



Update on Emergency Preparedness and Response Activities

2009/2010 NRC Region I/FEMA I, II & III
Joint Emergency Preparedness Information Conference

Chris Miller

Deputy Director for Emergency Preparedness
Division of Preparedness and Response
Office of Nuclear Security and Incident Response

Overview

- Proposed EP Rulemaking and Guidance updates
- Revision to NUREG-0654 / FEMA-REP-1, Rev. 1, Supp. 3
- ERDS modernization
- Hostile Action-Based Drills Transition
- Future Initiatives

EP Rulemaking and Guidance Updates

EP Rulemaking & Guidance

#	RULEMAKING TOPIC	ONSITE GUIDANCE
1	On-Shift Multiple Responsibilities	Interim Staff Guidance
2	Emergency Action Levels for Hostile Action Events	Reg. Guide 1.101
3	Emergency Response Organization Augmentation at Alternative Facility	Interim Staff Guidance
4	Licensee Coordination with Offsite Response Organizations	Interim Staff Guidance
5	Protective Actions for Onsite Personnel	Interim Staff Guidance
6	Challenging Drills and Exercises	Interim Staff Guidance
7	Alert and Notification System Backup Means	Interim Staff Guidance
8	Emergency Declaration Timeliness	Interim Staff Guidance
9	Emergency Operations Facility – Performance-Based Approach	Interim Staff Guidance
10	Evacuation Time Estimate Updating	NUREG/CR-XXXX
11	Emergency Plan Change Process	Draft Reg. Guide 1237
12	Removal of One-Time Requirements	N/A

EP Rulemaking and Guidance Updates Current Status

- NRC Staff has received 94 submissions with 687 individual comments
- Commission briefed on December 8th
- Staff is currently coordinating with FEMA to resolve comments

EP Rulemaking and Guidance Updates ***Remaining Milestones***

- **Complete Draft Final Rule & NRC Guidance**
 - Timeframe: February 2010
- **Review with ACRS Subcommittee and Full Committee**
 - Timeframe: March-April 2010
- **Submit Final Rule to Commission**
 - Timeframe: May 2010
- **Publish Final Rule & Guidance**
 - Timeframe: Fall 2010

Revision to Supplement 3 to NUREG-0654 / FEMA-REP-1, Rev. 1

Supplement 3 Revision Background

- Supplement 3 to NUREG-0654 / FEMA-REP-1, Rev. 1, “Criteria for Protective Action Recommendations for Severe Accidents,” was published in July 1996
- Commission directed the staff to review Supp 3 to determine if an update was appropriate

Supplement 3 Revision Background

- PAR Study - NUREG/CR-6953, Volume 1
 - published in 2007
 - alternative protective actions can reduce public dose during severe accidents
- PAR Study- NUREG/CR-6953, Volume 2
 - published in 2008
 - Insight into public tendencies in responding to protective action strategies

Supplement 3 Revision Background

- PAR Study Volume 3
 - in process
 - analyze protective action strategies for response to large early release

Supplement 3 Revision *Elements*

- Staged evacuation should be initial protective action at General Emergency
- The public will implement staged evacuation and shelter in place (SIP) if the proper messaging is used
- Guidance provided for emergency messaging

Supplement 3 Revision *Elements*

- SIP when impediments to evacuation exist, including hostile action
- Pause before expansion of protective actions to account for mitigative actions
- Large early release protective actions

Supplement 3 Revision *Timeline*

- PAR Logic Diagram developed
- Coordinated with FEMA
- Issue in Federal Register for comment
- Expect to issue guidance in late 2010

ERDS Modernization Project

ERDS Modernization Project

Background

- Phase 1: Upgrade ERDS servers and client software to web-based solution (Complete)
- Phase 2: Transition from analog modem to Virtual Private Network (VPN) technology

ERDS Modernization Project

Reasons for the Transition

- Modem technology is obsolete
- Connection reliability issues
- Modems pose potential security risk to attached systems – NRC planning to remove modems from our IT systems (date TBD)

ERDS Modernization Project

Current Status

- Prototype testing conducted during 9/08-12/08
- RIS 2009-13, “Emergency Response Data System Upgrade from Modem to Virtual Private Network Appliance” issued on 9/28/09
- Encourage licensees to transition now while contractor support is available

Hostile Action-Based Drills Transition

HAB EP Drill Initiative: “In Retrospect”

- Good Practices and Lessons-Learned:
 - NRC Information Notice 2009-19
(ADAMS Accession No.: ML092250360)
 - FEMA Best Practices Report (LLIS.gov)
 - Proposed Revision 2 to NEI 06-04

HAB EP Drill Initiative: “In Retrospect” *Information Notice (IN) 2009-09*

- Utilization of lessons-learned
- Pre-drill table-top
- Scenario development
- Coordination with Security/Law Enforcement
- Coordination of public information dissemination

HAB EP Drill Initiative: “In Retrospect” *Information Notice (IN) 2009-09*

- Delay in licensee ERO mobilization
- Use of alternate facilities
- Incident Command System
 - Incident Command Post (ICP)/Staging Area locations
 - Licensee liaisons to ICP
 - EOC interfaces

HAB EP Drill Initiative: “In Retrospect”

- Provided meaningful learning opportunities for not only licensees and offsite response organization, but Federal agencies:
 - NRC Regional and HQ Participation
 - FEMA Pilot Sites
 - NRC Vetted Draft Inspection Procedure

NRC Internal HAB Drill Lessons Learned

- NRC roles and responsibilities at the Incident Command Post
- Handling and dissemination of information regarding law enforcement activities
- Recognition of NRC badges at local responders' activities and facilities

HAB EP Drill Initiative: “In Retrospect” *NRC Internal Lessons Learned*

- High volume of notifications from NRC HQ staff (aircraft scenario)
- Communications with Licensees
 - RIS 2009-10 (ML091480101)
 - ET Director Communications
 - Security Bridge

HAB EP Drill Initiative

Moving Forward

- Proposed EP Rulemaking
 - Incorporates new exercise requirement for demonstration of hostile action scenario
- Proposed HAB Initiative
 - Continue learning experience prior to implementation of new requirements
 - December 17, 2009 Public Meeting
(Meeting Summary: [ML100080128](#))

NEI / Industry Proposal: Industry Position

- Industry agrees with the NRC/FEMA that the transition period provides valuable opportunity to practice, prepare and validate procedures and NEI 06-04, Rev. 2

NEI / Industry Proposal: Approach

- Industry would continue some level of activity to prepare for eventual evaluation
- NEI will coordinate with the industry to determine level of demonstration activity planned by licensees
- NEI will identify licensees who will be conducting drills or tabletops with OROs over the interim

NRC Contacts (HAB Drills) –

Jim Anderson

Lead, Phase III Drill Coordination

James.Anderson@nrc.gov

301-415-6615

OR

Joe Anderson

Branch Chief, ORLOB

Joseph.Anderson@nrc.gov

301-415-4114

Future Initiatives

Future Initiatives

- NUREG-0654 Revision
- Performance Based/Risk Informed EP

Questions?

Chris Miller
Chris.Miller@nrc.gov
301-415-1086