

**PENNTEC 2022 ANNUAL CONFERENCE |
SAFETY TECHNICAL PROGRAM**

**IMPLEMENTING EMERGENCY RESPONSE PLANS
JUNE 8, 2022 9:00-9:30 AM**

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Why is an ERP important?

- In an emergency situation, people aren't thinking clearly!
- Need specific procedures to ensure that response doesn't cause further harm.
- Should be reviewed and updated on annual basis at minimum.
 - Review and update must include those responsible for the implementation
 - Updates after an incident
- Training and practice for routine situations and “what if” situations.
 - Private training
 - Table top drills
 - Full-scale exercises

What we're reviewing today!

Emergency Response Plans (ERPs) may not be used frequently, staff looks at it periodically to “update” it. This session is designed to remind attendees the importance of these ideas:

- Tools for keeping the ERP current
- Differences between DEP and EPA requirements
- Tips to make sure plan is implemented as intended.

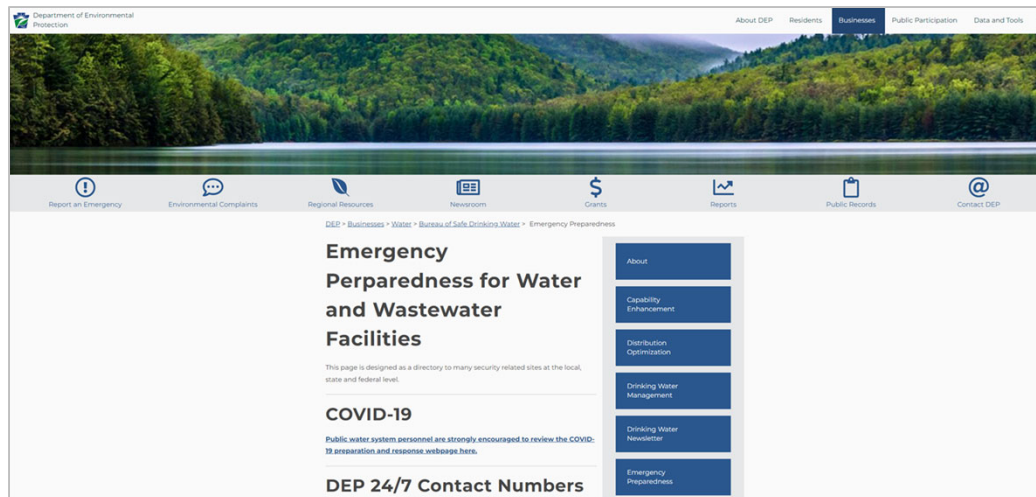


EMERGENCY RESPONSE PLANS – what's new and helpful

DEVELOPING THE EMERGENCY RESPONSE PLAN

PA Department of Environmental Protection

- 25 PA Code Chapter 109.707
- 2014 Template Word document – fill in the blanks
- Instructions provided to organize the ERP and describe each component.



<https://www.dep.pa.gov/Business/Water/BureauSafeDrinkingWater/EmergencyPreparedness/Pages/default.aspx>

DEVELOPING THE EMERGENCY RESPONSE PLAN

PA Department of Environmental Protection

DEP 24/7 Contact Numbers

Public Water Systems should report to DEP within one (1) hour for Tier 1 violations/situations and Tier 2 violations involving an MCL, MRDL or TT violation (refer to Public Notification section for Tier definitions).

[DEP Emergency Response Contact Numbers](#)

Public Notification

The PN rule became effective on May 6, 2002 and was published in Chapter 109 in August 2002. PN requirements were revised to provide for different delivery deadlines of notices based on the persistence of the violations and the seriousness of any potential adverse health effects that may be involved. In 2009, DEP revised the PN Rule to improve the delivery of Tier 1 public notices and the planning requirements under the Operation and Maintenance (O&M) plan and Emergency Response Plan (ERP).

[DEP Public Notification](#)

Emergency Response Template

Emergency Response Plan Template for Water Suppliers (3800-FM-WSFR0300) - Water suppliers can use this template to address all emergency response plan elements required under Chapter 109.707 including new requirements that became effective May 9, 2009 when the PN revisions were published. This template includes eight sections. Print each section to get the entire template.

[DEP Emergency Response Plan](#)

EPA Water Security Site

EPA's site provides information to help drinking water and wastewater utilities: assess and reduce vulnerabilities to potential terrorist attacks, plan for and practice response to emergencies and incidents and develop new security technologies to detect and monitor contaminants and prevent security breaches.

[EPA Water Security](#)

Emergency Preparedness

Filter Plant Performance Evaluation

Operator Certification

Operator Outreach

Partnership for Safe Water

Professional Engineering Services...

