



# U.S. Department of Homeland Security

## Dams Sector Information-Sharing HSIN-CS Dams Portal

Daniel Abreu  
Dams Sector-Specific Agency  
Office of Infrastructure Protection  
U.S. Department of Homeland Security

Hydraulic Power Committee  
2010 National Hydropower Association Conference

28 April 2010  
Washington, DC

# Briefing Outline

---

- Dams Sector Partnership Framework
- Dams Sector Information Sharing Environment
- HSIN-CS Dams Portal

# Dams Sector Partnership Framework

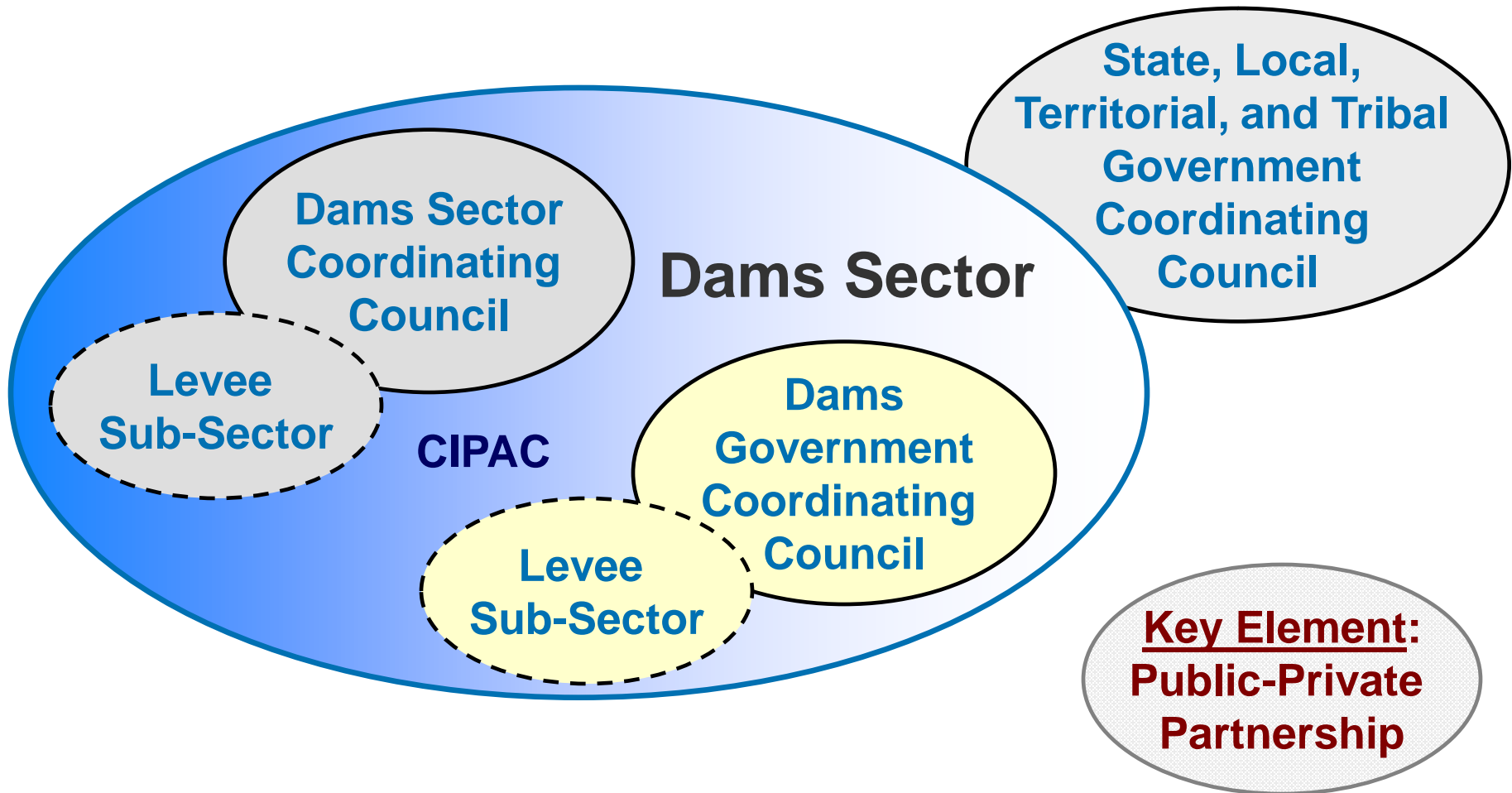
---

- **Critical Infrastructure Partnership Advisory Council**
  - **Dams Sector operates under the Critical Infrastructure Partnership Advisory Council (CIPAC) framework, which facilitates effective coordination between Federal infrastructure protection programs and infrastructure protection activities of State, local, tribal, territorial governments, and the private sector.**
  - **CIPAC provides a forum that allows government and private sector partners to engage in a broad spectrum of activities to support and coordinate critical infrastructure and key resources (CIKR) protection and resilience.**
  - **CIPAC framework is exempt from Federal Advisory Committee Act requirements of having meetings be accessible to the public.**
  - **CIPAC framework consists of a Sector Coordinating Council (SCC) and Government Coordinating Council (GCC).**

# Dams Sector Partnership Framework

---

- Partnership model implementation:



# Dams Sector Partnership Framework

---

- **Dams SCC**

- **Serves as the private sector interface with the Federal government on issues related to the security of dams, locks, and levees.**
- **Primary purpose is to determine the nature of risks posed against sector assets so that appropriate and timely information as well as mitigation strategies can be provided to the entities responsible for the operation and protection of those assets.**
- **Also serves as the principal asset owner interface with other CIKR sectors as well as with the Department of Homeland Security (DHS), Federal Energy Regulatory Commission, other government agencies, and the GCC.**

