

CYBERSECURITY & INFRASTRUCTURE SECURITY AGENCY



CHEMICAL SECURITY SEMINARS 2024 PROGRAM

WEEK 2: JULY 18

10:00 AM - 3:00 PM ET

VIRTUAL VIA MICROSOFT TEAMS LIVE

AGENDA

WEEK 2: JULY 18
10:00 AM – 3:00 PM ET

- 10:00 AM** **Opening Remarks**
- 10:05 AM** **Session 1: “Wicked Problems” in Chemical Security**
- 11:20 AM** **Session 2: Response Strategies for Hazardous Chemical Incidents**
- 12:20 PM** **30-Minute Break**
- 12:50 PM** **Session 3: Drone Policy and Use Impacts to Global Critical Infrastructure**
- 1:50 PM** **Session 4: Tactics and Resources for Managing Physical and Cyber Threats**
- 2:50 PM** **Session 5: Closing Keynote Remarks**
- 3:00 PM** **Closing Remarks**

MICROSOFT TEAMS LIVE

TROUBLESHOOTING AND INFORMATION

This year's Seminars are being hosted through a Microsoft Teams Live event, which are a bit different from regular Teams meetings.

- If you ask a question in the chat, don't be surprised if you don't see it pop up right away—the chat moderators may decide to answer it privately, publish it, or hold it to address at a later time.
- If you're having issues connecting, feel free to ask for help in the chat, or email ChemicalSummitReg@hq.dhs.gov. Someone from the Seminars team will try to assist you.

Supported operating systems:

- Windows 7 and later
- macOS X 10.10 and later

Supported mobile operating systems:

- Android 4.4 and later
- iOS 10 and later

Supported web browsers:

- Chrome (last 3 versions)
- Edge RS2 and later
- Firefox (last 3 versions)
- Internet Explorer 11
- Safari

SURVEY — WEEK 2

Your feedback is important to us! The thoughts and insights you provide help us shape the topics, format, and speakers for future Chemical Security Seminars and Summits.

<https://forms.office.com/g/9xky2xzz4C>

ACRONYMS

AI	Artificial Intelligence	FEMA	Federal Emergency Management Agency
ANSP	Ammonium Nitrate Security Program	FBI	Federal Bureau of Investigation
CFATS	Chemical Facility Anti-Terrorism Standards	HAZMAT	Hazardous Materials
CISA	Cybersecurity and Infrastructure Security Agency	HSIN-CI	Homeland Security Information Network-Critical Infrastructure
CWMD	Countering Weapons of Mass Destruction Office (DHS)	IEMA	Illinois Emergency Management Agency
DHS	Department of Homeland Security	LEPC	Local Emergency Planning Committee
EPA	Environmental Protection Agency	MABAS	Mutual Aid Box Alarm System
		UAS	Unmanned Aircraft System

CISA CHEMICAL SECURITY RESOURCES

On July 28, 2023, Congress allowed the statutory authority for CFATS to expire. Therefore, CISA cannot enforce compliance with the CFATS regulations at this time. To reach us, please contact CFATS@hq.dhs.gov. CISA encourages facilities to maintain security measures. CISA's voluntary program, ChemLock, offers a multitude of resources. See below for more.

CHEMLOCK ON-SITE ASSESSMENTS AND ASSISTANCE

CISA chemical security personnel provide on-site assessments and assistance that can help your facility identify the specific security risks your on-site chemicals present, as well as tailored, scalable suggestions for security measures that will best enhance your facility's security posture based on your unique circumstances and business model. [Learn more about ChemLock On-Site Assessments and Assistance.](#)

CHEMLOCK TRAINING

CISA provides live, on-demand training to help owners, operators, facility personnel, and retailers learn about the threats that chemicals pose and what security measures can be put in place to reduce the risk of dangerous chemicals being weaponized. [Learn more about ChemLock Training.](#)

CHEMLOCK EXERCISES

Through the ChemLock program, facilities can request CISA's expertise in facilitating a live tabletop exercise that is tailored to your facility and the specific response scenario you want to test. You can also opt to run your own chemical security-focused exercise! CISA Tabletop Exercise Packages (CTEPs) include downloadable resources, like manuals and templates, to help you customize and conduct your own tailored chemical security exercise. Scenarios include active shooter, chemical release, cyberattack, drone threats, insider threat, and more. Learn more about [ChemLock Exercises.](#)

There are many more services, tools, and resources available at no cost through ChemLock.

