
INFORMATIONAL WEBINAR

Getting to Know WaterISAC

September 14, 2023



AGENDA

- Welcome and Intros
- Policy Updates
- Cyber & Physical Threat Briefing Updates
- All Items WaterISAC
- H2OSecCon 2023
- Member Portal Information

DON'T FORGET!

We are recording and
the Q&A box is open
at all times!

WHO WE ARE

The [Water Information Sharing and Analysis Center](#) (WaterISAC) is the only all-hazards security information source for the water and wastewater sector. We now serve over 520 member companies and utilities with 3,500+ active water sector personnel. Our utility members provide water and wastewater services to Americans across the nation.

- Formed over 20 years ago by the sector's leading national associations at the urging of the White House, FBI, and EPA.
- Maintain two-way communication with DHS, FBI, EPA, fusion centers, and other federal, state, and local agencies in order to help protect and share information.
- Work to advance the security of the sector through critical and direct participation of industry meetings and working groups.



HOW IT WORKS

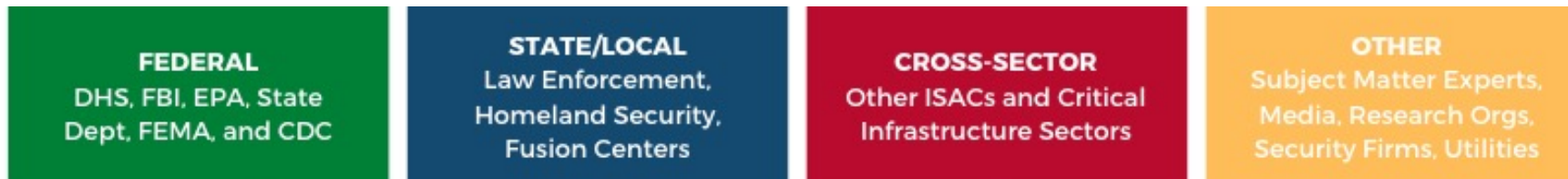


POLICY UPDATES

- Cybersecurity reviews in Public Water System Sanitary Surveys
- CIRCIA and cyber incident reporting requirements
- Prospects for broader cybersecurity legislation targeting drinking water systems.
- The Water System Threat Preparedness and Resilience Act to support WaterISAC participation.

CYBER THREATS & VULNERABILITIES

We track cyber threats, vulnerabilities, risks, and resilience resources so you don't have to hunt them down.



For your one-stop shop, WaterISAC provides:

- **Security & Resilience Update (SRU)** and other items of interest in our **Resource Center**
 - Member (anonymous) and other sector-relevant incident reports
 - Most relevant active and emerging threats, risks, and vulnerabilities
 - Notable cyber resilience resources
 - CISA ICS Vulnerability Advisories and Alerts, Updates, and Bulletins (IT and OT)
 - Industry trend or deep-dive reports
 - “Boutique” intelligence reporting from Flashpoint
 - Supplemental Cyber Highlights on other items for awareness
- *We take requests...*



CYBER THREATS, VULNERABILITIES & OTHER REPORTING

Examples of recent cyber activity WaterISAC reports on (in the SRU or email):

- Member Incident Reports:
 - DocuSign Impersonated Email Leads to Utility's Spoofed Login Portal
 - (TLP:GREEN) Water Utility Shares Credential Compromise Incident
- Threat Awareness – Phishing Campaign Observed Utilizing Microsoft Teams to Drop DarkGate Loader Malware
- Security Awareness – Smishing Campaign Targeting U.S. Citizens in Postal Scam
- Insider Threat Awareness – Understanding and Mitigating the Risk of Insider Threats
- Cyber Resilience:
 - CISA Publishes Fact Sheet on Free Cyber Vulnerability Scanning Service Available to Water and Wastewater Utilities
 - How to Prevent Drones from Enabling Cyber Threats Against Your Network
- CISA ICS Vulnerability Advisories and Alerts, Updates, and Bulletins – September 12, 2023
- TLP:AMBER Weekly Flashpoint Intelligence Reports: September 7, 2023
- Supplemental Cyber Highlights – September 12, 2023



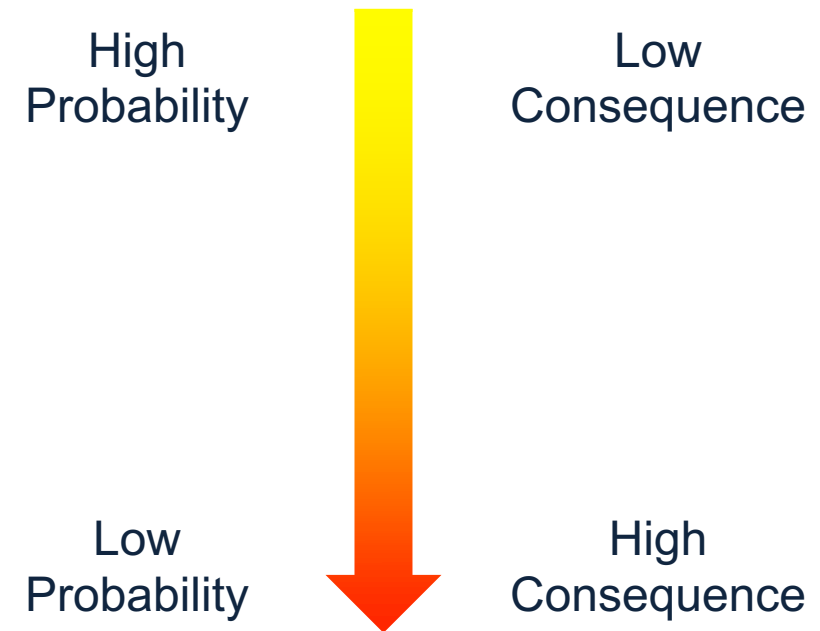
PHYSICAL INCIDENTS AND SUSPICIOUS ACTIVITIES MONITORED BY WATERISAC

- The physical threat landscape facing the water and wastewater sector today is dynamic, volatile, and complex
- Terrorists and violent extremists represent a particularly lethal and persistent threat due to their relentless desire to attack critical infrastructure, including water and wastewater systems, in furtherance of their ideological goals.