# Dams Sector Coordinating Council

---

- Allegheny Energy
- Ameren Services Company
- American Electric Power
- AVISTA Utilities
- Chelan Public Utility District
- Consumers Energy
- Dominion Resources
- Duke Energy
- Exelon Corporation
- Hydro-Quebec 
- New York City Department of Environmental Protection
- New York Power Authority
- Ontario Power Generation 
- Pacific Gas & Electric Company
- PPL Corporation

- Progress Energy
- SCANA Corporation
- Seattle City Light
- Southern California Edison
- South Carolina Public Service (Santee-Cooper)
- Southern Company Generation
- Xcel Energy Corporation

## Trade Associations:

- Association of State Dam Safety Officials
- Colorado River Energy Distributors Association
- National Hydropower Association
- National Mining Association
- National Water Resources Association
- U.S. Society on Dams

SCC Chair: *Consumers Energy*

# Dams Sector Partnership Framework

---

- **Dams GCC**

- **Serves as the government counterpart and partner to the SCC to plan, implement, and execute sector-wide security programs for sector assets.**
- **Comprised of Federal agency owners/operators and State and Federal regulators, as well as other government stakeholders.**
- **Primary activities include:**
  - **Identifying issues that require public-private coordination and communication.**
  - **Bringing together diverse Federal and State interests to identify and develop collaborative strategies that advance critical infrastructure protection and resilience.**
  - **Assessing needs and gaps in plans, programs, policies, procedures, and strategies.**
- **DHS Office of Infrastructure Protection (IP) serves as the Dams Sector-Specific Agency (SSA).**

# Dams Government Coordinating Council

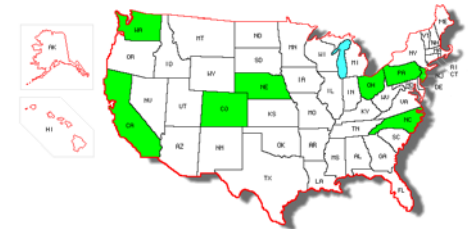
---

- **Bonneville Power Administration**
- **Bureau of Reclamation**
- **Department of Energy**
- **DHS Office of Infrastructure Protection**
- **DHS Science & Technology**
- **Environmental Protection Agency**
- **Federal Emergency Management Agency (FEMA)**
- **Federal Energy Regulatory Commission**
- **International Boundary & Water Commission**
- **Mine Safety and Health Administration**

