



Indian River County, Department of Utility Services

»»» AWIA Risk and Resilience Assessment and Emergency Response Plan Update Services



America's Water Infrastructure Act (SDWA 1433)

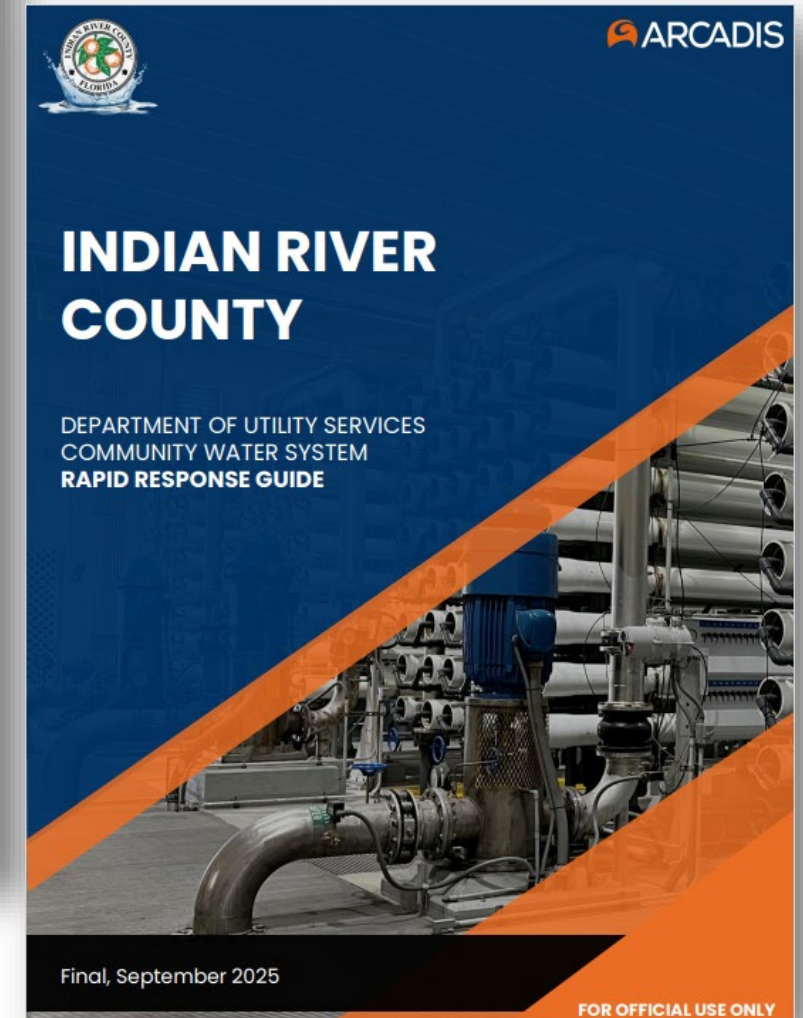
Mandates **water systems** serving **>3,300** to:

1. Update **Risk and Resilience Assessment (RRA)** of the risks to, and resilience of, its water system
2. Update **Emergency Response Plan (ERP)**

Note: Required update every five years

Certification Deadlines:

RRA: March 31, 2025 ERP: September 30, 2025



IRCDUS Certified Final ERP on September 19th, 2025

Emergency Preparedness

Aligns with.....

- Local, state, and federal standards
- Federal Emergency Management Agency (FEMA) guidelines
- Department of Homeland Security (DHS) guidelines
- Indian River County Department of Emergency Services plans
- IRCUDUS response plans and procedures
- US Environmental Protection Agency (EPA) guidance
- Safe Drinking Water Act (SDWA) Section 1433 requirements



What is an ERP?

This plan is used by **IRCDUS** to enable **activation and operations** of **the water system** during times of **emergencies/disasters**, including:

- Roles and responsibilities of IRCDUS and stakeholders
- Monitoring, activation, implementation, and administration
- Operations, response, and recovery actions
- Support and coordination of resources

SDWA Requirements

Strategies and resources to improve the resilience of the system
Response plans and procedures
Actions, procedures, and equipment which can lessen the impact of a threat or hazard
Strategies to support detection of malevolent acts or natural hazards
Coordinate with local emergency planning committees (LEPCs)



**Describe WHO
does WHAT...**

(but not the HOW)

**....Focus on
strategies &
resources**

(reference SOPs & other plans)

