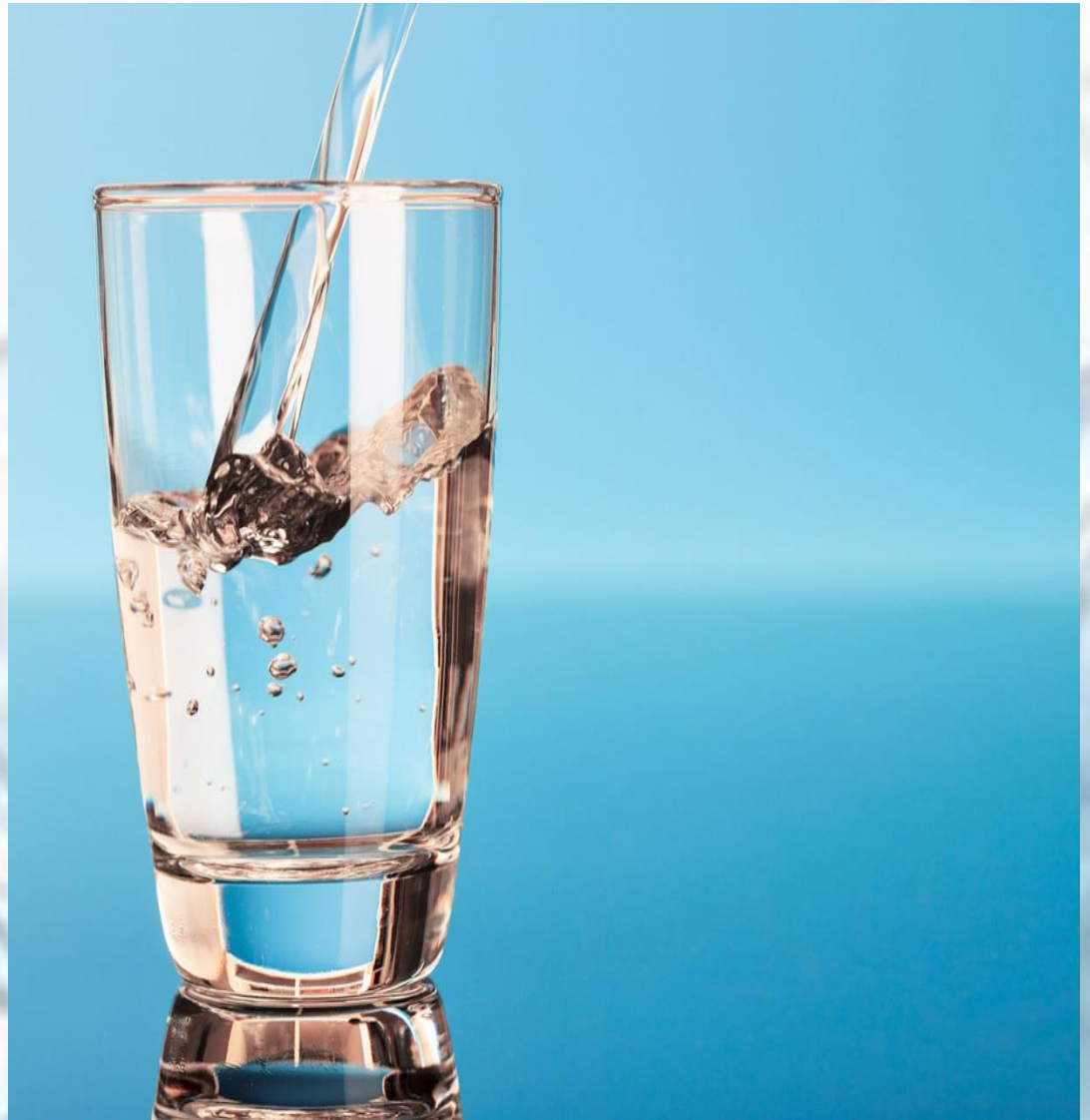


Emergency Response Plan (ERP)



A Community Water System (CWS) is responsible for providing safe and reliable water.

- Provide enough water to meet daily demand.**
- Provide water that is free of disease causing organisms and toxic substances.**





30" water main under Sunset Blvd in California

Natural Disaster



Terrorist Attack



SDWA Sec. 1433 (b)

(b) EMERGENCY RESPONSE PLAN.—Each community water system serving a population greater than 3,300 shall prepare or revise, where necessary, an emergency response plan that incorporates the results of vulnerability assessments that have been completed.

Resources for Developing an ERP.

