



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Emergencies and Contingency Planning

Small Systems Training 2020

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Emergencies



- Power Outages
- Watermain Breaks
- Equipment Failure
- Death of the OIC
- Pandemic/illness
- Vandalism/Terrorism
- Floods
- Shortages of Treatment or Testing Chemicals

Anything that might lead to loss of pressure, inadequate quantities of water, contamination of the water supply, or a threat to Public Health.

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Pandemic/Illness



[COVID 19 - CDC](#)

[COVID 19 – other resources](#)

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Power Outages

- Failure of the power grid – blackouts/ brownouts



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Power Outages



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Power Outages

- Weather-related
 - Thunderstorms
 - Tornadoes
 - Lightning strikes
 - Heavy, wet snow
 - High winds
 - Ice storms



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Main Breaks



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Flooding



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High Lake Levels



Approximate location of sewer line

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Equipment Failure/Flooding



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Contingency Planning

- Emergency Response Plan
 - Critical contacts
 - Critical customers
 - Communications
 - Plans & agreements
 - Information about your system
 - Water source
 - Treatment
 - Distribution



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Critical Contacts

- Personnel – Who might be available to help? Supply personnel, mutual aid, contractors. How will you contact them? Can they reach the water supply in an emergency? Can you?
- Emergency Personnel.
- Communicating with your customers – social media, broadcast media, door-to-door.

DO YOU HAVE A BOIL WATER ADVISORY TEMPLATE READY FOR AN EMERGENCY?



Critical Contacts

- EGLE Personnel
 - District Engineer
 - District Analyst
 - Environmental Assistance Center **800-662-9278**
 - PEAS Line **800-292-4706**

Emergencies affecting the water system are required to be reported to EGLE immediately



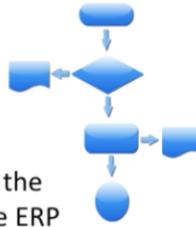
Critical Contacts

- Contractors
 - Excavators, well drillers, electricians, welders, plumbers, hazardous chemical/materials clean-up.
- Suppliers
 - Chemicals suppliers, pump suppliers, water main repair suppliers, etc.



System Information

- Source
- Treatment
- Distribution



Only the minimum is included in the template, expand and update the ERP as needed

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After Emergency Report

Must be submitted within 90 days

Must contain:

- Discovery
- Cause
- Corrective actions
- How customers were notified
- Area affected
- Duration
- How safe drinking water was provided during the emergency



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Reporting To EGLE

District Emailboxes

1. EGLE-DWEH-Lansing@Michigan.gov
2. EGLE-DWEH-Bay-City@Michigan.gov
3. EGLE-DWEH-Jackson@Michigan.gov
4. EGLE-DWEH-Warren@Michigan.gov
5. EGLE-DWEH-Kalamazoo@Michigan.gov
6. EGLE-DWEH-Grand-Rapids@Michigan.gov
7. EGLE-DWEH-Cadillac@Michigan.gov
8. EGLE-DWEH-Marquette@Michigan.gov



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Questions



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Michigan Department of
Environment, Great Lakes, and Energy

Environmental Assistance Center
800-662-9278
www.Michigan.gov/EGLE



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