Tips

Water Allocation

Noncommunity Water Systems



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

EMERGENCY RESPONSE PLAN FOR

Public Water System Name: _____

Public Water System I.D. No.: [] [] [] [] [] [] [] [] [] []

Address: _____

Telephone No.: _____

Municipality: _____

County: _____

System Type:
(Please Check) Community Nontransient Noncommunity

Population Served: _____

Operation & Maintenance (O&M) Plan Location: _____

Plan Prepared by: _____

Plan Reviewers:

Name Title Date

Name Title Date

Name Title Date

Date Completed: _____ Date Updated: _____

DEVELOPING THE EMERGENCY RESPONSE PLAN

U.S. Environmental Protection Agency

- **2018 America's Water Infrastructure Act (AWIA)**
- Required conducting a Risk & Resilience Assessment for water systems serving >3,300 people.
- R&R assessment completed + certify to EPA by a deadline established by system size.
- Required to follow up with ERP updates within **6 months** of R&R assessment, and also certify to EPA.

EMERGENCY RESPONSE PLAN

Your utility must develop or update an emergency response plan and certify completion to the U.S. EPA **no later than six months** after risk and resilience assessment certification. Each utility deadline is unique; however, the dates below are the due dates for utilities who submit a risk and resilience assessment certification by the final due date according to the population served.

- September 30, 2020 if serving $\geq 100,000$ people.
- June 30, 2021 if serving 50,000 to 99,999 people.
- December 30, 2021 if serving 3,301 to 49,999 people.



Now on 5-year cycle:

September 30, 2025 for >100,000 people

June 30, 2026 for 50,000-99,999 people

December 30, 2026 for 3,301-49,999 people

DEVELOPING THE EMERGENCY RESPONSE PLAN

EPA Resources

- EPA has developed a series of resource pages for water system staff for Risk & Resilience and Emergency Response.

The screenshot displays the EPA website's navigation and content for the 'Route to Resilience' tool. At the top, the EPA logo and 'United States Environmental Protection Agency' are visible, along with a search bar. A blue navigation bar contains links for 'Environmental Topics', 'Laws & Regulations', 'Report a Violation', and 'About EPA'. Below this, the 'Water Resilience' section is highlighted, with a 'CONTACT US' link on the right. A sidebar on the left lists related topics: 'Water Resilience Home', 'America's Water Infrastructure Act Risk Assessment and Emergency Response Plan Requirements', 'Learn about AWIA Section 2018, Spill Notifications', 'Protect Your Local Water Supply', and 'Basics of Water Resilience'. The main content area features the title 'Route to Resilience for Drinking Water and Wastewater Utilities' and a list of links: 'Overview of the Route to Resilience Tool', 'System requirements', and 'Launch the Route to Resilience Tool'. Below the links is an 'Overview' section with a paragraph describing the RtoR web application. To the right, a small image shows a screenshot of the RtoR tool's interface, which includes a 'Resilience Progress' sidebar and a central circular diagram with five icons representing the steps: Assess, Plan, Train, Respond, and Recover.

Water Resilience [CONTACT US](#)

[Water Resilience Home](#)

[America's Water Infrastructure Act Risk Assessment and Emergency Response Plan Requirements](#)

[Learn about AWIA Section 2018, Spill Notifications](#)

[Protect Your Local Water Supply](#)

[Basics of Water Resilience](#)

Route to Resilience for Drinking Water and Wastewater Utilities

On this page:

- [Overview of the Route to Resilience Tool](#)
- [System requirements](#)
- [Launch the Route to Resilience Tool](#)

Overview

EPA's Route to Resilience Tool (RtoR) web application uses brief videos and an easy to navigate interface to guide users through the process of building their own unique Roadmap to Resilience report. The RtoR presents five stops along the "Route" (Assess, Plan, Train, Respond, and Recover) where utility personnel



DEVELOPING THE EMERGENCY RESPONSE PLAN

EPA Resources

Assess



- [Conduct a risk assessment](#)
- [Create Resilient Water Utilities](#)
- [Develop water quality surveillance and response capabilities](#)
- [Adopt cybersecurity best practices and see cyber alerts](#)

Plan



- [Develop emergency response plans](#)
- [Build relationships in your community](#)
- [Access lab resources](#)
- [Build hazard resilience](#)
- [Share resources during an emergency](#)

Train



- [Access the All-Hazards Boot Camp](#)
- [Develop a training and exercise plan](#)
- [Conduct tabletop exercises](#)
- [Find training opportunities](#)

Respond



- [Response On-The-Go Tool](#)
- [Print a checklist to help you respond](#)
- [Monitor severe weather](#)
- [Respond to supply challenges](#)

Recover



- [Find federal funding for your utility](#)
- [Decontamination resources](#)
- [Get reimbursement tips](#)
- [Learn about the Public Assistance Program](#)

Surveillance



- [Learn about water quality surveillance](#)
- [Learn from other utilities](#)
- [Access training resources](#)

DEVELOPING THE EMERGENCY RESPONSE PLAN

Template ERP Plan

- EPA also has a fill-in-the blank document that meets the AWIA requirements.

