



**DHS/FEMA Region V REP
Annual Scheduling Meeting**

***NRC EP Program Update:
An Overview***

November 13, 2007

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Security Interface Team

Division of Preparedness and Response

Office of Nuclear Security and Incident Response

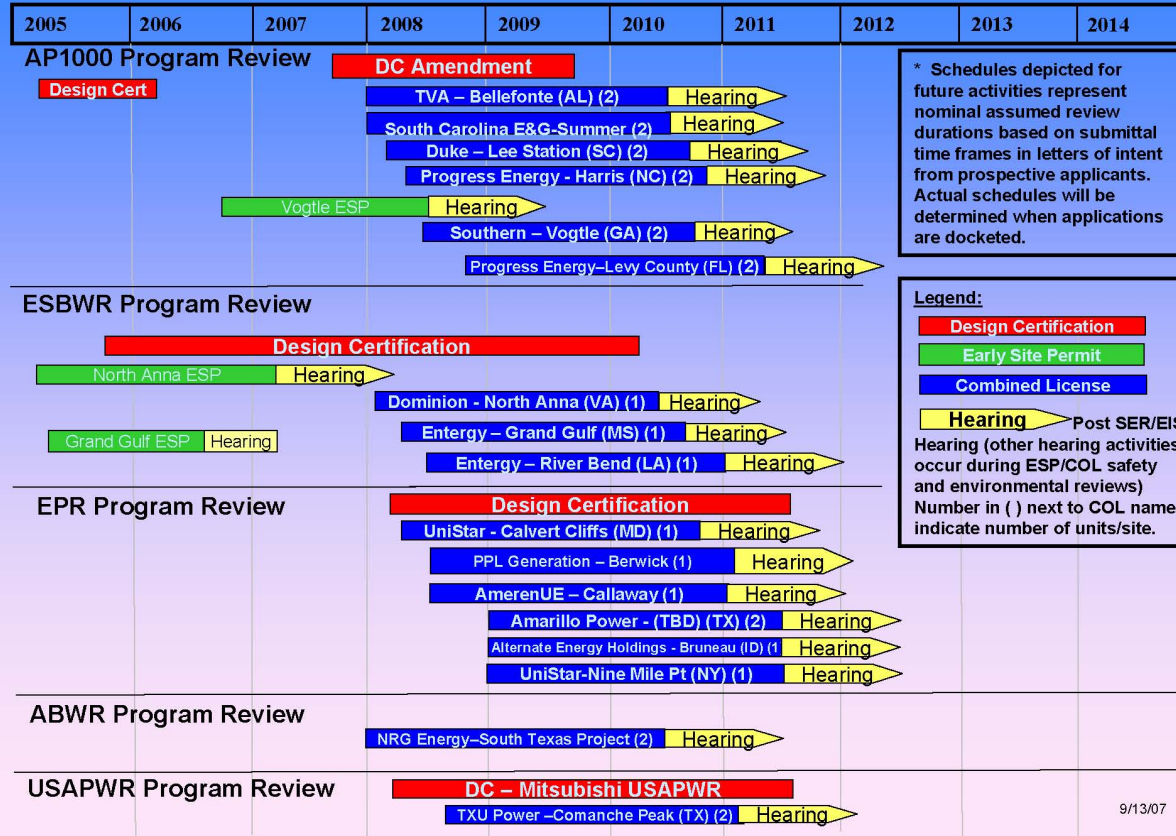


New Reactors: License Infrastructure Development

- Updated Regulations
 - Updated Guidance documents
 - COL Review “EP Template”
 - New Reactor Enterprise Project Management
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New Reactor Licensing Applications (Site and Technology Selected)

An estimated schedule by Fiscal Year





Impact on States

- The affected State needs to provide the applicant Certifications that state:
 - EP Plans are practical
 - Commitment to further develop plans including field demonstrations
 - Commitment to execute responsibilities
 - COL/ESP (complete and integrated plan) must submit State and local emergency plans
 - If a Greenfield site, State and local authorities will have to develop emergency plans to be submitted by the applicant
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Current Activities