Emergency Response Plan



ERP meets USEPA guidelines



Includes RRA Findings
- Risks
- Mitigation



Specific Requests from staff to enhance the plan



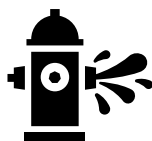
Emergency Contacts



Evacuation Maps & Assembly Areas



Resources



System Description and Assets



Hazard/Incident-Specific Response Procedures



Incident Lessons Learned

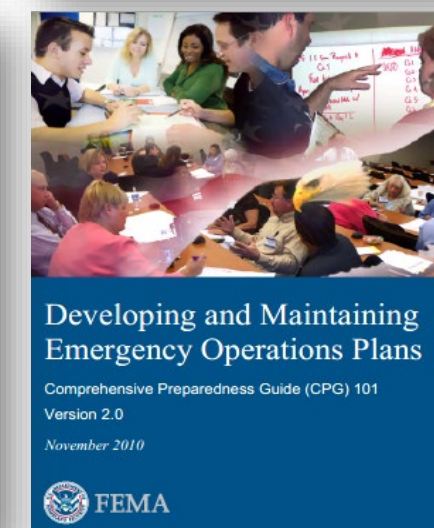
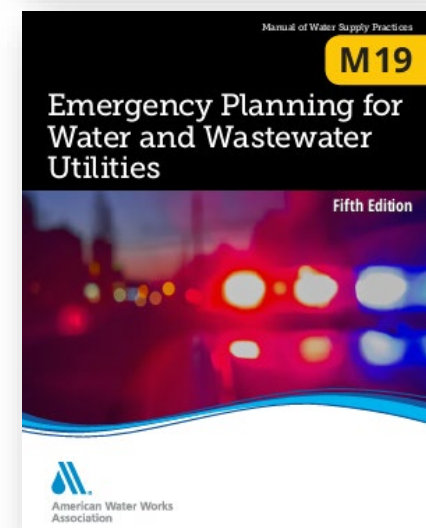
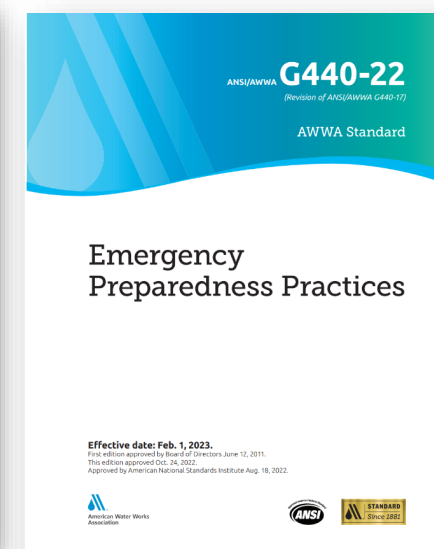
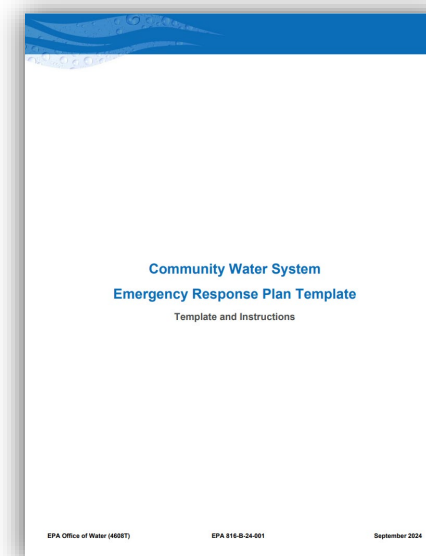
ERP Structure

Guidance

- US EPA Large System ERP Template
- American Water Works Association (AWWA) G440 – Emergency Preparedness
- AWWA M19 – Emergency Preparedness and Response
- FEMA Comprehensive Preparedness Guide 101 (CPG-101)

Approach and Content

- ERP focuses on an all-hazards approach – Addresses natural hazards, malevolent acts, accidents, technological events
- Addresses and incorporates Risk and Resilience Assessment (RRA) results and mitigation measures



ERP Content

Base Plan

Introductory Pages	Sections	Appendices	Rapid Response Guide
1. Handling and Open Records Information 2. AWIA Certification Statement 3. Approval Page 4. Compliance Crosswalk 5. Revision Log 6. Distribution List	1. Introduction 2. Concept of Operations 3. Emergency Resources 4. Recovery Phase 5. Communications and Reporting 6. Emergency Procurement and Reimbursement 7. Detection Strategies 8. Mitigation Actions 9. Training and Exercise Program	A. IRCDUS Contact Lists B. Evacuation Maps C. Incident-Specific Response Procedures (ISRPs) D. Generator, Equipment and Inventory Lists E. IRCDUS Forms F. Incident Command System (ICS) G. Training and Exercise Guides H. Recovery Phase I. ERP Documentation (LEPC, and others) J. Acronyms K. References and Resources	1. Initial Response Actions 2. Emergency Contact List 3. Emergency Operations Centers 4. Emergency Action Levels 5. Incident Management Team 6. Key System Information 7. Key System Diagrams 8. All Hazards Incident Response Flow Diagram 9. Water System Generator List

Tabletop Exercise (TTX)

- Tested ERP and Rapid Response Guide
- Designed a realistic scenario of a Hurricane and HAZMAT release with IRCDUS planning team
- Followed Homeland Security Exercise and Evaluation Program (HSEEP) guidelines
- Included an After-Action Report (AAR) and a Review Meeting
- The Final ERP incorporated AAR lessons learned **(SUCCESS!!)**



Questions
Thank you for your time