The screenshot shows the EPA website's navigation bar with the EPA logo and search bar. Below the navigation bar, there are links for 'Environmental Topics', 'Laws & Regulations', 'Report a Violation', and 'About EPA'. The main content area features a 'Related Topics' section with a link to 'Emergency Response for Drinking Water and Wastewater Utilities' and a 'CONTACT US' link. The main heading is 'Develop or Update an Emergency Response Plan' followed by 'Emergency Response Plan (ERP) Template and Instructions'. Below this, it states 'On this page:' and lists two links: 'ERP Template and Instructions for Drinking Water Utilities' and 'ERP Template and Instructions for Wastewater Utilities'. The text explains that an ERP describes strategies, resources, plans, and procedures utilities can use to prepare for and respond to an incident, natural or man-made, that threatens life, property, or the environment. It also mentions that the ERP Template and Instructions PDF document for drinking water and wastewater utilities features an embedded blank ERP template in Word format that can be easily accessed and modified by utility personnel to meet their own water system needs. The EPA welcomes comments on the ERP Template and Instructions, and provides an email address dwersilience@epa.gov for feedback. Finally, it notes that a PDF reader may be needed to view some files on the page and directs users to EPA's [About PDF page](#) for more information.

The screenshot shows a form titled '[CWS Name] Emergency Response Plan' with a section for 'UTILITY INFORMATION'. The form includes a description: 'During an incident, you need to have system information about your water utility readily available for your personnel, first responders, repair contractors/vendors, the media, and other response partner agencies.' Below this is a sub-section 'i. Utility Overview' with the instruction 'Provide basic information about your utility.' The form contains several input fields for utility information, each with a grey box for the user to enter data: 'Utility Information', 'PWSID', 'Utility name and address', 'Owner', 'Directions to utility from major roadway, include lat./long. coordinates', 'Total population served and total service connections', 'Name, title, phone number of primary contact (e.g., ERP Lead)', 'Alternate contact', and 'Location of treatment, distribution, collection schematics and operation manuals'. At the bottom, there is a checklist titled 'Use this checklist to ensure the following additional utility information (as applicable) is included as a part of your ERP.' The checklist items are: 'Map of distribution systems', 'Pressure boundary map', 'Process flow diagram', 'Site plans and "as built" drawings for the following components of your system (as applicable):' (with sub-items: 'Pumping and storage facilities', 'Reservoir facilities', 'Water treatment facilities', 'Chemical storage locations', 'Booster pump stations', 'Pressure-regulating valve (PRV) sites'), 'Distribution system diagrams and instrumentation information', 'Equipment specifications and operation instructions', 'Emergency power and light generation operation specifications', 'Supervisory Control and Data Acquisition (SCADA) system operation instructions', and 'Communications systems operation instructions'. The page number 'Page 1 | Emergency Response Plan' is visible at the bottom.

DEVELOPING THE EMERGENCY RESPONSE PLAN

EPA Resources

Assess



- [Conduct a risk assessment](#)
- [Create Resilient Water Utilities](#)
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Plan



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- [Access lab resources](#)
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- [Share resources during an emergency](#)

Train



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Respond



- [Response On-The-Go Tool](#)
- [Print a checklist to help you respond](#)
- [Monitor severe weather](#)
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- [Find federal funding for your utility](#)
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Surveillance








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DEVELOPING THE EMERGENCY RESPONSE PLAN

EPA Resources

 **EPA** United States Environmental Protection Agency



[Environmental Topics](#)  [Laws & Regulations](#)  [Report a Violation](#)  [About EPA](#) 

Related Topics: [Emergency Response for Drinking Water and Wastewater Utilities](#) [CONTACT US](#)

Incident Action Checklists for Water Utilities

Drinking water and wastewater utilities can use these twelve "rip & run" style checklists to help with emergency preparedness, response and recovery activities.