- **In Support of New Reactor License Application Reviews**
 - **Design Certifications**
 - ESBWR
 - AP1000 Amendment
 - **Early Site Permits (ESP)**
 - Vogtle
 - North Anna, (Grand Gulf, Clinton – completed)
 - **Combined Licenses (COL)**
 - Calvert Cliffs, Part I – Acceptance deferred
 - South Texas Project, Bellefonte – In acceptance review process
 - Pre-application Public Outreach Meetings
 - Pre-application site visits (To sites without an Operating Rx)
 - **Coordination with FEMA**
 - New Reactor Working Group
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Enhancements to Emergency Preparedness Regulations and Guidance

- Comprehensive Review of EP regulations and guidance
 - Public meetings
- NRC Bulletin (BL) 2005-02
 - “Emergency Preparedness and Response Actions for Security-Based Events”
- SECY-06-0200:
 - Results of review and recommendations for enhancements (Sept 2006)
- SRM-SECY-06-0200:
 - Commission directed the staff to pursue rulemaking (Jan 2007)



Rulemaking Planned Activities

Technical Basis	October 2007
Regulatory Analysis Contract	November 2007
Proposed Rule in Federal Register	February 2009
Resolution of public comments	July 2009
Publication of Final Rule	March 2010
Guidance Documents	September 2010



What are the Issues?

- Hostile Action
 - Other Emergency Preparedness
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How are NRC and FEMA Coordinating?

- NRC/FEMA rulemaking working group
 - Rulemaking working group
 - Security drill and exercise working group
 - NRC and FEMA rulemakings
 - Coordinating, but accomplishing agency direction
 - NUREG-0654/FEMA-REP-1
 - NRC guidance, FEMA regulation
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What Are Our Challenges?

- Enormous rulemaking
 - NRC licensee requirements that impact offsite agencies
 - Future emergency plan changes (onsite and offsite)?
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How Can You Contribute?

■ NRC Website

- Rulemaking Plan: ADAMS no. ML070440148
- Draft Preliminary Rule Language on website late CY 2007

■ Public meetings

- Concurrent with proposed rule (2009)
 - 3-4 regional meetings



PAR Study

- “Review of NUREG-0654, Supplement 3, Criteria for Protective Action Recommendations for Severe Accidents”
 - Initiated by NRC staff with support from Sandia National Laboratories.
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Focus Groups

- The staff conducted a series of public citizens and emergency worker focus groups at: Duane Arnold, San Onofre, Limerick, St. Lucie and Seabrook.
 - The emergency worker focus groups largely consisted of police and paid fire department personnel
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Themes

- Most of the public will do as directed if they understand what they are being asked to do and why it is beneficial
 - The public generally prefers to evacuate
 - Some of these individuals would try and verify the credibility of the warning prior to evacuating
 - Sheltering in place while waiting for additional information was accepted by some members, most said they would evacuate if the sirens were sounded
 - Infrastructure for evacuation needs to address growth in the area
 - Emergency Responders will report for duty
 - Sheltering may be prudent for certain events if impediments to evacuation exist.
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Next Steps

- Public telephone survey
 - What are the goals?
 - Will likely begin in Winter 2008
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Hostile Action Based EP Drill and Exercise Initiative

- Bulletin 2005-02 (July 2005)
 - Identified long-term expectation
- EP component of Force-on Force (FOF) Exercises
 - provided initial lessons learned
- Industry **White Paper**, “Enhancements to EP Programs for Hostile Action”
- Endorsed by **RIS 2006-12** (July 18, 2006)
- Commission SRM M060502 (June 29, 2006)

OMB Control Nos: 3150-0011
3150-0002

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF NUCLEAR SECURITY AND INCIDENT RESPONSE
OFFICE OF NUCLEAR REACTOR REGULATION
WASHINGTON, D.C. 20565-0001

July 18, 2005

NRC BULLETIN 2005-02: EMERGENCY PREPAREDNESS AND RESPONSE ACTIONS
FOR SECURITY-BASED EVENTS

ADDRESSEES

All holders of operating licenses for nuclear power reactors, except those who have permanently ceased operation and have certified that fuel has been removed from the reactor vessel.