- **Natural Resources Conservation Service**
- **National Weather Service**
- **Tennessee Valley Authority**
- **U.S. Army Corps of Engineers**
- **U.S. Coast Guard**

## State Dam Safety Offices:

- **California**
- **Colorado**
- **Nebraska**
- **New Jersey**
- **North Carolina**
- **Ohio**
- **Pennsylvania**
- **Washington**



GCC Chair: *DHS/IP*



# Levee Coordinating Councils

- **Levee Sub-Sector Coordinating Council**

- American Society of Civil Engineers
- Association of State Floodplain Managers
- FM Global
- Los Angeles County Department of Public Works
- Louisiana State Police, Levee District
- Metropolitan Water District of Southern California
- National Association of Flood and Stormwater Management Agencies (NAFSMA)
- Reclamation District 1000
- Southeast Louisiana Flood Protection Authority
- South Florida Water Management District
- South La Foursche Levee District
- U.S. Society on Dams

LSCC Chair: *NAFSMA*

- **Levee Sub-Sector Government Coordinating Council**

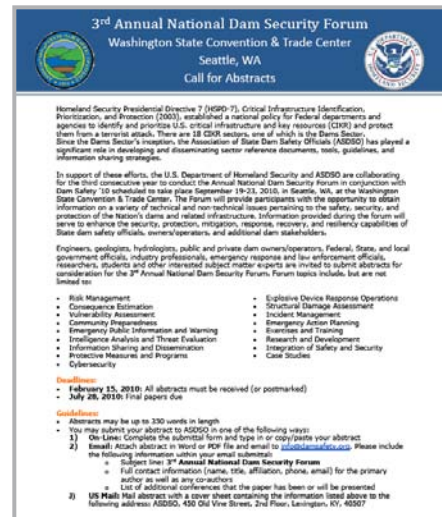
- CA Department of Water Resources
- DHS Office of Infrastructure Protection
- Federal Emergency Management Agency
- Natural Resources Conservation Service
- International Boundary and Water Commission
- U.S. Army Corps of Engineers (USACE)

LGCC Chair: *USACE*



# State Dam Security Panel

- Established in 2008 as a forum for State dam safety representatives to discuss relevant issues related to security and protection of State-regulated Dams Sector assets.
- Panel activities include:
  - Developing and conducting technical training and workshops.
  - Identifying the most relevant security-related concerns from the State-level perspective.
  - Leading the organization of the Annual National Forum on Dam Security.
- Members:
  - California
  - Colorado
  - Nebraska
  - New Jersey
  - North Carolina
  - Ohio
  - Pennsylvania
  - Washington



*The 3<sup>rd</sup> Annual National Dam Security Forum will be conducted in conjunction with Dam Safety '10 (September 19-23, 2010, at the Washington State Convention & Trade Center, in Seattle, WA).*

# Briefing Outline

---

- Dams Sector Partnership Framework
- **Dams Sector Information Sharing Environment**
- HSIN-CS Dams Portal

