

NRC Pre-Submittal Call Briefing Notes

03/12/18

Calvert Cliffs Emergency Planning Future Licensing Actions

Fleet Staffing LAR

- Emergency Response Organization (ERO) Staffing License Amendment Request (LAR) to align with the Exelon fleet.
- LAR will define On-Shift and Minimum Staff positions for the Emergency Response Facilities (ERFs).
- LAR consistent with January 2018 submittal for Exelon Midwest stations.
- Submittal planned for June 2018.

Emergency Operations Facility (EOF) / Joint Information Center (JIC) Relocation

- Calvert Cliffs is pursuing relocation of the EOF/JIC to Coatesville, PA.
 - Exelon's Coatesville EOF/JIC is currently shared by Limerick, Peach Bottom, and Three Mile Island stations.
- Submittal is planned for June 2018.
 - Submittal will be written against Calvert, Limerick, and Peach Bottom, and TMI
- Exelon has had discussions with State/Locals in Maryland and has obtained written concurrence from all six key offsite agencies.
 - Maryland Emergency Management Agency
 - Maryland Department of the Environment
 - Maryland Department of Natural Resources
 - Calvert County
 - Dorchester County
 - St. Mary's County
- Exelon has considered the potential "linkage" issue with the concurrent ERO Staffing LAR and believes they would not be linked based on review of precedent.
 - The EOF relocation LAR considers the facility and its capabilities/space only.
 - LAR will ensure adequate space, equipment and capabilities for the ERO (e.g., workspace, communications, displays), but not evaluate specific ERO Minimum Staff and Full-Augmentation positions.
- Exelon has reviewed recent precedent.
 - Duke's 2016 LAR to combine EOF for six sites.
 - Southern's 2005 EOF consolidation for Hatch, Farley, and Vogtle stations.
- Calvert Cliffs will perform a demonstration drill with the Coatesville EOF. State and NRC will be invited to participate or observe.

- Based on Precedent Review, Exelon understands.
 - Submittal requires Commission approval and SECY from NRC.
 - LAR will address Simultaneous Events at Multiple Stations. Exelon currently performs multi-drills at the Coatesville EOF per the Interim Staff Guidance (ISG).
 - Requirement to maintain a near site location for NRC and offsite agency must be in place response prior to implementation.
 - Training will be provided to Corporate EOF on Calvert characteristics.
 - EOF meets the 75-square foot per person guidance of NUREG-0696.
- Based on precedent, LAR will discuss:
 - Functional Evaluation
 - Location, Structure, Habitability
 - Staffing and Training, - High Level discussion, staff will be experienced
 - Size/Space
 - Radiation Monitoring
 - Communications
 - Instrumentation/Data Systems/Power
 - Technical Data and Data System
 - Records Availability
- Challenges
 - Radio systems for Field Teams may not reach Coatesville PA. Considering use of Satellite phones and Cell phones.
 - Calvert Emergency Plan discusses dedicated Microwave "hot lines" from the current EOF to non-ERFs (i.e., IT, Security, MDE, Electric Operations Building). Our intent is to remove those lines from the Emergency Plan.
- Other Insights?

Technical Support Center (TSC) Relocation

- Calvert Cliffs is conducting a planning study to consider relocating the TSC outside the Protected Area (PA).
- Current TSC is located on an upper floor, adjacent to the Main Control Room in the Reactor block.
- Current size (720 sq. ft.), (small compared to many TSCs today).
- Goal for relocation.
 - Increase space for emergency responders, NRC, and evaluators.
 - Provide additional meeting room space.
 - Upgrade displays for plant parameters, event logs, etc.

- Possible site for re-location of the TSC in the first floor of the Nuclear Office Facility (NOF) outside the PA
- Precedent
 - D.C. Cook LAR to move TSC within the Protected Area – November 2017.
 - V.C. Summer LAR to move TSC outside PA – November 2014 (withdrawn in 2015 as a result of issues associated with the as-built TSC ventilation)
 - Clinton relocated TSC outside PA in 2006
 - TMI TSC relocated outside PA in 2002
- New TSC dose calculation required (TSC Loss of Coolant Accident Radiological Analysis).
- Other Insights?