



How Secure Are Your Water Utilities?

What is a vulnerability Assessment?

ENVIRONMENTAL SECURITY INTERNATIONAL

With Over forty years of combined experience, the management team of ESI has directed hundreds of investigations and assessments. ESI experts have conducted vulnerability assessments and environmental management reviews for publicly owned treatment works and municipal drinking water systems with leaders in security, water systems engineering, and strategic environmental management.

- Specialize in investigations and vulnerability assessments
- Assist regulated entities in preventing harm and avoiding liability
- Design and Enhance Environmental Management and Security Systems
- Assist organizations in achieving their environmental performance and security goals

A vulnerability assessment is a systematic analysis used to determine the risks posed to the operations of water supply, treatment, and distribution systems

ESI provides Vulnerability Assessments that include:

- Site and Facility Analysis with Critical Security Recommendations
- Operational and Hazardous Materials Controls
- Computer Network and SCADA Vulnerability Assessment
- Environmental Management Review and System Gap Analysis
- Proven technologies for integrating environmental and security management that pay for themselves with increased efficiency, natural resource, labor, and energy savings

Methodologies and expertise that meet or exceed assessment standards and security guidelines required for federal grants

What we can do for you!

The goal of our team is to meet your security needs and reduce vulnerabilities. We will serve you by:

- Assessing potential threats to your water utility
- Making practical recommendations based on relative risks
- Train your employees in implementing the utility's emergency plans and handling hazardous materials as part of an Environmental Management and Security System



Minimize your risk.

Environmental Security International (ESI) has a team of experts that deal with such external and internal threats as:

- Biological and chemical agents in the water
- Transportation and storage of hazardous material
- Fatal Flaw analysis of facility security

Environmental Security International

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Our Vulnerability Assessments Provide

These components of our Vulnerability Assessments provide security and safety for your continued operation as a wastewater treatment works or a drinking water provider

1. PRIORITIZING RISKS TO THE WATER SYSTEM:

- Attack on public safety via water utility assets
- Contamination of the water supply, chemical releases, theft, or shut down

2. DEFINING HOW HOSTILE ACTS MIGHT BE CONDUCTED:

- Physical Damage
- Chemical, biological, and radiological contamination
- Infrastructure disruptions (e.g., power, pipelines, transportation, internet)

3. ASSESSING THE LIKELIHOOD OF HOSTILE ACTS FROM DEFINED THREAT SOURCES

- Terrorist, insider, vandal

4. DETERMINING CRITICAL ASSETS IN WATER SYSTEM:

- Details their interrelationships with other assets in the system
- Identifies consequences of malevolent acts directed against them
- Evaluates the effectiveness of current and proposed management systems

5. IDENTIFYING VULNERABILITIES:

- Provide a prioritized plan for security upgrades, operational procedures, and policy changes based on identified risks to assets.

6. PROTECTING MISSION CRITICAL ASSETS AND SYSTEMS

- Design appropriate and cost effective security measures and defenses

We at ESI understand how important it is to reduce risk and maintain security while integrating environmental technology. Our security and Environmental Assessment team can:

- Enhance the security of your organization's SCADA from cyber-threats
- Provide measurable risk reduction, environmental security, and cost savings
- Achieve savings in natural resources and energy consumption
- Minimize pollution liabilities and inefficiencies in your systems

- Simple and inexpensive upgrades to the facility
- Additional training in specific areas
- Upgrades in monitoring and facility design
- Improvements in environmental and security management

Our team remains available to offer additional information on recommendations and assistance with the training program and system enhancements.

Our assessment will also include an Emergency Operations and Business Continuity Plan

ESI's security partner, Electronic Warfare Associates (EWA), has provided technology and services to all of America's armed forces and intelligence services, EWA works with ESI to provide levels of protection to critical environmental and utility infrastructure