# Dams Sector Information-Sharing Environment

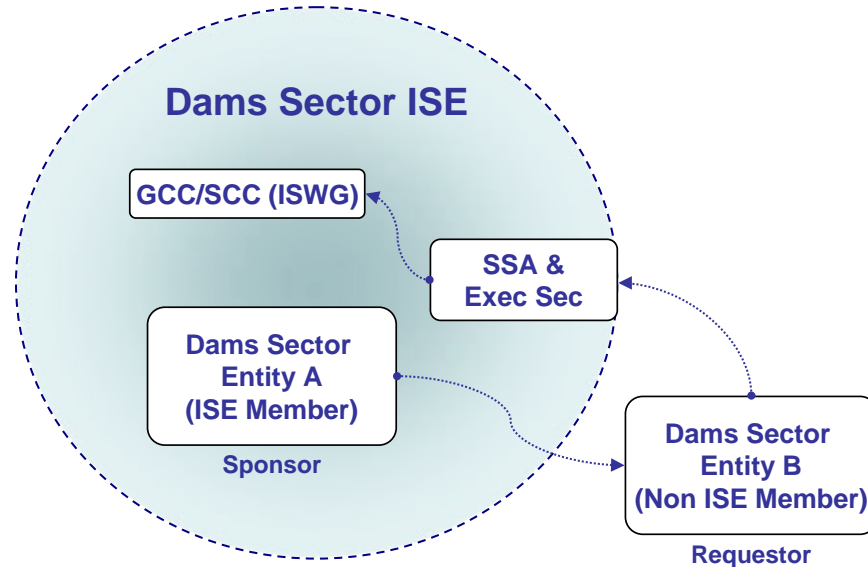
---

- Dams Sector developed standard operating procedures for nominating, validating, and vetting new members to the sector's Information-Sharing Environment (ISE).
- Dams Sector ISE: Trusted and vetted sector stakeholders who share information in order to enhance the sector's overall security and resilience.
  - ISE Member:  
Entity recognized as part of the Dams Sector ISE.
  - ISE Member Representative:  
Trusted Agents and Associates from a Dams Sector ISE member company/agency.

# Dams Sector Information-Sharing Environment

---

- Companies/agencies recognized as members of the Dams GCC and SCC constitute core members of the Dams Sector ISE.
  - Currently 23 GCC / 28 SCC members
- Additional companies/agencies may join the Dams Sector ISE with sponsorship from a current member.



# Dams Sector Information-Sharing Environment

---

- **Level of Individual Participation within the ISE:**
  - **Trusted Agent - Level I: Primary representative for a Dams Sector ISE member.**
    - Authority to sponsor other Trusted Agents and Associates
    - Contributor access to the Homeland Security Information Network-Critical Sectors (HSIN-CS) Dams Portal
    - Receives alerts and notifications during an incident
  - **Trusted Agent - Level II: Secondary representative(s) for a Dams Sector ISE member.**
    - Authority to sponsor other Associates
    - Contributor access to HSIN-CS Dams Portal
    - Receives alerts and notifications during an incident
  - **Associate: Individuals who are part of the Dams Sector ISE, but are not designated as senior-level officials representing a Dams Sector ISE member.**
    - Ready-only access to HSIN-CS Dams Portal

# Briefing Outline

---

- Dams Sector Partnership Framework
- Dams Sector Information Sharing Environment
- **HSIN-CS Dams Portal**

# Homeland Security Information Network

---

- DHS has established an information-sharing network that allows sector partners to collect and disseminate information among Federal, State, local agencies, and the private sector.
- HSIN-CS is an internet-based system that provides situational awareness and facilitates information-sharing and collaboration with homeland security partners.





## Homeland Security Information Network

Welcome to HSIN

**New Look with Improved Security**  
Your existing HSIN Username and Password remain unchanged.

User Name:

Password:

You are about to access a U. S. Government computer/information system. Access to this system is restricted to authorized users only. Anyone who accesses this system without authorization or exceeds authorized access could be subjected to a fine or imprisonment, or both, under Public Law 98-473. By accessing the system you consent to having your activities and or access recorded by system software and periodically monitored. If this record reveals suspected unauthorized use or criminal activity, the evidence may be provided to supervisory personnel and law enforcement officials.



# Homeland Security Information Network

- HSIN is an important aspect of the Dams Sector ISE, as it provides a forum for Dams Sector ISE members to access sensitive but unclassified information relevant to a number of sector issues.
- Managed by the Dams SSA; provides members of the Dams Sector ISE an effective Web-based tool with multiple capabilities and information-sharing components.
- Portal includes:
  - Communities of Interest
  - Reference Library
  - Open Source Reports
  - Patriot Reports
  - Suspicious Activity Reports
  - Training Modules