 [CHEMLOCK WEBPAGE](#)

 [EMAIL THE CHEMLOCK TEAM](#)

SESSION 1: 10:05 - 11:20 AM

“WICKED PROBLEMS” IN CHEMICAL SECURITY

IN CONVERSATION WITH ANNIE HUNZIKER BOYER

“Wicked problems” are complicated, dynamic issues that defy one-size-fits-all solutions because of incomplete, evolving, or even contradictory factors. Solving these problems requires collaboration, flexibility, and forward thinking.

This session features three industry experts who have experienced—and addressed—some of these wicked problems impacting chemical security: unhoused persons on private property, extreme weather events, and the rise of AI.

SPEAKERS AND RESOURCES



MATT FRIDLEY

**SENIOR DIRECTOR OF SECURITY AND SAFETY
BRENNTAG NORTH AMERICA**

- ▶ [Connect with Matt on LinkedIn](#)
- ▶ [View Brenntag’s website](#)



ALFONSO CAVAZOS

**QUALITY, CRISIS, AND SECURITY ADVISOR
INEOS OLEFINS & POLYMERS USA**

- ▶ [Connect with Alfonso on LinkedIn](#)
- ▶ [View INEOS Olefins & Polymers USA’s website](#)



TODD MESICK

**CHIEF INFORMATION SECURITY OFFICER
THE LUBRIZOL CORPORATION**

- ▶ [Connect with Todd on LinkedIn](#)
- ▶ [View Lubrizol’s website](#)

SESSION 2: 11:20 AM - 12:20 PM

RESPONSE STRATEGIES FOR HAZARDOUS CHEMICAL INCIDENTS

LESSONS LEARNED AND BEST PRACTICES

IN CONVERSATION WITH SARAH EASTON

On January 11, 2023, multiple explosions and a large fire occurred at a chemical manufacturing plant in La Salle, IL, about 90 miles outside of Chicago. The plant manufactured water treatment chemicals—some of which could be deadly in the wrong circumstances.

The plant was evacuated, and a shelter-in-place order was put in effect for the communities within the vicinity of the plant during the fire. Multiple fire departments and MABAS resources responded to address the fire and its aftermath. Eventually, after the fire was under control, clean-up contractors performed remediation activities with oversight from Illinois EPA, and an investigation into determining the cause of the incident could begin.

This session features three individuals who were on the ground in La Salle last year for the fire's response and remediation efforts. They will share an overview of the firefighting operations and incident command organization, as well as discuss best practices for first responders and government working together.

SPEAKERS AND RESOURCES



JERRY JANICK
FIRE CHIEF
CITY OF LA SALLE, IL



MARK REYNOLDS
DEPUTY CHIEF
PLAINFIELD (IL) FIRE
PROTECTION DISTRICT



PAUL RUESCH
ON-SCENE COORDINATOR
EPA—REGION 5

Chief Janick and Deputy Chief Reynolds are members of MABAS HAZMAT response teams for their respective geographic areas.

Statewide mutual aid systems, like MABAS in Illinois, have been in use since the 1960s. [Learn more about the capabilities and resources provided through MABAS.](#)

EPA On-Scene Coordinators (OSCs) are federal officials responsible for the assessment, monitoring, response assistance, and evaluation during and after a hazardous spill or release.

[Learn more about the role of OSCs and the EPA during an incident.](#)

SESSION 3: 12:50 - 1:50 PM

DRONE POLICY AND USE IMPACTS TO GLOBAL CRITICAL INFRASTRUCTURE



LT. JEFF HIRSCH
ASSISTANT WEAPONS OF MASS
DESTRUCTION COORDINATOR
FBI NEW ORLEANS FIELD OFFICE JOINT
TERRORISM TASK FORCE

Lt. Jeff Hirsch investigated the first drone-related cases for the FBI New Orleans Field Office in 2017 and has since then established himself as a subject matter expert on all UAS matters.

