

CHEMLOCK PROGRAM OVERVIEW

KNOW YOUR CHEMICALS.
LOCK IN YOUR SECURITY POSTURE.



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



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Industries with Dangerous Chemicals



Colleges and Universities



Cold Chain/ Refrigeration



Fisheries and Hatcheries



Energy Utilities



Agricultural Production



Laboratories



Mining



Industrial Manufacturing



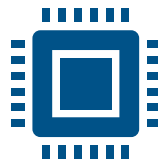
Paints and Coatings



Plastics Manufacturing



Pulp and Paper



Semiconductor Manufacturing



Motor Racing



Warehouses/ Distribution



Water Treatment



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.

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



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

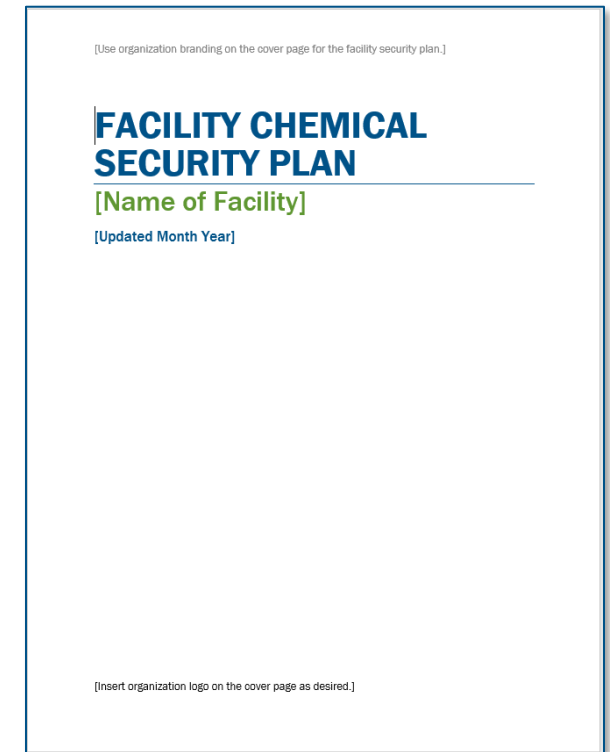
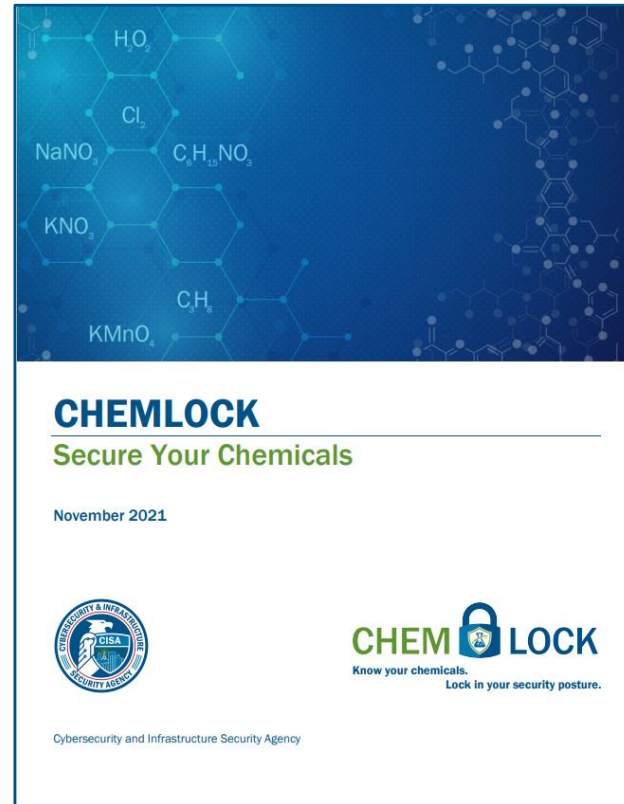
ChemLock Publications



Guidance Documents:

Helps facilities build a step-by-step chemical security plan tailored to their business model and unique circumstances

- ChemLock: Secure Your Chemicals
- ChemLock: Secure Your Chemicals Facility Plan Template
- Secure Your Chemicals: Before, During, and After a Pandemic



ChemLock Publications (cont.)



Flyers: Brings general awareness to chemical threats and need for chemical security measures

- Know Your Chemicals
- Secure Your Chemicals: Chemical Threats

Toolkits: Provides variety of resources to help facilities evaluate chemical security and preparedness

- In development



KNOW YOUR CHEMICALS

Chemicals are critical to our economy, national security, and public health. But in the wrong hands, dangerous chemicals can be weaponized by terrorists.

- ▶ What is your facility's security posture?
- ▶ Do you know if your facility possesses dangerous chemicals that could be weaponized by terrorists?
- ▶ What security does your facility have in place to prevent chemicals being weaponized?

Chemical security is national security.

The Cybersecurity and Infrastructure Security Agency's (CISA) ChemLock program is a completely voluntary program that provides facilities that possess dangerous chemicals no-cost services and tools to help them better understand the risks they face and improve their chemical security posture in a way that works for their business model.

