

# **Post-9/11 Emergency Preparedness Initiatives**

**U.S. Nuclear Regulatory  
Commission**

**Tri-State Directors Meeting  
Northampton, Massachusetts  
July 28, 2005**



# Outline

- NRC Emergency Planning, Preparedness & Response
- Post 9/11 Changes and Challenges
- Post-9/11 Enhancements
  - Onsite enhancements
  - Offsite enhancements

# NRC Emergency Planning, Preparedness & Response

- NRC is a Safety, Security & Emergency Preparedness (EP) Organization
- Emergency Preparedness Directorate (EPD) Created to Enhance NRC Focus on Integration of Safety, Security & EP
- EPD Relocated to Nuclear Security & Incident Response (NSIR) to Better Coordinate with Response & Security Responsibilities

Director, Emergency  
Preparedness Directorate

Section Chief,  
Inspection & Communications

Section Chief,  
Licensing & Regulatory Improvements

Communications  
Team

Inspection  
Team

Licensing  
Team

Security Interface  
Team

Regulatory  
Improvements Team

- Communications
  - Internal Outreach
  - External
- Outreach
  - Webpage
- Media Center & Public Information Guidance
- Interagency
- International
- KI/Radiopharm

- Inspections (SDP/PI)
- Event Follow-up
- Regional Support
- EP Training Development

- Licensing Actions
- New Reactor Licensing

- FOF Exercise Support
- EP/Security Orders

- Regulatory Guides
- Rulemaking
- Generic Communications
- Information Notices
- Regulatory Issue Summaries

# Post-9/11 Changes

- Federal Agency Coordination (Including Creation of Department of Homeland Security (DHS) & Establishment of State & Local DHS Counterpart Organizations)
- National Response Plan
- Force on Force Exercises
- Review of EP Planning Basis

# Post-9/11 Challenges

- Terrorist Attack Scenarios Present Challenges
  - Differences in Accident Precursors
  - Challenges to Response
    - Challenges to Resource Deployment
    - Loss of Resources Possible
  - Coordination Issues
  - Threat of Coordinated Attacks on Multiple Facilities

# Post-9/11 Enhancements

- Staff issued NRC Bulletin 2005-02, “EP and Response Actions for Security-Based Events,” on July 18, 2005
- A bulletin is a generic communications product from the NRC used to address significant issues in a expeditious manner
- A bulletin requests information from and requires a written response from a licensee but a bulletin can not require licensee commitments
- Response to the Bulletin will be forwarded to the Commission
- The Emergency Preparedness Review Meeting on August 31 and September 1, 2005, will seek stakeholder involvement on range of 9/11 issues and potential subsequent rulemaking or changes to guidance/ regulations

# Emergency Preparedness/ Security Interface

- **Onsite** (NRC Bulletin 2005-02)
  - Enhanced Emergency Action Levels
  - Enhanced Onsite Protective Actions
  - Abbreviated Notification to the NRC
  - Security-Based EP Drill and Exercises
  - Emergency Response Organization (ERO) Staff Augmentation



# Enhanced Emergency Action Levels (EALs)

- Proposed Armed Attack EALs  
Made More Proactive
- **General Emergency** Remains the  
Same

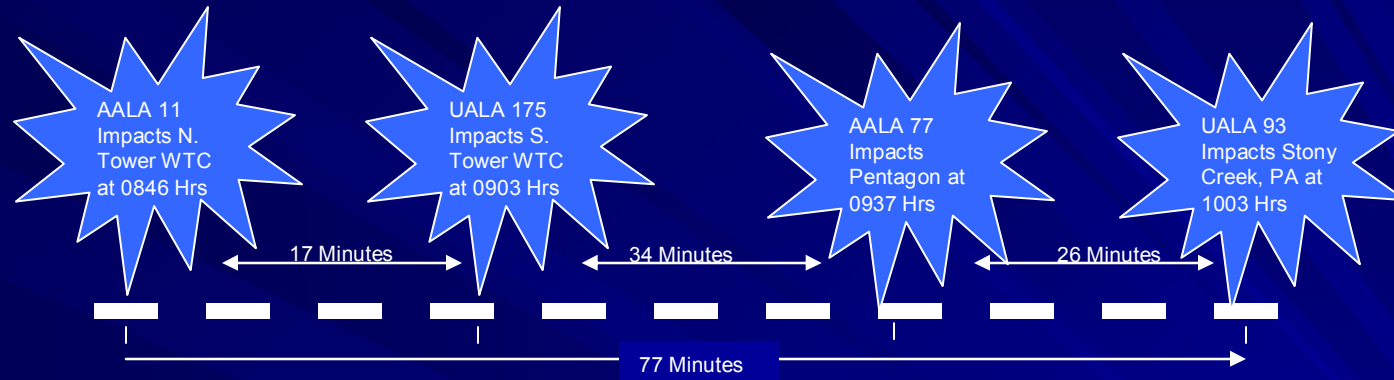
# Enhanced Onsite Protective Actions

- Onsite Consideration of Protective Actions for Armed Attacks
- Industry-wide implementation of best practices
- Enhancements for Protective Actions for Aircraft Attack