At last year's Chemical Security Summit, Lt. Hirsch co-presented a case study on drone use in St. Charles Parish, LA. In this session, he will continue the discussion on that presentation, share a broad overview of UAS-related threats in the U.S., and provide a deep dive on drone laws—including what companies can legally do to combat the use of UAS over critical infrastructure.

RESOURCES

- ▶ [View Lt. Hirsch's presentation from last year's Chemical Security Summit](#) (PDF, 1 MB).
- ▶ The HSIN-CI UAS Cybersecurity and Countering-UAS Portal facilitates communication and collaboration between private sector and government partners to understand and manage cyber and physical risks posed by UAS to critical infrastructure. [Visit the HSIN-CI UAS webpage for more information.](#)

SESSION 4: 1:50 - 2:50 PM

TACTICS AND RESOURCES FOR MANAGING PHYSICAL AND CYBER THREATS



KELLY SPADE
COMPLIANCE
BRANCH TEAM LEAD
CISA CHEMICAL
SECURITY



**BRYAN
MCDONALD**
CHEMICAL SECURITY
INSPECTOR
CISA REGION 4

From localized extreme weather to transnational threats, the chemical industry faces a variety of emerging and evolving concerns. How can facilities manage and mitigate the many different challenges they are facing? This session will discuss best practices that facilities can consider as they look to implement cyber and physical security measures that will bring the greatest return on investment.

RESOURCES

- ▶ The ChemLock program provides a range of chemical security services and tools for chemical facilities. [Learn more about ChemLock.](#)
- ▶ [ChemLock: Secure Your Chemicals](#) is a guidance document that walks step-by-step through the process of developing and implementing a facility security plan. [Learn more about ChemLock's security plan.](#)
- ▶ Contact the ChemLock team at ChemLock@cisa.dhs.gov.

SESSION 5: 2:50 - 3:00 PM

CLOSING KEYNOTE REMARKS

MARY ELLEN CALLAHAN
ASSISTANT SECRETARY
COUNTERING WEAPONS OF MASS
DESTRUCTION OFFICE, DHS



Mary Ellen Callahan has served as the Assistant Secretary for CWMD since August 2023. CWMD leads the Department's efforts and coordinates with domestic and international partners to safeguard the United States against chemical, biological, radiological, and nuclear threats.

Ms. Callahan previously served as Chief of Staff to DHS Deputy Secretary John Tien from 2021 through 2023. She provided substantive policy on a wide range of domestic and international issues and managed the day-to-day operations of the office.

Ms. Callahan was a key interlocutor and partner to other departments, agencies, office leaders, and the White House. Her stewardship of the Department's vital national security interests was critical to gains made in the National Operations Center, operations to counter-human smuggling, international multi-lateral relationships, and continuity of operations and government, including resilience.

CONTACT

- 🌐 [DHS Countering Weapons of Mass Destruction Office website](#)
- ✉ Email DHS CWMD at CWMD@hq.dhs.gov.

2024 CHEMICAL SECURITY SEMINARS - WEEK 2 SPEAKER BIOGRAPHIES

CALLAHAN, MARY ELLEN

Mary Ellen Callahan has served as the Assistant Secretary for the DHS CWMD Office since August 2023. CWMD leads the Department's efforts, and coordinates with domestic and international partners to, safeguard the United States against chemical, biological, radiological, and nuclear threats.



CAVAZOS, ALFONSO

Alfonso Cavazos has worked in the petrochemical industry for the last 29 years.

He has been involved with emergency response and crisis management for 25 years and security for 9 years. Alfonso has a B.S. in Chemistry from the University of Houston.



EASTON, SARAH

Sarah Easton is the Risk & Data Analysis Section Chief within the Compliance Branch of CISA Chemical Security. In this capacity, Ms. Easton works on continuous analysis, improvement, and adaptation of risk methodologies, and coordinates with government partners on emerging threats to facilities in possession of dangerous chemicals.



FRIDLEY, MATT

Matt Fridley is the Director of Security and Safety for Brenntag, the world's largest chemical distribution company. He also serves on the Executive Committee of the Alliance for Chemical Distribution, is a former Chair of the Chemical Sector Coordinating Council, and is a member of the Global Congress on Chemical Security and Emerging Threats.



