

“BRIDGING THE GAP”

1st Responders

&

Public Water Systems

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Division of Drinking and Ground Waters

What should you know?

- Your Public Water Systems Locations & Ph #s
- Source Water (lake, creek, river, well fields)
- Populations Served (100 or 1,000,000?)
- Key Personnel- Owner, Super, Chief Operator
- Other important information? You'll find out when you meet

Why should you know it?

- #1- To be well informed of what's going in your county
- Have the ability to construct a Plan for if there's:
 - No water
 - Limited Water
 - A water contamination or other event
- A Plan involving both parties
 - Public Water Systems
 - County EMAs
- Include each group in your respective Emergency Plans
 - *update plans accordingly*

**Both Parties Working Together
Before the Incident**

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**Being on Same Page During the
Incident**

Vendor Booth Plug

- Free CDs containing...
 - 88 County maps indicating water system locations
 - Link to how to find your county maps with source water protection information
 - Contact information for each system
 - Ohio EPA Division of Drinking & Ground Waters Contact information- District Office #s & 24-hr Hotline
- Cool Magnets
- Brochures
- Neat **Blue bags** w/ our logo- you'll need them
- CANDY!

More on this later



What Events Might Affect a Public Water System?

Event

- Power Outage
- Severe Weather
 - Ice Storm
 - Tornado
 - Electrical Storms
 - Hail
 - Blizzard
- Flood / Drought
- HAZMAT Spill or Other
- Fire
- Pandemic Influenza

Affect

- No Pumping Ability
- Weather Related
 - Pipe Bursts- Frozen
 - Infrastructure Damage
 - Lightning Damage
- Water Quality Issues
- Washed out lines, etc.
- Dry/Low Source- wells, creek, stream
- Limited / No Water
- Contamination Issues?
- Supplies Available
- WATER USE ADVISORIES*



What affects on 1st Responders?

Water Uses

- Fire Suppression- Original reason for pressurized lines
- Safe Drinking Water- staying alive!
- Decontamination- for HAZMAT spill / dilution
- Sanitary Conditions
 - Toilets (DW & WW systems, one relies on the other)
 - Medical Usage- 1st Aid, hospitals, cleaning/laundry
 - Bathing
 - Food Preparation
- Others?

*WATER USE ADVISORIES

- Advise the public of how to use/not use tap water
- Must be issued if water supply is, or is believed to be compromised, by law. Notify public & Ohio EPA.
- Delivery Methods
 - Reverse 911
 - Radio
 - Television
 - Flyers on doors
 - Newspapers
 - Other

WATER USE ADVISORIES

- Reasons for Advisory
 - Pressure drop in system <20 psi, that's the magic #
 - Pipe Break
 - Low Supply
 - Contamination Threat (accidental or intentional)
 - Bacteria
 - Turbidity (cloudiness)
 - Other

Types of Advisories

- **Watering Ban-** “no lawn watering / vehicle washing”
- **Boil Advisory-** “must boil for 2 minutes”, before use
- **No Use Advisory-** “no use what-so-ever”
 - Contaminant could be made airborne
 - Boiling won't help
- **Other Usage Advisories:**
 - ❖ “Nitrate warning”- infants & immune comp'd, don't boil
 - ❖ “Do not drink”- other uses are allowed

Who would be affected if there was no water...?

- 1st Responders
 - County EMAs
 - Fire Fighters
 - HAZMAT personnel
- Everyone else too!

Basic Plan of Action

- Stop by our vendor booth on Tuesday- p/u materials
- Contact & introduce yourself to local water systems, (if haven't done so already) meet regularly
- Talk through scenarios discussed here (and others)
- Keep location & contact information readily available
- Invite water systems to participate in HAZMAT/Spills and Anti-Terrorism drills and exercises
- Include water systems in county plans regarding Pandemic Influenza, and other existing emergency plans- update plans as needed (both parties)

Emergency Response Partners

County EMAs



Public Water Systems

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