and gas stations...etc.

Back

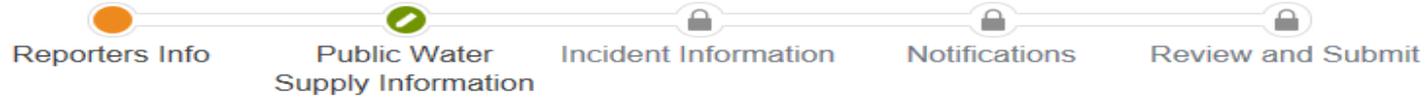
Next

Restart

Exit



PWS Service Disruption Report



Public Water System

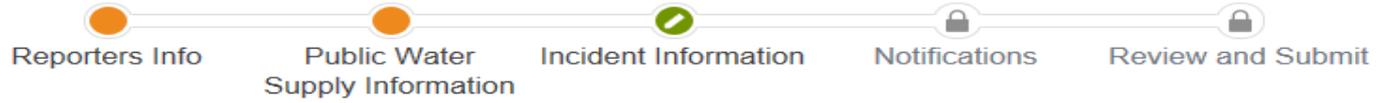
Screen 2

Select Only One

- ARCHBOLD VILLAGE
- DELTA VILLAGE
- FAYETTE VILLAGE
- LYONS VILLAGE
- NORTHEAST WATER SYSTEM
- SWANCREEK WATER DISTRICT 1
- SWANCREEK WATER DISTRICT 2
- SWANTON MEADOWS
- SWANTON VILLAGE
- WAUSEON CITY

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Incident Description

Screen 1 

Select the incident type? 

What is the Date and Time the incident occurred? *

Briefly describe the incident and where it occurred? *

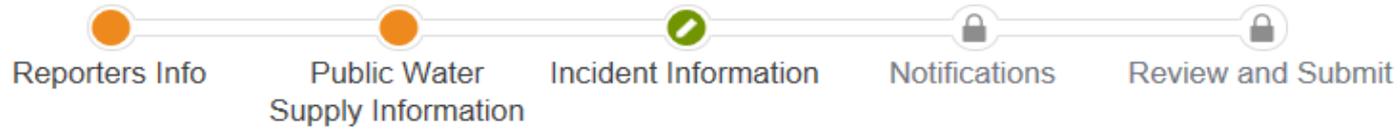
What caused the incident?

Back

Next

Restart

Exit



Incident Impacts

Screen 2 

Estimated number of customers being impacted? 

Is bottled or alternative water being provided? *

Yes No

A Satellite PWS is a consecutive water system receiving water form the primary PWS

Are any satellite water systems effected? *

Yes No

Back

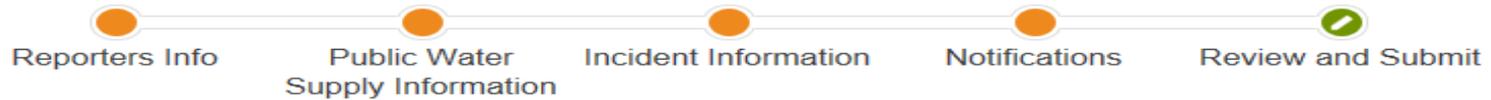
Next

Restart

Exit



PWS Service Disruption Report



Interview Complete

Screen 1

This is a priority PWS incident.

[SHOW DETAILS](#)

Review the information you are reporting and if correct select the submit button. A PWS disruption incident will be created. A complete copy of this report may be downloaded from the link at the bottom of this page. A copy of this report will be sent to Ohio EPA staff for follow-up.

OH2600111 - WAUSEON CITY
Incident Type: Line breaks that affect the routine delivery or treatment of water

09/26/2017 04:30
Incident Description: Main and Broad Streets. Water everywhere.
Incident Cause: Construction accident

You must call and report this incident to Ohio EPA Northwest District Office at 419-352-8461

Reported by: Brian Tarver
Columbus Water
(614) 728-1740
brian.tarver@epa.ohio.gov

Primary Contact: Tyler Liston
Columbus Water
(614) 644-2752
tyler.liston@epa.ohio.gov

[Click here to generate a form for your records](#)

[Back](#) [Submit](#)



Operator Certification Rules

- Ready for Original File
- Key Changes
 - Operating experience
 - Minimum staffing for Distribution and Collection Systems
 - Must use hard bound books with consecutive page numbering or computer logs which document time date and person making entries

Operator Certification Rules

- Report minimum staffing times to the agency
- Electronic submission of renewal forms (December 31, 2018 renewals)
- Reducing grace period to 6 months
- Contract Operator Rule

Contact Information

Toll Free Hotline

1-866-411-OPCT (6728)

<http://www.epa.ohio.gov/ddagw/opcert.aspx>



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