- [Wildfire Incident Action Checklist \(pdf\)](#) (3/2/22, 817-F-22-001)
Provides information on preparedness and response actions water utilities can take in a wildfire incident.
- [Pandemic Incident Action Checklist \(pdf\)](#) (3/26/2020)
Provides preparedness, response and recovery actions water utilities can take during a pandemic incident.
- [Power Outage Incident Action Checklist \(pdf\)](#) (09/23/21, 817F21008)
Provides preparedness, response and recovery actions water utilities can take in a power outage.
- [Harmful Algal Bloom Incident Action Checklist \(pdf\)](#)
Provides information on preparedness and response actions water utilities can take during a harmful algal bloom incident.
- [Cybersecurity Incident Action Checklist \(pdf\)](#)
Provides preparedness, response and recovery actions water utilities can take in a cybersecurity incident.
- [Extreme Cold and Winter Storms Incident Action Checklist \(pdf\)](#)
Provides information on preparedness and response actions water utilities can take in extreme cold and winter storms.
- [Earthquake Incident Action Checklist \(pdf\)](#)
Provides information on preparedness and response actions water utilities can take in an earthquake.
- [Drought Incident Action Checklist \(pdf\)](#)
Provides information on preparedness and response actions water utilities can take in a drought.

DEVELOPING THE EMERGENCY RESPONSE PLAN

Checklist Example

Actions to Prepare for a Power Outage



Planning

- Create and maintain an emergency response plan and a business continuity plan for all critical system components.
- Develop plans that specifically address actions to be taken during power outages; plans should address both short-duration and long-duration outages.
- Develop and issue standard operating procedures to manage power outages.
- Know your system; have a plan for stationary and portable generators. Make sure, if possible, that generators are pre-staged at locations when an event can be expected to potentially affect one or more of your stations.
- Develop roles and responsibilities for staff before, during and after a power outage, including appropriate communication protocols.

Coordination

- Get to know key staff at your electric utility, especially your designated account representative, if assigned one. Learn if circuits (e.g., power transmission lines or electric service area zone) serving your utility are in high risk fire areas, such as in the western states.
- Obtain 24/7 emergency contact information for your electric utility and local emergency management agency and plan together for power outage events.

- Determine where your treatment facility and key pumping stations rank on the prioritization list for power restoration. Try to get as high on the list as possible by making sure the list manager understands the reliance of the community (e.g., fire protection, hospitals, shelters and sensitive populations) on drinking water and wastewater services.
- Make sure your electric utility has the actual street addresses and locations of your treatment facilities and pumping stations. In case street signs are damaged or lost, also include latitude and longitude positions. Decimal latitude/longitude positions should be recorded with a value six digits to the right of the decimal point.
- Learn what alternative communication methods (e.g., 2-way radios, ham radio operators, satellite phones) are available in your community.
- Join your state's Water and Wastewater Agency Response Network (WARN).
- Develop an approved notification procedure for communicating boil water advisories, water use restrictions and other information to customers during a power outage (e.g., precautionary boil water notices, reverse 911).
- Develop standard written notification templates to quickly send alerts in emergencies. Ensure customer information is regularly updated.
- Participate in local, state and federal emergency preparedness exercises.

Actions to Recover from a Power Outage



Coordination

- Check with your electric utility to make sure that all three phases of power are available before switching back to grid power. When power is restored, not all three phases may be initially available, which can damage three-phase equipment.
- Follow set procedures for taking your facilities off generator power and back onto grid power.
- Conduct an after-action discussion with utility staff to identify portions of the response that went well and areas for improvement.
- Share key after-action items and lessons learned with your electric utility provider, emergency management agency and other response partners (e.g., fuel vendors).

Notifications

- Revise or lift (as applicable) any water use advisories that were put in place during the outage.
- Update your status with your regulatory or primacy agency and your local emergency management agency.
- Notify utility staff that any energy consumption restrictions that may have been put into place are now lifted.

Generators

Fuel

- Clean tanks as necessary and polish on-hand fuel supply as time allows.
- Refill tanks as necessary. Stabilize fuel.
- Establish new fuel vendor contracts as applicable.
- Assess your on-site fuel storage and adjust as necessary.

Documentation

- Compile damage assessment forms and cost documentation into a single report to facilitate the sharing of information and the completion of state and federal funding applications. Visit EPA's web-based tool, [Federal Funding for Utilities—Water/Wastewater—in National Disasters](#) (Fed FUNDS), for tailored information and application forms for various federal disaster funding programs.
- Develop a lessons learned document and/or an after action report (AAR) to keep a record of your response activities. Update your risk assessment, emergency response plans and contingency plans.