HIRSCH, LT. JEFF

Lt. Jeff Hirsh is currently assigned to the FBI New Orleans Field Office Joint Terrorism Task Force (JTTF) where he investigates threats of domestic and international terrorism. His law enforcement career spans nearly three decades from various agencies in Colorado, Florida, and Louisiana. He has been investigating UAS incidents for the JTTF since 2017.



2024 CHEMICAL SECURITY SEMINARS - WEEK 2 SPEAKER BIOGRAPHIES

HUNZIKER BOYER, ANNIE

Annie Hunziker Boyer is the Policy, Rulemaking, and Engagement Branch Chief for CISA Chemical Security. In this role, she oversees the organization's chemical security engagement, communications, and policy initiatives, including its international efforts.



JANICK, JERRY

Jerry Janick began his firefighting career with the La Salle, IL, Fire Department in 1984. In 2021, he became the Fire Chief of the same department. Additionally, Chief Janick has been a member of the Illinois MABAS Division 25 HAZMAT Response Team since its inception in 2004, serving as its leader for ten years.



MCDONALD, BRYAN

Bryan McDonald joined CISA in 2017 as a Chemical Security Inspector in Region 4 where he worked with high-risk chemical facilities to ensure they met the security requirements set by the currently lapsed CFATS program. Through his work as an inspector, Mr. McDonald became involved with the ChemLock program during its early stages.



MESICK, TODD

Todd Mesick is the Chief Information Security Officer for The Lubrizol Corporation where he oversees all cybersecurity functions. He previously spent more than 20 years in the aerospace and defense industries. He has a B.S. in Computer/Information Science from SUNY Institute of Technology and a M.S. in Digital Forensic Science from Champlain College.



MURRAY, KELLY

Kelly Murray is the Associate Director for CISA Chemical Security where she oversees the Agency's efforts to administer the currently lapsed Chemical Facility Anti-Terrorism Standards (CFATS) regulation, the ChemLock program, proposed Ammonium Nitrate Security Program, and numerous international initiatives.



2024 CHEMICAL SECURITY SEMINARS - WEEK 2 SPEAKER BIOGRAPHIES

REYNOLDS, MARK

Mark Reynolds has served 36 years in the fire service in northern Illinois. Currently, he is Deputy Chief of the Plainfield Fire Protection District and Team Leader for the MABAS Division 15 HAZMAT Response Team. Deputy Chief Reynolds holds a B.S. in Fire Science Management and a Chief Fire Officer certification.



RUESCH, PAUL

Paul Ruesch has served as a Federal On-Scene Coordinator with the EPA since 2010. His experience includes domestic spills, hazmat response, and international efforts on enhancing waste management in Central America and the Caribbean. Mr. Ruesch has worked for the EPA since 1991, except for a "break" to volunteer in the Peace Corps.



