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Agenda

- Power Reactor Security Baseline Inspection Program
- Force-on-Force Inspections
- Openness
- Adversary Characteristic Screening Process
- Human Performance Issues

Power Reactor Security Baseline Inspection Program

- Post 9/11 Security Enhancements
 - 2002 Interim Compensatory Measures
 - 2003 Orders
 - 2004 Implementation
 - 2004 Annual baseline inspection hours increased from 5390 to 8190
- 2005 Focused Inspections
- 2006 Revised Baseline Inspections

Power Reactor Security Baseline Inspection Program

- Baseline Inspection Areas
 - Access Authorization
 - Access Controls
 - Contingency Response
 - Security Plan Changes
 - Equipment Performance, Testing and Maintenance
 - Protective Strategy Evaluation

Power Reactor Security Baseline Inspection Program

- Baseline Inspection Areas (continued)
 - Security Personnel Training
 - Fitness for Duty Program
 - Owner Controlled Area Controls
 - Information Technology Security
 - Material Control and Accounting
 - Physical Protection of Shipments of spent nuclear fuel.

Security Baseline Inspection Status

- CY 2006 Security Inspection Program Results (Without FOF)
 - 277 Inspections conducted
 - 71 Total inspection findings
 - 60 Green findings
 - 2 Greater than Green findings
 - 5 SL IV violations
 - 4 Greater than SL IV violations
 - 3 Special inspections conducted

Security Baseline Inspection Status

- CY 2007 Security Inspection Program Results (through June)
 - 120 Inspections conducted
 - 78 Total inspection findings
 - 44 Green findings
 - 0 Greater than Green findings
 - 31 SL IV violations
 - 3 Greater than SL IV violations
 - 0 Special inspections conducted

Continuous Improvement

- Inspection Procedure Focus
- Alignment with Reactor Oversight Process
- Cross-cutting Aspects
- Stakeholder Communications

Force-on-Force Background

- Pre – 9/11 Operational Safeguards Response Evaluation (OSRE)
- 2002 Expanded Table Top Drills
- 2003 Pilot FOF Exercises
- 2004 Transition FOF Exercises
- 2005 Energy Policy Act

Force-on-Force Enhancements

- MILES
- Composite Adversary Force
- Controller Training

Force-on-Force Inspection Status

- FOF Inspection program began Nov 2004
- First cycle will be completed Dec 2007
- In 2007 NRC began adding beyond DBT training exercises to the FOF program

Force-on-Force Inspection Status

- Cumulative FOF Inspection Summary at NPPs (As of Jun 2007)
 - 55 Total inspections completed
 - 54 Total inspection sites
 - 158 Exercises conducted
 - 6 Total inspection findings
 - 4 Green findings
 - 0 Greater than Green findings
 - 2 SL IV violations
 - 0 Greater than SL IV violations

Continuous Improvement

- Increased Realism
- Increased Performance Based Measures
- Integration of External Agencies
- Expanded Beyond DBT Exercises

Stakeholder Communications

- Timely Notification of Authorized Stakeholders
- Inspection Report Cover Letters
- Annual Report to Congress

Stakeholder Communications

- The staff has submitted a paper notifying the Commission of our plan to hold a public meeting regarding making security inspection programs more open to the public.

Threat Assessment Process

- NRC staff continues to increase access to Intelligence Community
- Ongoing review informs policy
- Design Basis Threat concept provides basis for design of physical protection systems and strategies

Design Basis Threat

- Design Basis Threat Statements
 - Establish baseline adversary characteristics for standard security system design
 - Informed by both adversary capabilities and available protection strategies
 - Continuing threat environment review of evolving capabilities and methods

Adversary Characteristic Screening Process

- Multiple Steps:
 - Intelligence traffic review using screening process
 - Capabilities (group and vehicle bomb size, weapons, etc.)
 - Tactics, Techniques, and Procedures
 - Coordinate with the Intelligence Community, Federal law enforcement agencies

DBT Development

- Assess Protective Strategy Impacts
- “Reasonable” Test
 - Private Force Capabilities
 - Unintended Consequences
 - Enemy of the State
 - Federal Actions
- Final policy decision for DBT attributes rests with the Commission

Human Performance Issues

- Peach Bottom video and others
- Reliance on security officer alertness
 - Deterrence
 - Detection and assessment
 - Timely response with commensurate force
- Culture shift needed

Human Performance Issues

- NRC has taken the following actions
 - Random unannounced checks of security officers by resident inspectors
 - Security Advisory issued to all licensees
 - Calls to executives at all sites by Regional Administrators
 - DEDO briefing to all CNOs
 - Additional inspections

Human Performance Issues

- Additional Actions
 - Generic communication requiring licensee response
 - Review baseline inspection procedures
 - Outreach to security officers
 - Review allegation process



Questions?