- **Rural Community Assistance has developed an ERP guidance document for CWS serving a population of 3,300 or less.**
- **EPA has an ERP guidance document for CWS serving populations of 3,301 to 99,999.**
- **EPA also has an ERP guidance document for CWS serving a populations greater than 99,999.**

Vulnerability Assessment

(a) Vulnerability Assessments

Each community water system serving a population of greater than 3,300 persons shall conduct an assessment of the vulnerability of its system to a terrorist attack or other intentional acts intended to substantially disrupt the ability of the system to provide a safe and reliable supply of drinking water.

Eight Core Elements

- **System specific information**
- **CWS roles and responsibilities**
- **Communication procedures**
- **Personnel safety**
- **Identification of alternate water sources**
- **Replacement equipment and chemical supplies**
- **Property protection**
- **Water sampling and monitoring**

System Specific Information

- **Basic technical information will need to be readily available for personnel, first responders, repair contractors/vendors, and media.**
- **i.e. Maps, location of critical documents, plans and drawings, site plans, source water location, and operation manuals.**

CWS Roles and Responsibilities

- **An Emergency Response Lead (ER)**
 - **Decision maker**
 - **Main point of contact**
- **Alternate ER Lead**
 - **Alternate ER Lead should be available when the ER Lead is not**
 - **These two need to be reachable 24hr/day**

Communication Procedures

- **Three types of communication list**
 - **Internal Staff**
 - **External Non-CWS personal**
 - **Public and Media**

Personnel Safety

- **This section should provide direction on how personnel should safely implement a variety of response actions.**
- **i.e. evacuations planning, assembly areas, shelter, emergency equipment, and first aid.**

Identification of Alternate Water Sources

- **Short-term**
 - Hours to day
- **Long-term**
 - Weeks to months
- **Location and capabilities of other regional CWS, including available excess capacity or ease of connection to your distribution system.**

Replacement Equipment and Chemical Supplies

- **Identify equipment that can significantly lessen the impact of a major event.**
 - **i.e. pumps, generators, disinfection equipment and sampling equipment.**
- **Maintain an updated inventory of current equipment, repair part, chemical supplies.**

Property Protection

- **Lock down procedures**
- **Access control procedures**
- **Establishing a security perimeter**
- **Evidence protection measures**
- **Securing building and infrastructure against forced entry**

Water Sampling and Monitoring

- **Water sampling and monitoring should be addressed as soon as access is available**
- **A special sampling and monitoring plan should be developed**
- **Proper sampling procedures for different types of contaminants**
- **Obtaining enough sampling containers**
- **Pre-determine sampling quantity**
- **Identify who responsible for taking samples**
- **Confirm a laboratory capabilities and certifications.**

ERP Activation/Action Plans

- **Knowing when to activate or set your ERP is as important as having a prepared documented ERP.**
- **Activation of an ERP should include both major disasters and terrorist attacks.**

Event to may cause Activation

- **Security Breach**
- **Witness Account**
- **Unusual Water Quality**
- **Consumer Complaint**
- **Public Health Notification**

Three questions to Ask

- **Is the threat possible?**
- **Is the threat credible?**
- **Has the incident been confirmed?**

Action Plans (AP)

- **AP are tailored ERPs that address specific major events.**
- **AP describe actions needed to be taken for events that you think might occur based off the VA.**

An AP should include

- **Any special notification requirements**
- **Recovery actions to bring CWS back into operation.**

Next Steps

- **Putting all you core ERP elements into a single comprehensive plan.**
- **Single comprehensive ERP document**
 - **Overall ERP polices**
 - **General ERP procedures**
 - **Any mutual aid agreements**
 - **Reference documents**
 - **Action Plans**

ERP Certification

- **Required under the Bioterrorism Act you must submit a written certification stating that the plan has been completed.**
 - **Do not submit a copy of the ERP.**
 - **You also must maintain a copy of your ERP for five years.**

7 Easy Steps to Submitting Your ERP Certification

- 1. Use the Standardized ERP Certification Form.**
- 2. Sign the ERP Certification Form.**
- 3. Keep Photocopy of your ERP Certification.**
- 4. Keep your Emergency Response Plan.**
- 5. Use Two Envelopes to Maintain Security and Confidentiality when mailing your submission.**
- 6. Use a Courier and Get a Receipt.**
- 7. Use the Proper Courier Delivery Address.**

- http://www.epa.gov/watersecurity/pubs/seven_easy_steps.pdf

ERP Certification

**U.S. Environmental Protection Agency
Water Resources Center (WSD-RAR)
Room 1119 Constitution Ave., NW
Washington DC 20004**