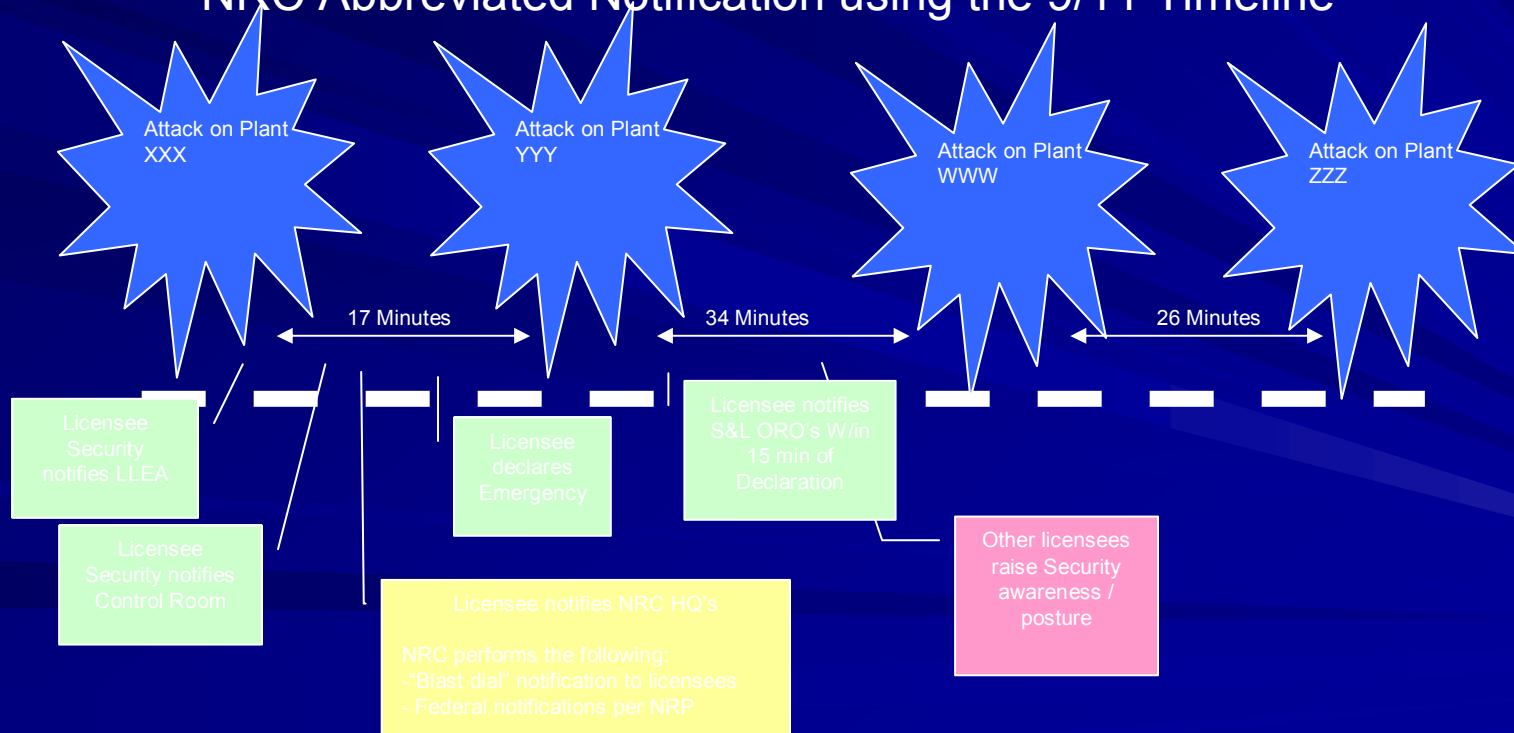
# Abbreviated Notifications to the NRC

- Abbreviated and Prompt Notification to NRC of Imminent Threat
- NRC Will Warn Other NPPs & Notify DHS
- Implementation of the National Response Plan (NRP) for Incident of National Significance (INS)

# 9/11 Event Timeline



## NRC Abbreviated Notification using the 9/11 Timeline



# Security Based EP Drills & Exercises

- Pilot Drills at 4-6 Plants
- Results to Commission
- Conduct Observed Exercise (Off-Year?)  
at Every Site Over Next 3 Years
- Terrorist Scenarios Part of Routine  
Program Thereafter

# ERO Staff Augmentation

- Originated from 2/25/02 Orders
- Evaluation during FOF exercises and inspections indicate not all licensees have implemented consistently
- Reinforce need for ERO staff augmentation

# Emergency Preparedness/ Security Interface

- **Offsite** (Future activities that are also part of the Emergency Preparedness Review Meeting and other outreach venues)
- **Considerations**
  - Enhanced Offsite Protective Actions
  - Abbreviated Notification to the Offsite Response Organizations (OROs)
  - ORO Activation at Alert
- **NRC wants your input**

# Conclusions

- EP Planning Basis Remains Valid
- The NRC staff issued NRC Bulletin 2005-02 to request information related to onsite enhancements to emergency preparedness and response at nuclear power plants in a post-9/11 environment
- The Emergency Preparedness Review meeting will address a range of issues broader than the NRC Bulletin, particularly offsite 9/11 issues
- We are seeking your input for offsite 9/11 enhancements



What Other Initiatives ...  
Enhancements ...  
Should the NRC & FEMA  
Consider?

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