



CHANGES AND ENHANCEMENTS IN REP EXERCISE SCENARIOS

STATE PERSPECTIVE: CHALLENGES & LESSONS LEARNED FROM HOSTILE ACTION-BASED EP DRILLS

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(NREP Conference: April 7, 2008)

OVERVIEW:

- State of Illinois conducts many exercises
 - Six nuclear plant sites in Illinois
 - Three exercises per year, plus three dress rehearsals, for a total of six drills a year
 - In 2007, this increased with two tabletops and two hostile action-based EP drills added
- **We can not and should not be required to do everything in every drill**

LESSONS LEARNED: STATE **SUCCESS FACTORS** **(WHAT WE THINK WE DID RIGHT)**

- Treated the hostile action-based EP drill with the same effort as a REP Exercise
- Communicated frequently with Exelon the special needs for a successful State demonstration
- Build on past experience
 - Incorporated lessons learned from first drill into the second, and then third drill (continue to enhance)

LESSONS LEARNED:

FROM 2007 TO 2008

- Part One in Rev 0 to NEI 06-04 was confusing offsite; Rev 1 to NEI 06-04 is a 1000% improvement
- Go back to basic REP drill concepts; no need to reinvent the wheel
- Spent less time and effort stating how different a hostile action-based EP drill is
 - Amount of effort, e.g. messages and data is just as much as that required in a REP Exercise

LESSONS LEARNED: PROTECTIVE ACTION RECOMMENDATIONS

- In a hostile action drill the radiation threat can be secondary
- Most of our procedures and training are based on radiation always being the main threat
- When radiation is not the primary threat shelter can become the preferred strategy

LESSONS LEARNED: REP DRILL VS. HOSTILE ACTION DRILL)

- In one short year we have gone from something far different from a REP drill to something very similar
- Even without a release in the last drill most actions that are done in a REP drill were demonstrated
- Hostile action-based EP drills should have flexibility to keep them interesting
- Even though not required, we could have done an extent of play for a hostile action-based EP drill

THE CHALLENGE

- Everyone is already busy with required exercises and real events
 - Added two tabletops and two drills to the existing three exercises and dress rehearsals
- We have to encourage people to participate
- Intent is to conduct a realistic drill
 - Yet components may realistically may not be present in drill time (e.g., unified area command)

PLANNING FOR A SUCCESSFUL DRILL

- Develop a scope of participation from the start
- The scenario should not be developed until commitments for participation are obtained
- Don't try to demonstrate everything in one drill
- A realistic drill can be boring for some agencies
- Don't feel like everyone has to play

PLANNING FOR A SUCCESSFUL DRILL (CONT'D)

- Use the tabletop to answer questions about how information flows
- Use the tabletop as a teaching tool
- The tabletop is an excellent opportunity to illustrate how another facility functions
- Adjust the drill scenario based on lessons learned from the tabletop

QUESTIONS?

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