

Are You Prepared for a Hostile Action-Based Exercise? “NRC Perspective”

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NRC Regulatory Information Conference
March 2013



Background



- NRC Post 9/11 Actions
 - Assessed Emergency Preparedness (EP) Planning Basis
 - Ordered Interim Compensatory Measures
- NRC Bulletin 2005-02
 - Hostile Action-Based (HAB) Pilot Drill Initiative
- New EP Rule - Appendix E to 10 CFR Part 50
 - HAB Evaluated Exercise conducted by Dec 31, 2015
 - HAB Evaluated Exercise once per 8 year cycle

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What is an HAB Exercise?



Simulates an attack against a nuclear power plant sufficient to create the loss of a large area of the site, leaving it in an unknown security state.

Demonstrates:

- Initiation of corrective actions prior to Emergency Response
- Organization mobilization
- Coordination with Incident Command Post to facilitate access to site
- Start up of alternate facilities

Does NOT Demonstrate:

- Tactical responses to defend site, neutralize adversaries, or forcibly regain access to plant areas
- Implementation of Physical Security Plan or transfer of “Safeguards” information



HAB Exercise Guidance



Interim Staff Guidance (ISG): NSIR-DPR-ISG-01

- [N.1.b] Demonstrated once during an 8 year cycle:
 - Hostile action directed at the plant site involving the integration of offsite resources with onsite response;
 - An initial classification of, or rapid escalation to (*within 30 minutes*), a Site Area Emergency or General Emergency;
 - No radiological release or an unplanned minimum radiological release
- Identifies specific HAB scenario elements

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HAB Exercise Guidance



Revision 2 to NEI 06-04, "Conducting a Hostile Action-Based Emergency Response Exercise"

- NRC endorsement of Appendix A **ONLY**:
 - Recommended Objectives
 - Performance Attributes
- Simulation Control Cell Use

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NRC Scenario Review



- New NRC Inspection Procedure: IP 71114.08
- Addresses HAB scenario considerations:
 - Vary radiological release conditions between HAB exercises
 - Mitigative measures / actions
 - Vary hostile action elements and consequences
 - Scenario confidentiality

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NRC Inspection



- New NRC Inspection Procedure IP 71114.07, "Exercise Evaluation – Hostile Action Event"
 - Planned range of protective actions for onsite personnel
 - Risk-Significant Planning Standards
 - Event classification, notifications, protective action recommendation development, and dose assessment
 - Dispatching of liaisons to Incident Command Post (ICP)
 - Readiness of emergency response facilities, including alternate and backup facilities

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NRC Inspection



- Other elements of interest:
 - Site Security interface with licensee emergency response facilities
 - Prioritization of repair/restoration efforts
 - Conduct of operations and repair activities
 - Prompt mobilization or relocation of licensee ERO
 - Use of alternate emergency response facilities

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Learn from Past Experience



- NRC Information Notice 2009-19
- Revision 2 to NEI 06-04
- FEMA Radiological Emergency Preparedness Program Hostile Action-Based Emergency Planning Drill Lessons Learned Report

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NRC Point of Contact



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