

Hostile Action-Based (HAB) Scenarios for Biennial Exercises: **NRC Evaluation**

NEI HAB Exercise Workshop

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New EP Rule

10 CFR 50 Appendix E.IV.F.2.j

Requires, in part, the demonstration of proficiency in the key skills necessary to respond to a hostile action directed at the plant site.

Appendix A, “Drill and Exercise Objectives”

- Endorsed to provide a core set of recommended HAB exercise scenario objectives.
 - Intended to define elements of a “challenging” HAB scenario.
 - Generic set of objectives vs. site specific needs
- Performance Attributes
 - NRC expectations for type and level of performance for respective objective to be adequately demonstrated.
 - Actual performance of activity is expected unless alternate means identified

Level of Simulation

Expectations for simulation / control cell use:

- Site Security activities
 - Central Alarm Station (CAS) / Security Shift Supervisor
- Incident Command Post (ICP)
 - Licensee liaisons / ORO interfaces
 - Location
- LLEA / Fire / Ambulance personnel and vehicles
 - Support for demonstration of mitigation and medical response
- Communication Methods

Inspection Objective: Evaluate the licensee's ability to successfully --

- Implement mitigative measures during a hostile action
 - *Simulated attack onsite is sufficient to create the loss of a large area of the site due to physical damage and/or unknown security state*
- Coordinate ERO actions with Security, Operations and OROs to mitigate plant damage
- Assess performance via a formal critique process, identify and correct weaknesses

Evaluation Unique to HAB

- Successful response and mitigation prior to LLEA declaring the site secure
 - Emergency response organization (ERO) augmentation delay
 - Accessibility of onsite response facilities
- Integrated Response
 - Control Room / ERO / Site Security coordination
 - Incident Command concepts (Near-site LLEA/ORO Interface)

Independent Observation of Licensee Performance

- Licensee capability to effectively implement its emergency plan in a hostile action environment
 - Event classification, notification, PAR development, onsite protective actions, and dose assessment
- Prompt dispatch of liaisons knowledgeable of plant operations, radiation protection, and security aspects to ICP

Inspection Requirements (Cont'd)

- **Observation of other elements of interest (as resources permit)**
 - Support of, and interface with, an ICP to facilitate the transfer of plant information and coordination of response activities
 - Prioritization and urgency of efforts to protect plant equipment or to secure access to plant areas for repairs
 - Response coordination and site access established between on-shift personnel and ORO first responders
- **Readiness of emergency response facilities to include alternate facilities**

- New NRC inspection procedure IP 71114.08
- Addresses HAB scenario considerations:
 - Varying radiological release conditions between HAB exercises
 - Commencement of mitigative actions
 - Scenario confidentiality
 - Vary hostile action elements and consequences

Questions?