



**RIC 2008
REACTOR SECURITY
UPDATE**

Doug G. Huyck
Branch Chief, Reactor Security Licensing and
Programs
Division of Security Policy
Office of Nuclear Security Incident Response



AGENDA

- **Fitness for Duty**
- **Access Authorization**
- **Insider Mitigation**
- **Operating Reactor Licensing**
- **New Reactor Licensing**
- **Part 73 Rulemaking**
- **Integrated Response**

2



Fitness For Duty (FFD)

Implementation Dates

- Final Rule to Federal Register by 3/14/08
- 30 days for Construction Activities
- 1 year for Operating Facilities
- 18 months for Fatigue Requirements

Guidance

- Regulatory Guides planned for Construction and Fatigue

3

 **USNRC Access Authorization (AA)
Insider Mitigation (IMP)**

AA

- Providing technical support for rulemaking (10 CFR 73.56) and guidance development (NEI 03-01)
- Industry provided NEI 03-12 (Appendix F) for security during new reactor construction, staff reviewed, and are currently working with the industry to resolve staff comments. Based on Commission direction, the staff will conduct rulemaking

IMP

- Providing technical support for rulemaking (10 CFR 73.55) and guidance development
- Continuing to monitor events and track trends in the industry relating to IMP, FFD, AA, and Behavior Observation Program

4

 **USNRC Operating Reactors**

Licensing Reviews

- 50.54(p)(2), security plan changes
- 50.90, security plan amendments
- In 2007, the staff completed its first licensing review and approval of a Remotely Operated Weapons Systems

Staff Review Guidance

- NUREG-0800, Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants
- NEI 03-12, (NRC endorsed) Security Plan Template

5

 **USNRC New Reactors**

Design Certification Reviews (4)

- ESBWR, EPR, AP1000 (Amendment), US-APWR

COL Reviews (6)

- South Texas, Bellefonte, North Anna, William Lee, Shearon Harris, Grand Gulf

6



New Reactors

Staff Review Guidance

- Regulatory Guide 1.206, COL Applications for NPPs
- NUREG-0800, Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants
- Nuclear Power Plant Security Assessment Format & Content Guide
- SAND2007-5591, Nuclear Power Plant Security Assessment Technical Manual

DHS consultation (EPAct 2005 Section 657)

- NRC-DHS Memorandum of Understanding signed 2/20/2007
- DHS final report to be issued for each new reactor location after site visit

7



Part 73 Rulemaking

- Draft Regulatory Guides that support the rulemaking are being published as completed
- Draft Final Rule text is available for stakeholders
- Final rule package to EDO 6/30/2008

8



Integrated Response

- An approach to prevention and response against threats at nuclear power plants
- Enhancements to law enforcement's tactical response to power reactor sites

9