Notes:

DEVELOPING THE EMERGENCY RESPONSE PLAN

Local Emergency Planning Committees



- AWIA also amended the Emergency Planning and Community Right-to-Know Act (EPCRA).
- The revisions basically require that community water systems receive prompt notification of any reportable release of hazardous substances that potentially affect their source water, and have access to Tier II information (i.e., hazardous chemical inventory data).
- Tier II reports are provided to the Local Emergency Planning Committees in their county. LEPCs are under the jurisdiction of the county Department of Emergency Services/EMA.
- Water systems are encouraged to coordinate with LEPCs to update their ERPs.

DEVELOPING THE EMERGENCY RESPONSE PLAN

Integrating DEP and EPA Elements

- Checklist to include both DEP and EPA requirements.

DEP Template Sections	Present in Existing ERP?	Present in Existing ERP?	EPA Template Sections
Utility Information (Name, ID, Location, Population Served)			Utility Information (Name, ID, Location, Population Served)
Plan Preparers and Reviewers			Plan Preparers and Reviewers
			Plan Distribution
			Change History
			Checklist for Attaching Additional Utility Information
			Full Personnel List (Name, Position, Contact)
Personnel in Charge During Emergency (Name, Position, Contact)			Internal Personnel in Charge During Emergency (Name, Responsibilities, Contact Info)
Who to Contact Based on Potential Emergency Situations - Chart			
Government Agencies Contact Info			External Partners in an Emergency (Name, Responsibilities, Contact Info)
System Equipment Contact Info			
System Chemical Contact Info			
Mutual Aid Agreements			
Local Customers Contact Info			
Industrial/Commercial Customers Contact Info			Critical Customer Contact List
Media Contact Info			Critical Customer Contact List
Lines of Communication and Instructions			Media Contact Info
Locations of Communication Equipment			Communication Equipment Inventory (Type and Location)
Location of Pertinant Operational Info (Separate templates for this)			Public Notification Template
Source Information (Wells and Pumps)			Source Information (Wells, Intake, Treatment Plants)
Treatment Information (Location and Storage of Chemicals)			Treatment Information (Location and Storage of Chemicals)
Potential Sources of Contamination Nearby			List Nearby Industry Chemical Handling and Storage Facilities
Finished Water Storage Info			Finished Water Storage Info
			Distribution Information
			Safety Materials and Information
System Demand			
Procedure to Provide Reserve Capacity of Alternate Water Supply			Emergency Alternate Drinking Water, Source Water, and Interconnected Utilities
Power Supply Equipment			Response Resources and Core Response Procedures
Repair Equipment Available			Response Resources
Spare Equipment for the Source Water			
Spare Equipment for Distribution			
Spare Equipment for Treatment			
Vehicles and Construction Equipment			
			List of Key Local Services that may be needed in an Emergency
			Incident-Specific Response Procedures
Description of Corrective Actions for Probable Emergencies			Core Response Procedures (Access, Physical Security, Cybersecurity, Power Loss)
			Core Response Procedures (Sampling Analysis, Laboratory Contacts)
			Family and Utility Personnel Well Being
			Other Mitigation Actions
			Detection Strategies

DEVELOPING THE EMERGENCY RESPONSE PLAN

Integrating DEP and EPA Elements

- Ensure there is one central location for Contact Information that is referenced throughout the Plan.
- Include a copy of standard responses at each asset, with equipment and supplier information for easy access.
- Convert all scans or PDF documents to Word format for future updates.
- Utilities should ensure that more than one person is familiar with the Plan, and have back-up copies available in multiple locations.
- Include in the Plan a list of locations for other pertinent information on the water system.
- Review any final reports from emergency occurrences and ensure the outlined procedures were followed. Update the Plan with any additional or alternate steps that were taken.

DEVELOPING THE EMERGENCY RESPONSE PLAN

Integrating DEP and EPA Elements

- Emergency Response Plan does not need to be uploaded or submitted. Only online certification with AWIA is required. Link:
<https://encromerr.epa.gov/registrationrequest/OW--AWIA--Certifying%20Official%20-%20Emergency%20Response%20Plan?theme=awia>
- Must be registered for an EPA Shared CROMERR Services (SCS) account.
- You will receive a confirmation email once certification is finalized.
- Allows access to certification submission history.

IMPLEMENTING EMERGENCY RESPONSE PLANS

IMPLEMENTING THE EMERGENCY RESPONSE PLAN

EPA Resources

Assess



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IMPLEMENTING EMERGENCY RESPONSE PLAN

National Incident Management System (NIMS)

- FEMA – Federal Emergency Management Agency – has allowed PADEP to sponsor online training for Waster/Wastewater Incident Command certification.
- Incident Command Systems trains staff in managing small or large emergency and non-emergency situations.

