

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

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

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

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.