



Chemical Security

**Office of Nuclear Security and Incident Response
U.S. Nuclear Regulatory Commission**

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Topics

- Background
- Site Visits
- Results
- Discussion on Path Forward

Background

- DHS Appropriations Act for FY2007
- 6 CFR 27 – Chemical Facility Anti-Terrorism Standards (CFATS)
- MOU with DHS
- SECY-11-0108
- SRM-SECY-11-0108

Background : Memorandum of Understanding (MOU) with DHS

- Discusses interaction between NRC and DHS related to chemical security
- Identifies which NRC regulated facilities are exempt, either in whole or in part
- Fuel cycle facilities are exempt from DHS CFATS
- NRC is responsible for regulating the security of chemicals within the OCA

Background : SRM-11-0108 Actions

- Collect data from fuel cycle facilities related to chemicals and associated security
- Consider safety/security interface, to include security derived from safety measures
- Determine tiering of facilities based on potential consequences of chemicals (similar to DHS tiering)
- Determine if security gaps exist for chemicals
- Interact with licensees at a workshop to identify security measures to fill gaps
- Brief TAs and prepare a Commission Paper

Site Visits

- Types of sites:
 - ⊕ Fuel Cycle – Conversion, enrichment, fabrication;
 - ⊕ Examples of Power Reactor (BWR, PWR)

Results

- Reviewed type and amount of chemicals onsite and compared it to DHS' Chemicals of Interest (COI) list.
- Toured the site and observed physical security in place to protect chemicals.
- No significant issues were identified regarding adequate security to protect chemicals from sabotage and theft and diversion.
- NRC staff met with industry representatives to solicit inputs on a path forward.

Path Forward: Options

- Continue site visits
- Leverage other inspector staff resources to review for changes
- Formalize the process through rulemaking
- Annually review licensee emergency plan changes and inquire about planned changes to chemicals of interest

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