The screenshot displays the PADEP website's navigation and content. The top navigation bar includes 'Department of Environmental Protection', 'About DEP', 'Residents', 'Businesses', and 'Public Participation'. A secondary navigation bar features icons for 'Report an Emergency', 'Environmental Complaints', 'Regional Resources', 'Newsroom', 'Grants', 'Reports', and 'Public Records'. The main content area shows a breadcrumb trail: 'DEP > Businesses > Water > Bureau of Safe Drinking Water > Operator Certification > Training > NIMS Training'. The primary heading is 'NIMS Training', followed by the sub-heading 'How to Receive Credit for a NIMS Course:'. The text explains that PADEP has received permission from FEMA to sponsor online independent study NIMS courses. A list of five courses is provided with external links: 'IS - 100.C Introduction to the Incident Command System', 'IS - 200.C ICS for Single Resources and Initial Action Incidents', 'IS - 700.B An Introduction to the National Incident Management System', 'IS - 800.C National Response Framework, An Introduction', and 'IS - 907 Active Shooter: What You Can Do'. A note at the bottom states, 'Please be aware the IS program now requires a FEMA Student Identification'. On the right side, a vertical menu contains five items: 'Continuing Education', 'DEP Classroom Training', 'Department Training Modules', 'NIMS Training', and 'Operator Security Training Course'.

Department of Environmental Protection

About DEP Residents **Businesses** Public Participation

Report an Emergency Environmental Complaints Regional Resources Newsroom Grants Reports Public Records

DEP > Businesses > Water > Bureau of Safe Drinking Water > Operator Certification > Training > NIMS Training

NIMS Training

How to Receive Credit for a NIMS Course:

PA DEP has received permission from FEMA to sponsor the following online independent study NIMS courses to be used toward both drinking water and wastewater certifications. Click on each course title to link to the course on FEMA's site:

- [IS - 100.C Introduction to the Incident Command System](#)
- [IS - 200.C ICS for Single Resources and Initial Action Incidents](#)
- [IS - 700.B An Introduction to the National Incident Management System](#)
- [IS - 800.C National Response Framework, An Introduction](#)
- [IS - 907 Active Shooter: What You Can Do](#)

Please be aware the IS program now requires a FEMA Student Identification

Continuing Education
DEP Classroom Training
Department Training Modules
NIMS Training
Operator Security Training Course

IMPLEMENTING THE EMERGENCY RESPONSE PLAN

EPA Resources

Water Utility Response On-the-Go App



The screenshot shows the EPA website page for the Water Utility Response On-the-Go Mobile Application. The page features the EPA logo and navigation menu at the top. The main heading is "Water Utility Response On-The-Go Mobile Application". Below the heading, there is a section titled "Install the Response On-The-Go App on your Apple or Android Mobile Device". The text describes the app's purpose and benefits. A list of features is provided, and a section titled "Get started by downloading the FREE Response On-The-Go App:" includes a numbered step: "1. Navigate to the [App Store](#) EXIT or [Google Play Store](#) EXIT on your mobile device". A video player titled "Response On-The-Go Video" is also visible, with a link to "Watch the Response On-The-Go Overview Video" and an "EXIT" button.

United States Environmental Protection Agency

Search EPA.gov

Environmental Topics ▾ Laws & Regulations ▾ Report a Violation ▾ About EPA ▾

Related Topics: [Emergency Response for Drinking Water and Wastewater Utilities](#) CONTACT US

Water Utility Response On-The-Go Mobile Application

Install the Response On-The-Go App on your Apple or Android Mobile Device

The Water Utility Response On-The-Go App consolidates and makes accessible from the field, information and tools that water utility operators and their response partners may need during an emergency. Downloading Response On-The-Go can help responders and stakeholders increase situational awareness, facilitate coordination, and enhance overall response efforts.

The App allows users to:

- Identify and contact emergency response partners
- Monitor local and national severe weather
- Review and complete incident-specific checklists
- Populate, save and email damage assessment forms with photo attachments
- Access Incident Command System procedures and resources