CHEM LOCK
Know your chemicals. Lock in your security posture.

Learn more at cisa.gov/chemlock.

Exercises and Drills



- CISA Tabletop Exercise Packages (CTEPs), drills, and general materials to help conduct exercises tailored to chemical security
 - Active Shooter
 - Drone Threat
 - Cyberattacks
 - Fire as a Weapon
 - Active Threat Communication
 - Complex Coordinated Attack
 - Edged Weapon
 - Vehicle Ramming
 - Improvised Explosive Device
 - Vehicle-Borne Improvised Explosive Device
 - Theft and Diversion
 - Insider Threat
 - Chemical Release/Spill
 - Civil Unrest



Facilities can request live exercise that are tailored to the needs and requests of the participating facility at cisa.gov/chemlock.

Training Courses



ChemLock Training 1 – Introduction to Chemical Security

An introductory course that provides an overview to chemical security and identifies key components for chemical security awareness.

ChemLock Training 2 – Secure Your Chemicals: Security Planning

An in-depth course that:

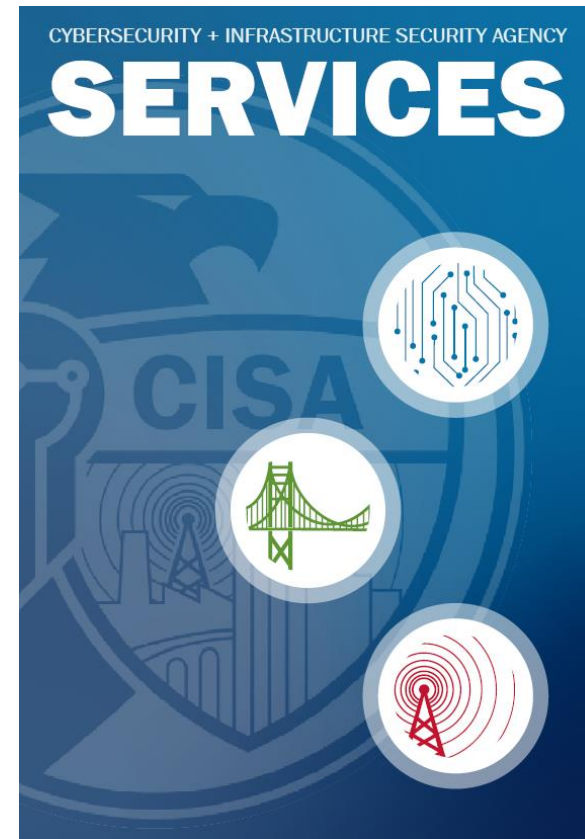
- ▶ Provides an overview of the ChemLock: Secure Your Chemicals resource
- ▶ Identifies elements of a security plan, examples, lessons learned, and best practices
- ▶ Walks through how to create a tailored, scalable security plan



Special Access to CISA Services



- ChemLock provides access to these CISA services:
 - Active Shooter Preparedness
 - Cyber Security Evaluation Tool (CSET)
- Services are provided specifically for ChemLock participants
- Information on additional CISA services is available at cisa.gov/chemlock.



How Do I Sign Up for a ChemLock Service?

- Visit cisa.gov/chemlock
- Fill out our short service request form
- CISA will contact you to follow up about the service you are requesting

Questions about ChemLock?



ChemLock@cisa.dhs.gov



cisa.gov/chemlock

ChemLock Request Form

Thank you for your interest in the ChemLock Program. ChemLock services help facilities that possess dangerous chemicals understand their potential vulnerabilities and identify security options for addressing them.

Please complete this form in its entirety by **clicking the "Done" button on the final page** to request contact from a CISA representative to discuss a ChemLock Service.

* Required



1

Select the ChemLock service you are requesting

If you would like to request multiple services at this time, please select 'Other' and list all desired services in the text field provided.

*

Example ChemLock Service Request Form



SCAN HERE TO LEARN MORE



ABOUT THE CHEMLOCK PROGRAM!