PURPOSE

The U.S. Nuclear Regulatory Commission (NRC) is issuing this bulletin to:

1. Notify addressees about NRC staff's need for information associated with emergency preparedness (EP) for security-based events at a nuclear power plant;
2. Request addressees provide information to the NRC within 30 days of this bulletin regarding actions taken or planned to be taken in the areas discussed below:
 - a. Security-based emergency classification levels and emergency action levels (EALs), emergency response organization augmentation for security-based events, and a security-based EP drill and exercise program.
 - b. Accelerated NRC notifications and onsite protective measures;
3. If actions regarding the topics covered in this bulletin have not been taken, the addressees are requested to provide a schedule detailing expected completion dates for all pending activities; and
4. Require addressees to provide a written response to the NRC in accordance with 10 CFR 50.54(f).

BACKGROUND

EP measures are designed to address a wide range of event scenarios. Following the terrorist attacks of September 11, 2001, the NRC evaluated the EP planning basis, issued orders

ML051740058



- **NEI 06-04 (August 2006)**
 - Provide proposed guidelines for the conduct of Phase III site drills
 - Support formal implementation as a biennial exercise (*based on endorsement of guidelines*)

NEI 06-04
Revision 0

Nuclear Energy Institute

**Guideline for the Development of EP
Drill and Exercise Threat-Based
Scenarios**

August 2006

Nuclear Energy Institute, 1776 I St. N.W., Suite 400, Washington, D.C. (202.739.8000)



- VISION: (“No fault”)
 - Validate program changes implemented
 - Demonstrate unique challenges posed by a hostile action based event

 - Drills completed to date:

Quad Cities (April)	Braidwood (July 11)	Brunswick (July 24)
Vogtle (May)	Seabrook (July 18)	Prairie Island (July 24)
Point Beach (August 21)	Perry (Sept. 12)	

 - Remaining CY07 drills: Susquehanna (Nov. 13)
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Key Objectives/Items

- Incident Command Structure (ICS) integration
 - Initial event assessment/mitigation
 - Licensee Emergency Response Organization mobilization
 - Control Room staffing / augmentation
 - Importance of State/local involvement in scenario development and drill conduct/critique
 - Maintaining open ENS line (“commercial aircraft threat”)
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- Revision 1 to NEI 06-04
 - Addresses industry lessons-learned and NRC staff observations
 - Applicable to Phase III drills only
 - NRC will be reviewing for possible endorsement
 - INTENT: Ensure consistency in remaining Phase III drills
 - NRC intends to make available for stakeholder comment
 - Review and submit comments via NRC public website:
<http://www.nrc.gov/about-nrc/emerg-preparedness/respond-to-emerg/hostile-action.html>
 - Informing staff as we move forward with incorporation in routine EP biennial exercise cycle
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- Proposed EP Rulemaking (CY 2010)
 - Address incorporation of hostile action as initiating event in routine biennial EP exercises
- (August 2006) Joint NRC/FEMA Exercise Scenario Working Group
 - Address “preconditioning” of exercise participants (Commission SRM)
 - Identified for NRC/FEMA management consideration: (pending)
 - Changes to Exercise Evaluation Methodology (EEM)
 - Timeline/milestones for engaging stakeholders
 - Senior NRC & FEMA management are currently working towards alignment in support of CY 2010 implementation



Public Meeting

- Held on November 9, 2007 at NRC Headquarters
 - Stressed partnership with all stakeholders, NRC, FEMA, States/locals, & industry.
 - Also, stressed many opportunities for public comment regarding changes in regulations.
 - Encourage joint efforts in drill scenario development including EP, EMA, LLEA, site security, operations, etc...
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Point of Contact

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 - **Rulemaking:** Kathryn Brock
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 - **PAR Study:** Randy Sullivan point of contact
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Questions

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