

2023  
**CHEMICAL  
SECURITY  
SUMMIT**

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August 29-31, 2023

#ChemicalSecurity



# CHEMICAL SECURITY SUMMIT

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August 30, 2023

## ChemLock On-Site Assessment Case Study

**Bryan McDonald**

ChemLock Program Manager (Acting), CISA Chemical Security

**David McKinney**

Senior Chemical Security Inspector, CISA Region 3

**Carlos Moreno**

Safety and Security Manager, Knouse Foods Coop, Inc.

**Moderator: Kelly Spade**

Team Lead, Compliance Branch, CISA Chemical Security



**#ChemicalSecurity**

# CHEM LOCK

Know your **chemicals**.

**Lock** in your security posture.



# Dangerous Chemicals



## Toxics and Toxic Precursors

Can cause death or serious injury through inhalation

▶ Examples: Ammonia, chlorine



## Flammables

Can create a vapor cloud that explodes

▶ Examples: Butane, propane



## Explosives and Explosive Precursors

Can be used to create an explosive device

▶ Examples: Ammonium nitrate, hydrogen peroxide





# ChemLock Services and Tools



## On-Site Assessments and Assistance

- ▶ Security awareness consultations
- ▶ Security posture assessment
- ▶ Security planning visit



## ChemLock Resources

- ▶ Security planning guidance
- ▶ Security planning template
- ▶ Fact sheets and best practices



## Exercises and Drills

- ▶ Chemical security exercise templates
- ▶ CISA-facilitated tabletop exercises



## Training Courses

- ▶ Introduction to Chemical Security
- ▶ Secure Your Chemicals Security Planning



## Special Access to CISA Services

- ▶ CISA Active Shooter Preparedness
- ▶ Cyber Security Evaluation Tool (CSET) Demo



**All ChemLock services are completely voluntary and no cost.**

# OAA Levels



Level of Service	Service Provided
<b>Level 1:</b> Security Awareness Consultation	Identify security concerns associated with certain chemicals
<b>Level 2:</b> Security Posture Assessment	Provide a physical and cyber security gap assessment and offer options for facilities to consider to enhance security
<b>Level 3:</b> Security Planning Visit	Deliver assistance in developing a tailored security plan



# On-Site Assessments and Assistance



**Which security measures will best enhance security at your facility?**

- Risk management processes
- Cyber and physical security gap assessment
- Assessment of existing security measures
- Recommendations for adding or enhancing security measures
- Assistance in developing tailored security plans



**CHEM**  **LOCK**

Facilities can request on-site assessments and assistance at [cisa.gov/chemlock](https://www.cisa.gov/chemlock)

# Five Security Goals

- 1 Can you **DETECT** an attack?
- 2 Can you **DELAY** the adversary?
- 3 Are you able to **RESPOND** in a timely manner?
- 4 Are you securing your **CYBER** assets?
- 5 Do you have the appropriate **POLICIES, PLANS, and PROCEDURES** to implement security measures?



# Seeking Assistance: Spreading the Word on ChemLock

- Priority populations for 2023
  - Water and wastewater facilities
- Engaging Stakeholder Networks
  - Private Organizations
  - Other Conferences
  - Local Emergency Planning Committees (LEPCs)
- Seeking opportunities and open to ideas!



[  [cisa.gov/chemlock](https://cisa.gov/chemlock) ]

SCAN HERE TO LEARN MORE



ABOUT THE CHEMLOCK PROGRAM!

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 [ChemLock@cisa.dhs.gov](mailto:ChemLock@cisa.dhs.gov)

 [cisa.gov/chemlock](https://cisa.gov/chemlock)