The screenshot displays the HSIN-DS Dams Sector Portal. The header includes the title "HSIN-DS DAMS SECTOR PORTAL" and navigation links for "My Site", "Help", and "Logout". Below the header is a navigation bar with tabs for "CS Home", "Sectors", "DMS Document Highlights", "Daily OSR", "Cyber Information", "User Information", and "Connect". The main content area shows the current location as "CS Home > Sectors > Dams" and a security notice: "You are the first line of defense, remain vigilant and report any suspicious activity." A section for "Events" indicates no upcoming events. A central dashboard features icons for "Reference Library", "Calendar", "Links", "Contacts", "Training", "SAR Reporting", "Open Source Digest", "Patriot Reports", "Quarterly Newsletters", "Intelligence Bulletins and Notes", and "HSIN Reporting". A "Dams Sector Working Groups" list includes: Information Sharing Working Group, Top Screen Workgroup, Research and Development Workgroup, Security Education Workgroup, SCC Activities Site, SCC Activities Site, Program and Metrics Workgroup, SDP and Process Training, Dams Sector Exercise Series 2008, and Dams Sector Exercise Series 2009. A "Dams Sector Mission" box states: "Identify the protective measures, strategies and policies appropriate to protect its assets from terrorist acts through the development of multifaceted, multilevel and flexible security programs designed to accommodate the diversity of this sector. The Dams Sector, by fostering and guiding research in the development and implementation of protective measures, will ensure the continued economic use and enjoyment of the key resources through a risk-based management program of preparedness, response, mitigation, and recovery." The footer contains logos for DHS, DHS IEP, FICIS, Protective Security Coordinator Division (CPSM) Papers, CorpMap, and Homeland Security.

# Homeland Security Information Network

---

- **Communities of Interest**

- **Facilitate interaction among members of the Dams Sector who are working on similar activities and initiatives.**
- **Dams Sector Workgroups**
  - Information Sharing
  - Programs and Metrics
  - Research and Development
  - Security Education
  - Top Screen
- **Exercises**
  - 2010 Dams Sector Exercise Series
  - 2009 Dams Sector Exercise Series
- **Training**
  - Dams Sector Web-based training modules
  - Webinars
  - Additional online training opportunities



# Homeland Security Information Network

---

- **Reference Library**

- **Provides Dams Sector ISE members access to various documents developed by the sector.**

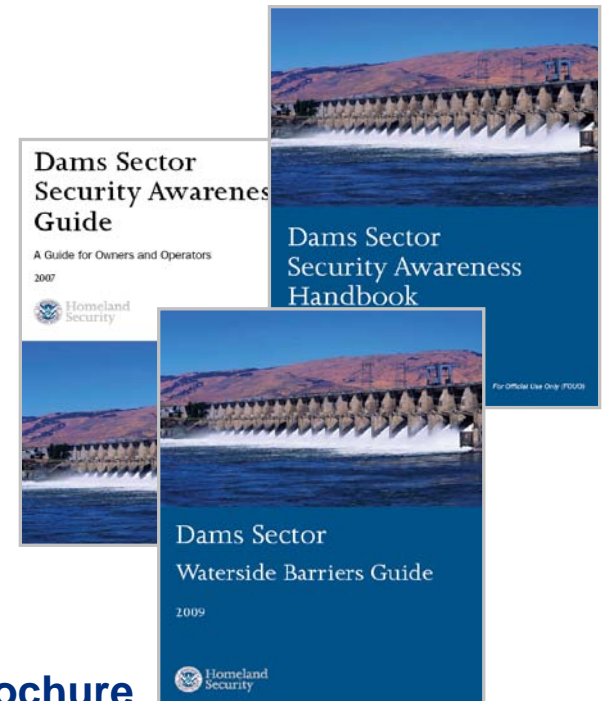
- **Contains documents such as:**

- **Dams**

- **Security Awareness Handbook**
- **Protective Measures Handbook**
- **Crisis Management Handbook**
- **Sector-Specific Plan**
- **Sector Annual Report**

- **Levees**

- **Security Awareness Guide**
- **Physical Security Measures for Levees Brochure**
- **Security Awareness for Levee Owners Brochure**



# Homeland Security Information Network

- **Open Source Reports**

- **Sector-wide summary of events that have taken place during a one month span, domestically and internationally.**
- **Structured to provide information that have an impact on an international and national scale, along with regions including: North Atlantic; Southeast; North Central; South Central; Mountain; West; and Northwest.**

