

# Public Water System Disruption of Service Reporting

In situations when the pressure in the distribution system drops below 20 pounds per square inch gauge (PSIG) at ground level a public water system may be required to report to Ohio EPA, issue a boil advisory and collect special purpose total coliform samples. Please see OAC 3745-83-02 Water Distribution System Disruption of Service for complete rules. Incidents are categorized as Type 1-4. The tables below show the types of incidents, the required event response and the reporting requirements for nontransient noncommunity public water systems with a population  $\geq 1000$  and all community public water systems.

**Table 1. Reporting to Ohio EPA is required for Type 3 and Type 4 disruptions of service as described below.** The initial notification to Ohio EPA must be reported by phone and the reporting party must speak with a person. The initial report shall go to the appropriate District Office during normal business hours and the Ohio EPA's emergency hotline 1-800-282-9378 after hours.

Type of Incident	Event Response	Reporting
<p><b>Type 4 (One of the following)</b></p> <ul style="list-style-type: none"> <li>• Catastrophic failure with widespread depressurization.</li> <li>• Contamination intrusion.</li> <li>• Failure to meet the criteria to be a Class 3</li> </ul>	<ul style="list-style-type: none"> <li>• Activate notification according to contingency plan.</li> <li>• Document actual or possible contamination.</li> <li>• Issue precautionary boil advisory to all affected customers.</li> <li>• Disinfect, repair and flush in accordance with AWWA C651-14 section 4.11.3.3.</li> <li>• Test for chlorine residuals and ensure minimum chlorine residuals are maintained.</li> <li>• Collect special purpose total coliform samples.</li> </ul>	<ul style="list-style-type: none"> <li>• Report to Ohio EPA immediately when greater than 10% of the PWS population or 100 service connections whichever is least.</li> <li>• Submit <a href="#">reporting form*</a> (After Action Report) to the District Office within 48 hours of correcting the disruption of service.</li> <li>• In affected areas that are known or likely to contain lead service lines, public water systems shall follow applicable notification requirements. (<a href="#">Guidelines for Water Line Repairs and Replacements in Areas with Lead Service Lines</a>)</li> </ul>
<p><b>Type 3 (One of the following)</b></p> <ul style="list-style-type: none"> <li>• A loss of positive pressure at the repair site and depressurization adjacent to the repair.</li> <li>• Uncontrolled shutdown.</li> <li>• Signs of possible contamination intrusion.</li> <li>• Failure to complete the event response for a Type 2 disruption of service.</li> </ul>		

**Table 2.** No Report to the Ohio EPA required and no boil advisory required.

Type of Incident	Event Response	Reporting
<p><b>Type 2 (All of the following)</b></p> <ul style="list-style-type: none"> <li>• Controlled component repair.</li> <li>• Positive pressure is maintained until controlled shutdown of affected area completed.</li> <li>• No signs of contamination intrusion.</li> <li>• Failure to complete the event response for a Type 1 disruption of service.</li> </ul>	<ul style="list-style-type: none"> <li>• Pit excavated to below the area of repair.</li> <li>• Water level maintained below area of repair.</li> <li>• Critical users in affected area notified in accordance with the contingency plan.</li> <li>• Controlled shutdown of the affected area.</li> <li>• Line disinfected and flushed in accordance with AWWA C651-14 section 4.11.3.2.</li> <li>• Line repaired.</li> <li>• Test or verify chlorine residuals.</li> <li>• Document activities on a <a href="#">Form*</a> approved by the Director.</li> </ul>	<ul style="list-style-type: none"> <li>• In affected areas that are known or likely to contain lead service lines, public water systems shall follow applicable notification requirements. <a href="#">(Guidelines for Water Line Repairs and Replacements in Areas with Lead Service Lines)</a></li> </ul>
<p><b>Type 1 (All of the following)</b></p> <ul style="list-style-type: none"> <li>• Controlled pipe repair.</li> <li>• Positive pressure is continuously maintained during repair.</li> <li>• No signs of contamination intrusion.</li> </ul>	<ul style="list-style-type: none"> <li>• Pit excavated to below the area of repair.</li> <li>• Water level maintained below area of repair.</li> <li>• Line disinfected in accordance with AWWA C651-14 section 4.11.3.1.</li> <li>• Line repaired under positive pressure.</li> <li>• Test or verify chlorine residuals.</li> <li>• Document activities on a <a href="#">Form*</a> approved by the Director.</li> </ul>	



\*To Use the form at the link, click the **box**

**Important Definitions**

**Affected Area -** The portion of a distribution system where the pressure of the system has dropped below twenty psig at ground level.

**Positive pressure -** Any continuous outflow of water above zero psig at ground level from the pipe on each side of the break.

**Repair -**

Any incident that requires the installation of pipe which does not exceed one section of pipe or twenty feet when dealing with fusible pipe material.

**Replacement -**

Any incident that requires installation of pipe which exceeds one section of pipe or twenty feet when dealing with fusible pipe material.