CHEM LOCK

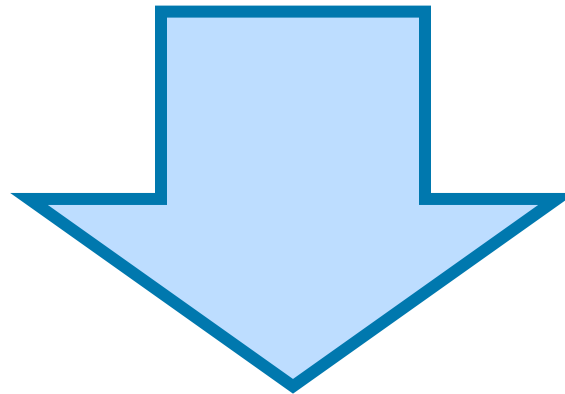
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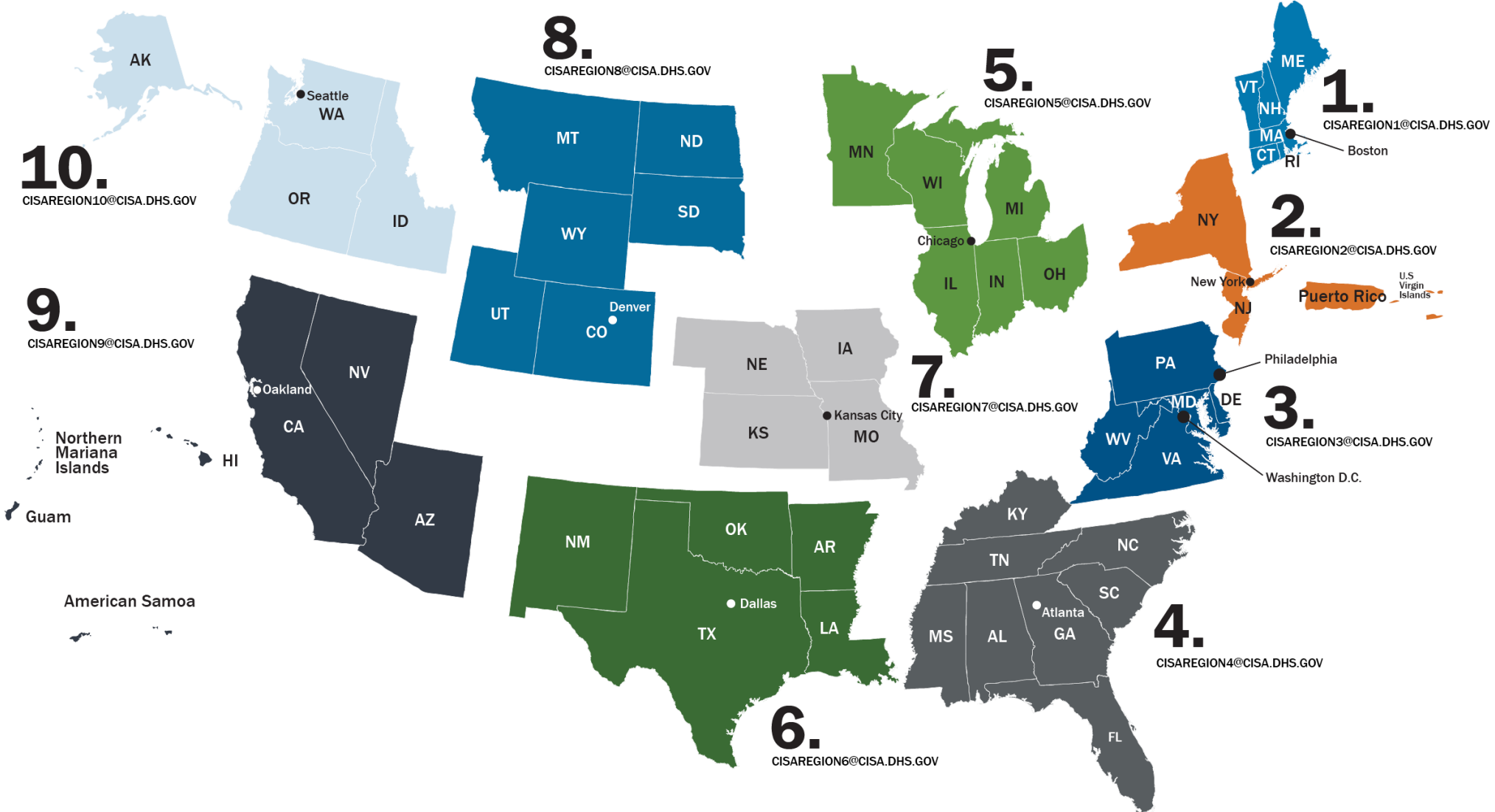
ADDITIONAL SLIDES

You may choose to incorporate any of the additional slides below based on relevance to your audience.



Chemical Security Regional Personnel

- 1 Boston, MA
- 2 New York, NY
- 3 Philadelphia, PA
- 4 Atlanta, GA
- 5 Chicago, IL
- 6 Dallas, TX
- 7 Kansas City, MO
- 8 Denver, CO
- 9 Oakland, CA
- 10 Seattle, WA



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?

ChemLock Publications



Guidance Documents: Helps facilities build a step-by-step chemical security plan tailored to their business model and unique circumstances

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- ChemLock: Secure Your Chemicals Facility Plan Template
- Secure Your Chemicals: Before, During, and After a Pandemic

Fact Sheets: Focuses on particular security measures from the ChemLock guidance documents

- ChemLock overview
- ChemLock: Reporting Suspicious Activities and Security Incidents
- ChemLock: Chemical Product Stewardship
- ChemLock: Drone Activity
- ChemLock: Chemical Security Considerations for No-Notice Events
- ChemLock: Chemical Security Self-Assessment
- ChemLock: Security on a Budget



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