PHYSICAL THREAT ACTORS

- **Common criminals**
 - Theft
 - Minor sabotage/tampering
- **Insider Threat/Workplace violence**
 - Threat
 - Assault
- **Terrorists/extremists**
 - Assault
 - Sabotage/tampering
 - Contamination



NOTABLE TERRORIST/EXTREMIST PLOTS & INCIDENTS INVOLVING THE SECTOR

- Feb. 2014: Cartersville, GA – Plot by militia members to trigger violent conflict against the government by attacking water utilities.
- Jun. 2018: Cudahy, WI – An Islamic State supporter used a pro-Islamic State social media account to encourage a suspected Islamic State follower to poison water reservoirs with ricin.
- Nov. 2021: Greenbelt, MD – Two members of the neo-Nazi group “The Base” were sentenced to nine years in prison for planning to poison water supplies and engage in other terrorist activities.
- Jun. 2021: Unknown – Domestic violent extremists shot at a purported water treatment plant in a video.



PHYSICAL SECURITY RESOURCES

- WaterISAC
 - Contaminant database
 - WaterISAC Publications
 - WaterISAC Webinar Archive
 - Threat and mitigation information
- EPA
 - Risk and Resilience Assessment and Emergency Response Plan Resources
 - Vulnerability Self-Assessment Tool (VSAT)
- CISA
 - Protective Security Advisor (PSA) Program
 - Infrastructure Survey Tool
 - Security and Resiliency Guide Counter-Improvised Explosive Device (C-IED)
 - Insider Threat Mitigation Resources

ALL THINGS WATERISAC

ALERTS



Stay in the know! We are in constant communication with CISA, DHS, EPA, FBI, and other government agencies to ensure members receive timely and actionable alerts.

ANALYSIS



Provide quarterly and annual reports analyzing cyber and physical incidents around the nation.

NEWSLETTERS



Twice-weekly newsletters, Security & Resilience Updates (SRU) curated by our analysts to provide focused content and best practices.

RESOURCES



Access to over 12,000 security resources for the water and wastewater sector.

Not a member? We offer a 60-day complimentary trial!



CHAMPION PROGRAM



Champions are subject-matter experts in physical and cyber security, resilience, and emergency preparedness. They are considered leaders in their spaces and one-of-a-kind solution providers providing knowledge and resources to our members.



H2OSecCon 2023

Surging Towards Safety & Security

- Registration Now Open!
 - WaterISAC members can attend for only \$100
 - Early bird registration through Friday, September 29
- Over two days attendees will get access to:
 - 14 panels and sessions
 - 30+ subject matter experts
 - Main stage speakers
 - Cyber and physical security tabletop exercises

Does your utility serve under 10,000 individuals?
Registration is on us!



MAIN STAGE SPEAKER

**JEN
EASTERLY**

Director
Cybersecurity and Infrastructure
Security Agency (CISA)

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MAIN STAGE SPEAKER

**NITIN
NATARAJAN**

Deputy Director
Cybersecurity and Infrastructure
Security Agency (CISA)

H₂OsecCon VIRTUAL 2023 Powered by **WATER ISAC**



CYBERSECURITY AWARENESS MONTH - OCTOBER

- Collaboration between government agencies and private industry to raise awareness around digital security and empower people to protect themselves from cyber crime.
- Key Messages for 2023:
 - Enabling Multi-Factor Authentication
 - Using Strong Passwords and a Password Manager
 - Updating Software
 - Recognizing and Reporting Phishing

**STOP CLICKING
“REMIND ME
LATER”.**

Don't hesitate
to update.



UPCOMING WEBINARS

- Monthly Cyber Threat Briefing
Discover What Attackers See: CISA's Vulnerability Scanning Service for Visibility
Wednesday, September 27 at 2 PM ET

Registration for September's briefing is open to members and nonmembers.

MEMBER PORTAL

- [Detailed FAQs](#)
- [Resource Center](#)
- [Webcast Archive](#)
- [Upcoming Events](#)

THANK YOU

Tom Dobbins

Executive Director

dobbins@waterisac.org

Scott Biernat

Manager, Accounts

biernat@waterisac.org

Eugenia Cadena

Manager, Administration

cadena@waterisac.org

Alec Davison

All-Hazards Risk Analyst

davison@waterisac.org

Chuck Egli

Director of Preparedness & Response

egli@waterisac.org

Dan Hartnett

AMWA Chief Policy Officer

Hartnett@amwa.net

Andrew Hildick-Smith

OT Security Lead

hildick-smith@waterisac.org

Jennifer Lyn Walker

Infrastructure Cyber Defense Director

walker@waterisac.org

Kaitlyn Palatucci

Director of Marketing and Membership

Palatucci@waterisac.org

April Zupan

All-Hazards Risk Analyst

zupan@waterisac.org

WWW.WATERISAC.ORG

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