SPADE, KELLY

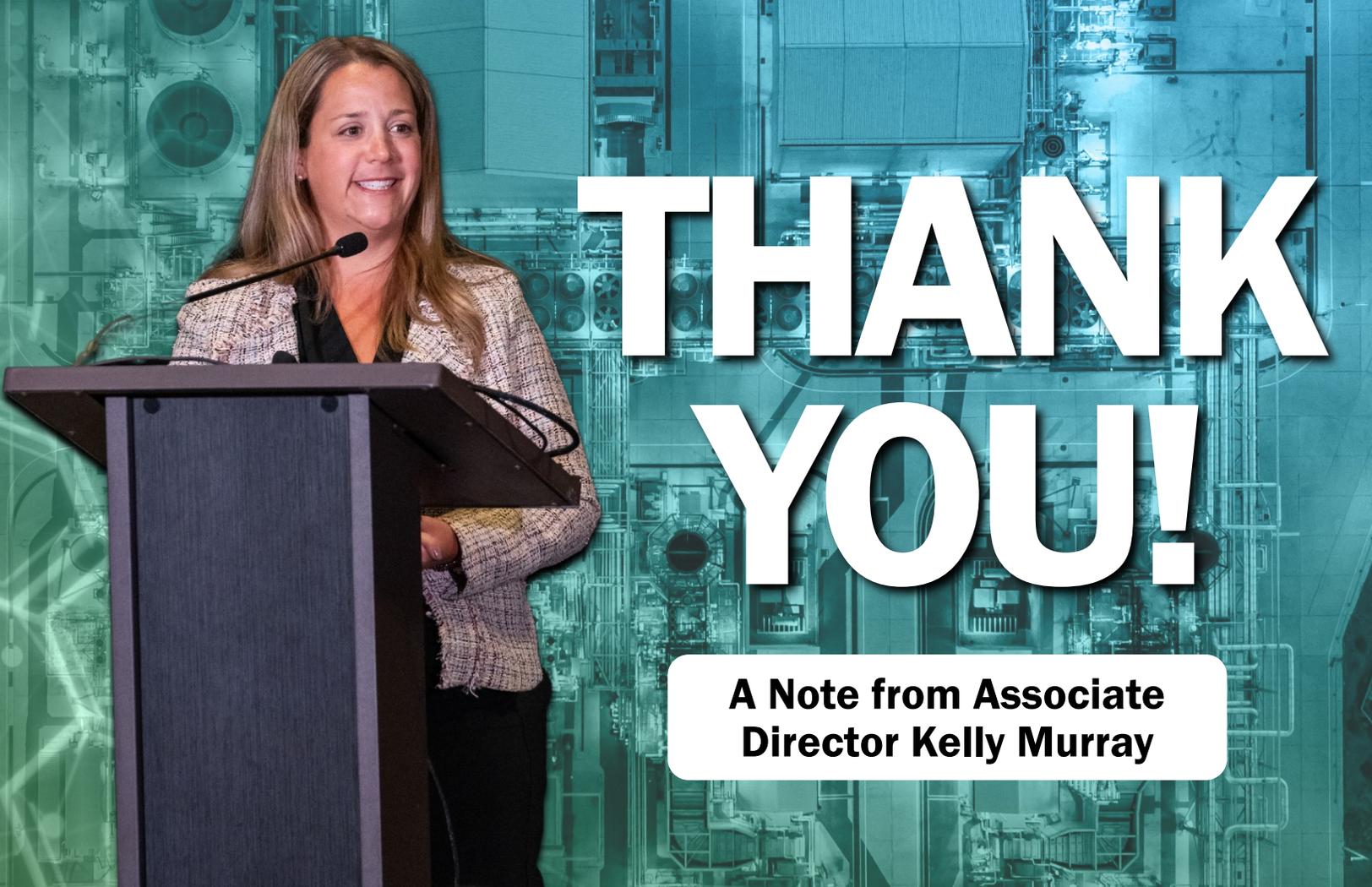
Kelly Spade is a Team Lead within the Compliance Branch at CISA Chemical Security. In this role, she provides advice on matters related to chemical security and its application to chemical facilities across the U.S. Her current and prior duties have included incident analysis, security plans, and business continuity planning.



VEYISOGLU, ZEINA

Zeina Veyisoglu is the Acting Deputy Branch Chief for the Compliance Branch at CISA Chemical Security. In this role, she leads chemical security efforts by lending technical knowledge and oversees a team that provides guidance and counsel to chemical facilities on issues related to chemical security.





THANK YOU!

A Note from Associate Director Kelly Murray

Colleagues,

Thank you for attending the second week of the Chemical Security Seminars! Last week, I spoke to you about the state of chemical security in the United States. The fact of the matter is this: our country's national security is at stake. We heard from Secretary Mayorkas that CFATS reauthorization is a priority for the Department. We heard from the FBI and INTERPOL that the threat is real. We heard from industry about the problems they're seeing. We saw the disaster potential of an incident in our own backyards.

But I'm not giving up, nor are those of you who have joined us over these two weeks. Chemical security is more important than ever, and each of us has a vital part to play in ensuring that the chemicals that make our economy and country thrive are not weaponized by those seeking to do our country harm. The state of chemical security truly does depend on us. I am up for the challenge and ready to meet the future with the same courage, conviction, and determination that my remarkable chemical security colleagues have displayed over this past year. I hope you are too.

Kelly Murray
Associate Director, CISA Chemical Security