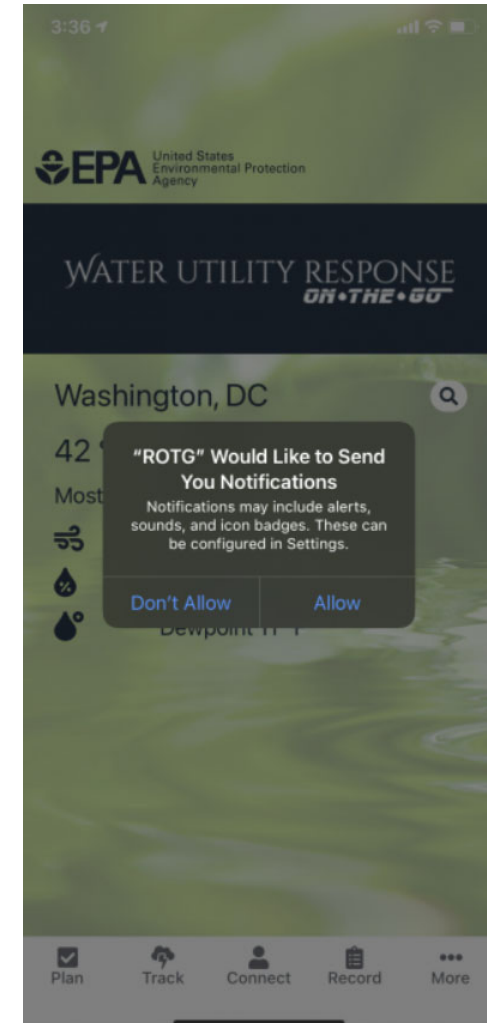
Get started by downloading the FREE Response On-The-Go App:

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Response On-The-Go Video

[Watch the Response On-The-Go Overview Video](#)

EXIT

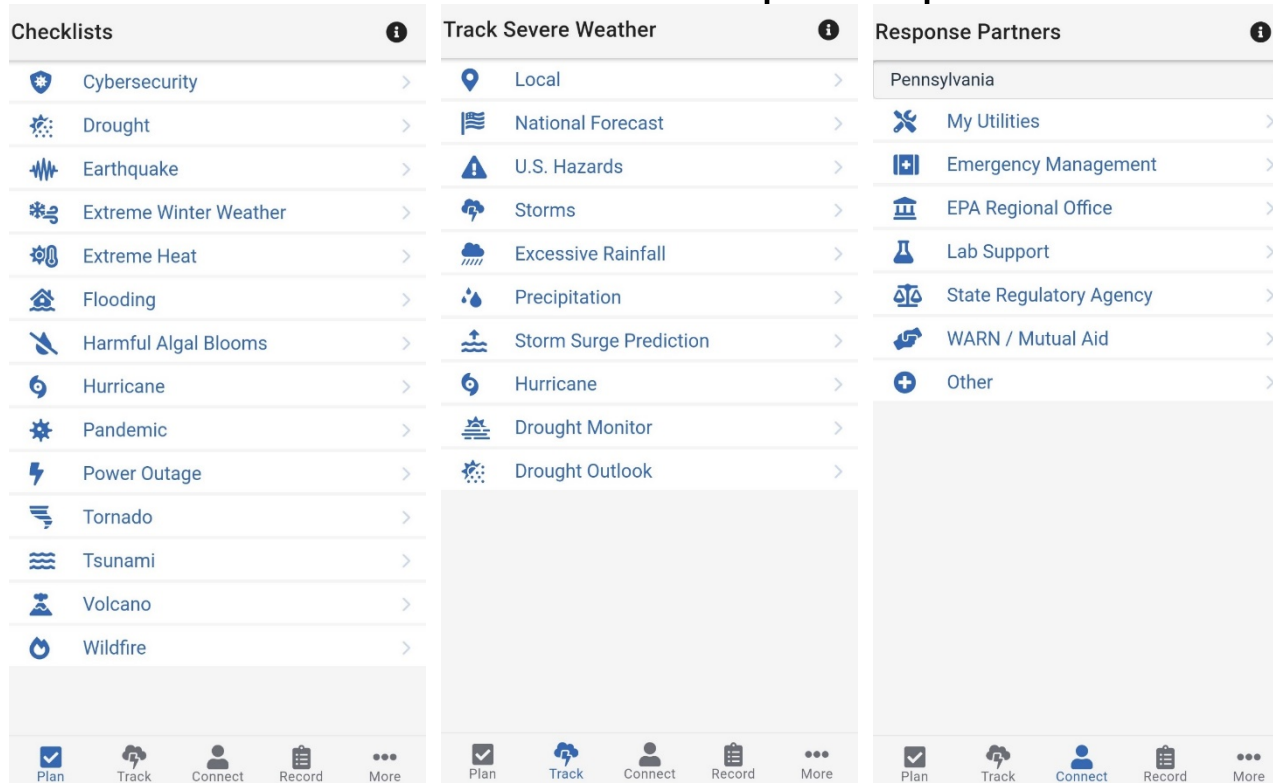


IMPLEMENTING THE EMERGENCY RESPONSE PLAN

EPA Resources

Water Utility Response On-the-Go App

- Checklists for preparation, response, and recovery actions.
- Live tracker and links for weather events and hazards.
- Accessible contact information for response partners and utilities.