The screenshot shows the Department of Homeland Security website for the Dams Sector Open Source Digest (SOSD) for March 2009. At the top left is the DHS logo. To its right, the text reads "Dams Sector Open Source Digest March, 2009". Further right, a yellow box indicates the "Current Nationwide Threat Level is ELEVATED" with a link to "Elevated Threats". Below this is a paragraph titled "About this report" explaining that the SOSD is a sector-wide summary of events from the past month, primarily a compilation and reorganization of reporting from the Daily Open Source Intelligence Report (OSIR). It also mentions that the SOSD includes reporting not originally published in the OSIR, such as open source research methodologies, imagery, local, national, and international media reports, academia and industry sources, multimedia and blogs, and other relevant publicly available sources. The SOSD is a compilation of unclassified source material and does not provide analysis or projection. The content is strictly for sector situational awareness.

Below the text is a map titled "Dams Areas of Interest" with the instruction "Click region to navigate". The map shows the United States divided into seven color-coded regions: North West (orange), West (yellow), Mountain (green), North Central (orange), South Central (grey), North Atlantic (light blue), and South East (green). An inset map shows Alaska and Hawaii.

- **Information found using open source data.**
- **Report provides original sources for further reference, should readers decide to obtain full articles.**
- **Strictly for situational awareness; no analysis is conducted within the report or in the processing of open source information.**

# Homeland Security Information Network

- **Patriot Reports**

- **Created by the DHS IP National Infrastructure Coordinating Center (NICC).**
- **Detail events or activities that are deemed suspicious as reported by members of the CIKR ISE community, and are disseminated to various government agencies for further analysis by law enforcement and intelligence communities.**
- **Due to the report's sensitivity, a redacted Patriot Report is also provided by the NICC to allow for further dissemination to members of the Dams Sector.**

UNCLASSIFIED//FOR OFFICIAL USE ONLY

**Patriot Report**

**Subject:** Suspicious Activity at a Port in WA

**NOC Number:** 0689-09                      **Guardian Incident No.:** 126149

**NICC Rep:** REDACTED                      **Date & Time:** 04/30/09 2043 EDT

**Reference NRC #:** 904253

**Contact Information:** US Company<sup>1</sup>, Security Officer

**Summary:**  
On 30 April 2009 at about 1445 PDT a helicopter was observed making several passes over the terminal located in WA.

**Amplifying Information:**  
The NICC contacted US Person #1<sup>2</sup> who provided the following information: The helicopter made up to fifteen passes of the same area and an individual was observed taking photos through the window. The type of camera was unknown. US Person #1 contacted the port security and learned port security did not have record of a scheduled fly over. US Person #1 stated they are in a flight path between two airports and it is not unusual for aircraft to make one pass over the facility.

A review of open source revealed a helicopter with the reported tail number of (REDACTED) is registered to US Person #2<sup>3</sup>. The search also revealed US Person #2 maybe the owner of US Company #2<sup>4</sup> which has several helicopters of this size and make. A local airport is located about sixteen miles northwest of the terminal.

---

<sup>1</sup> US Company sensitive information withheld  
<sup>2</sup> US Person sensitive information withheld  
<sup>3</sup> US Person sensitive information withheld  
<sup>4</sup> US Company sensitive information withheld

