



Status of NRC Security Policy Initiatives

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Overview

- Transition from Orders to Rulemaking
- Nuclear Material Security Initiatives
- Status of Homeland Security Initiatives
- New Reactor Security

Power Reactor Security Orders

- February 25, 2002
 - Orders formalizing specific enhancements to security already undertaken by licensees
- January 7, 2003
 - Orders enhanced access authorization requirements
- April 29, 2003
 - Orders required specific enhancements related to:
 - Supplemented design basis threat
 - Guard training and qualification
 - Work hour limitations for security force members

Nuclear Materials Orders

- Large Panoramic Irradiators Security Measures Order - June 6, 2003
- Manufacturing and Distribution (M&D) Licensees Security Measures Order - January 12, 2004
- Transportation of Radioactive Material (RAM) Quantities of Concern (QC) – July 19, 2005
- Measures for other types of sources by prioritized groups of licenses

Transition from Orders to Rulemaking

- **2006 is the Year of Security Rulemakings**
 - Reactor Rulemaking Activities
 - Design Basis Threat – 73.1
 - Reactor Security Requirements – 73.55
 - Security Assessment Rulemaking – 73.62
 - Fitness for Duty Program – Part 26
 - Protection of Safeguards Information – 73.21
 - Nuclear Materials Rulemaking Activities
 - Access Authorization for Non-Reactors – Part 73
 - Nuclear Mtrls. Management & Safeguards System – Parts 40/74/150
 - Material Control & Accountability Program – Part 74
 - Secure Transfer of Nuclear Materials – 73.28
 - Geologic Repository Operations Area Rulemaking – 73.53
 - Radium and Naturally Occurring and Accelerator-Produced Radioactive Material (NARM) Rulemaking – Part 20

Nuclear Material Security Initiatives

- Source Tracking and Material Accountability
 - **Nuclear Materials Management and Safeguards System (NMMSS)** - U.S. national database used by NRC and DOE.
 - **Interim Inventory** - ‘Snapshot’ survey begun in 2004 covering NRC and Agreement State licensees, not DOE sources. Covers IAEA Category 1 and 2 sources; annually updated until National Source Tracking System in place
 - **National Source Tracking System (NSTS)** – Web-based system to improve source accountability and give better information to decision-makers.
- NRC Collaboration with DHS’s Domestic Nuclear Detection Office (DNDO) - Objective is to improve Nation’s capability to detect and report unauthorized attempts to import, possess, store, develop, or transport nuclear or radiological material for malevolent use.

Interactions with Department of Homeland Security Comprehensive Review (CR) Overview

CR: Cooperative government, community, and private sector analysis of high-consequence critical infrastructure and key resources to prevent, mitigate, and respond to catastrophic all-hazard events.

Current Status: 34 sites complete, averaging 3 per month, with an estimated completion date of Fall 2007

Interactions with Department of Homeland Security

Integrated Response Activities

- National Response Plan (NRP)
- National Incident Management System (NIMS)
- National Infrastructure Protection Plan (NIPP)
- Nuclear Sector Specific Plan (SSP)
- Comprehensive Review (CR)
- Integrated Response Enhancements

New Reactor Security

- Licensing
 - Standard Review Plan and Generic Security Plan revisions
 - Inspection, Test, Analyses, and Acceptance Criteria (ITAAC) and Department of Homeland Security consultations
 - Ongoing Design Certification and Early Site Permit reviews
- Policy development
 - Requirements during new reactor construction phase
 - Industry proposals and other technical, programmatic, and scheduling considerations
- Oversight Programs
 - Inspector Program Oversight and Inspector Training



Status of Security Operations

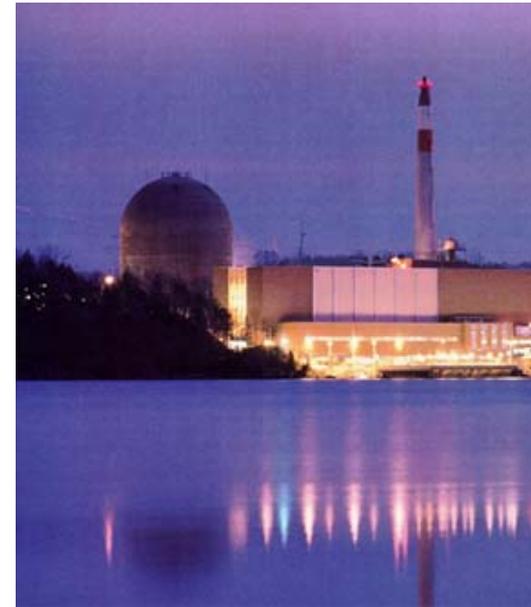
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Overview

- Security Oversight
- Force-on-Force Implementation
- Information Management & Information Sharing
- Summary



Security Oversight

- Completed focused inspections Dec 2005
- Increased focus areas
- Achieved full inspection stability
- Public access
- Annual Report to Congress
- Mitigating Strategy Enhancements
- Spent Fuel Material Control and Accountability
- Other Facilities

Force-on-Force Implementation

- First full year of the new program
- 21 inspections conducted in 2005
- 16 inspections to-date in 2006
- Fully incorporated into Baseline Inspection Program
- Summary of results to-date

Information Management

- Safeguards Information Designation Guide
- Safeguards Information Awareness and Designators Course
- 73.21 Rulemaking
- NUREG 0794, “Protection of Unclassified Safeguards Information”

Information Sharing

- Interagency activities in Classified and Sensitive Unclassified Information programs.
 - A presidential task force is attempting to standardize sensitive unclassified information security categories and handling requirements across the federal government.
 - Changes are being proposed to long standing concepts in the classified information arena, e.g., need-to-know and the Third Agency Rule for access and distribution of information.

Key Challenges

- Updating inspection procedures
- Communicating and sharing operating experience and inspection information
- New Reactor Oversight
- Continuous improvement through effectiveness and efficiency

Strategies for Success

Maintaining Stability of the Security Program

- Update Oversight Program
 - Security inspection program
 - Procedures, etc.
 - Expand ROP security cornerstone to include material control and accounting (MC&A)
- Transfer reactor MC&A inspection programs to Regions
- 2nd cycle FOF enhancements

Strategies for Success

Continuous Improvement

- Continuous improvement in organizational effectiveness
- Use information technology to facilitate business processes
- Enhance knowledge management

Security Operations Summary

- Stability and consistency achieved
- Continued focus on protecting the public
- Anticipating the future and enhancing effectiveness



Related Security Topics

September 14, 2006

John Tomlinson

Senior Policy Advisor on Security

2005 Energy Policy Act

Examples of Security-Related Provisions

- Design Basis Threat
- Enhanced Weaponry
- Force On Force
- Federal Security Coordinator Initiative
- Enhanced Fingerprinting Protocols
- Sabotage/Introduction of Weapons & Explosives
- New Reactor DHS-NRC Consultation

Interagency Cooperation and Collaboration On Security

- Modeling
- Intelligence Sharing
- Communications Interoperability
- Government Accountability Office Reviews
- Operational Security (OPSEC)