IMPLEMENTING THE EMERGENCY RESPONSE PLAN

EPA Resources

Water Utility Response On-the-Go App

- Locally stored small-scale utility assessment, with photos.

← New Assessment

ASSESSMENT MEDIA

Site Name:

Time:

Friday, May 13, 2022, 10:27:12 AM

Assessor:

Organization:

Latitude: Longitude:

Type of System:

Drinking Water System

Wastewater/Stormwater System

Asset Type:

Plan Track Connect Record More

← New Assessment

Asset Type:

Asset Description:

Operational Status:

Operational

Partially Operational

Non-Operational

Threatened

Power Status:

Normal/Grid

Backup/Generator

No Power

Structural Damage/Threat:

Plan Track Connect Record More

← New Assessment

Structural Damage/Threat:

Electrical Damage/Threat:

Mechanical Damage/Threat:

Resource Needs:

Cost Estimate:

0

Other Notes:

Plan Track Connect Record More

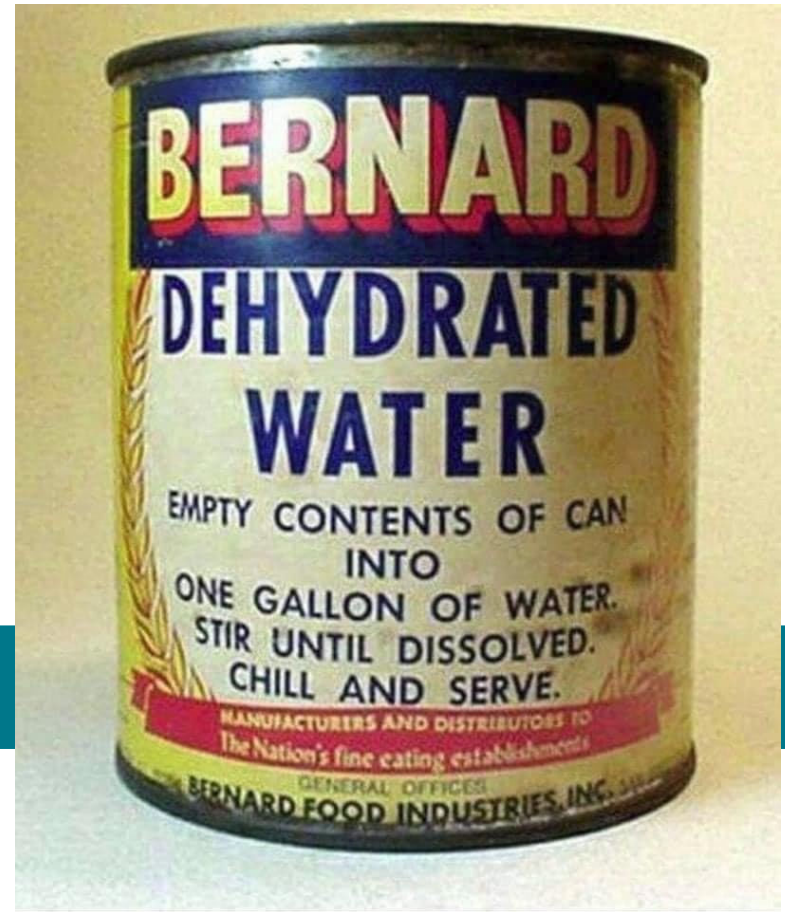
IMPLEMENTING EMERGENCY RESPONSE PLAN

Keeping Up - ERP Maintenance

Reasons why the ERP should be reviewed annually:

- Life changes quickly – “that won’t happen”, until it does.
- Unforeseen situations arise – the pandemic lockdown.
- Personnel changes – retirements, resignations – new staff need to be informed on responses and their roles in an emergency.
- Conditions change – supply chain, shortage issues.

STORIES TO SHARE? QUESTIONS?



Thanks for joining us!

Download the slides at ssmgroup.com



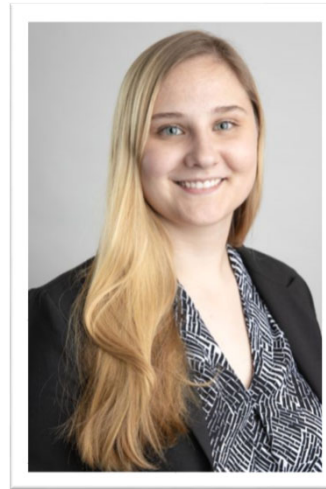
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