Page 1 of 1

UNCLASSIFIED//FOR OFFICIAL USE ONLY

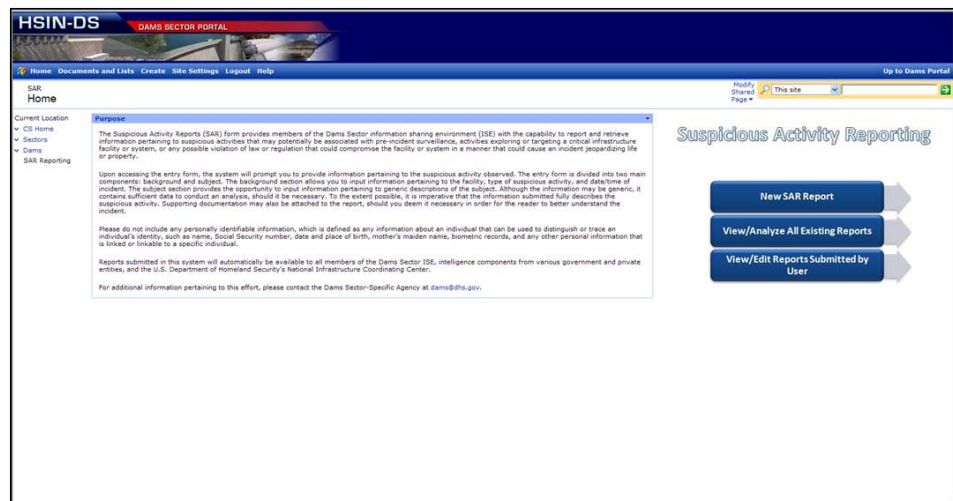
This document is for detecting, detecting, and preventing intrusion. It may be shared appropriately, but should be protected from public dissemination.

For access to the non-redacted report, contact the NICC at [nicc@hqs.gov](mailto:nicc@hqs.gov).

# Homeland Security Information Network

- **Suspicious Activity Reports**

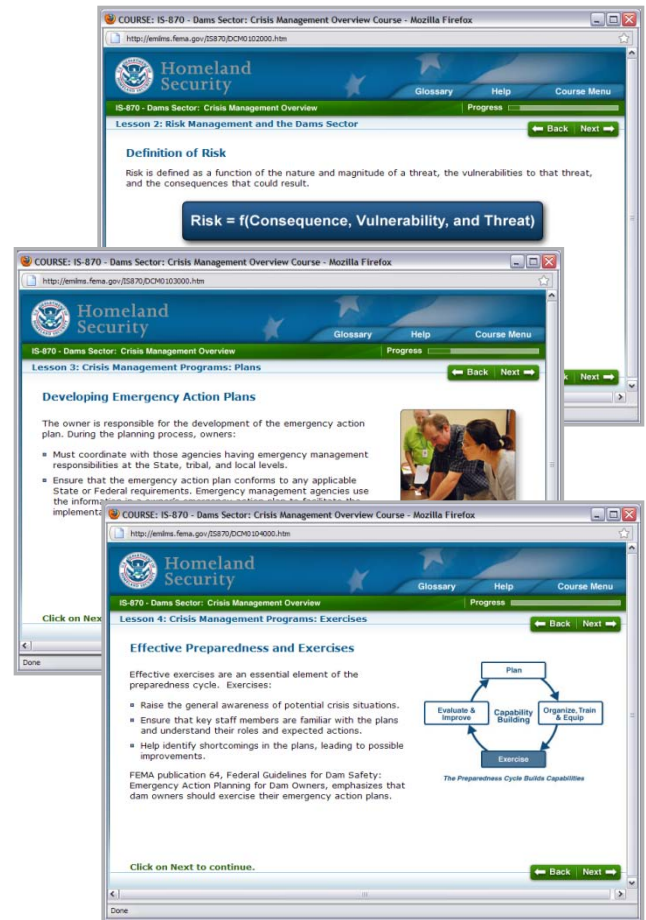
- Information sourced from owners/operators or others observing anomalous activities that, under the circumstances, may be construed as pre-operational preparatory/surveillance, operational activities exploring or targeting a facility or system, or any possible violation of law or regulation that could compromise a facility or system in a manner that could cause an incident jeopardizing life or property.
- Suspicious Activity Reports folder contains a reporting template that members of the Dams Sector ISE may use to facilitate reporting.





# Web-Based Training Modules

- Series of online independent study (IS) training modules developed by the Security Education Workgroup:
  - IS-870 Dams Sector: Crisis Management
  - IS-871 Dams Sector: Security Awareness
  - IS-872 Dams Sector: Protective Measures
- IS-870 available through FEMA Emergency Management Institute.
- IS-871 and IS-872 available through the HSIN-CS Dams Portal.





# Homeland Security

**For Additional Information:**  
**[damsportal@dhs.gov](mailto:damsportal@dhs.gov)**