

Vermont Yankee – Decommissioning Emergency Planning (EP) Status

Nuclear Decommissioning Citizens Advisory Panel (NDCAP)

October 30, 2014



Emergency Planning (EP) Decommissioning Submittal Status

- EP Submittals Made to Date:
 - Post Shutdown E-Plan License Amendment Request (LAR)
 - Covers SAFSTOR Period 1 - Plant Shutdown to April 2016
 - EP Exemption Requests
(Supports Permanently Defueled E-Plan and EALs)
 - Permanently Defueled E-Plan and Emergency Action Levels (EAL) LAR
 - Covers SAFSTOR Period 2 - April 2016 to All Fuel in Dry Storage

Post Shutdown E-Plan LAR

- Submitted on March 24, 2014
- On-Shift Staffing
 - The proposed changes the VY Emergency Plan will eliminate several on-shift positions
- Emergency Response Organization (ERO)
 - The proposed changes do not impact the capability to assess and monitor actual or potential offsite consequences of a radiological emergency
 - Appropriate assessment and mitigation are well within the capabilities of the reduced TSC/OSC/EOF staff

E-PLAN Exemption Requests

- Submitted on March 14, 2014
 - Approval of exemptions forms foundation for Permanently Defueled E-Plan (PDEP) and EALs
 - Utilized Precedent: Kewaunee, Crystal River, Maine Yankee.
 - Supported by Analyses

Permanently Defueled E-Plan LAR

- Submitted on June 12, 2014
- Significant changes:
 - Offsite emergency measures are limited to support provided by local police, fire departments, and ambulance and hospital services as appropriate
 - Shift and ERO staffing reduced commensurate with the hazard
 - Extended emergency declaration, notification, and ERO augmentation times commensurate with the slow progression of postulated events
 - Fire Brigade defined in the Fire Protection Plan

Permanently Defueled EALs

- EAL Classification Levels
 - Unusual Event and Alert
 - Radiological Conditions
 - Hazards
 - System Malfunctions
- ISFSI EALs
 - Unusual Event

Timelines

- Post-Shutdown E-Plan LAR
 - Requesting approval by January 1, 2015 with a 60 day implementation period
 - Based on 4Q14 shutdown and permanent removal of fuel from reactor
- Permanently Defueled E-Plan/EAL LAR
 - Requesting approval by December 1, 2015 with effective date of April 15, 2016
 - Based on 4Q14 shutdown and 15.4 month spent fuel cooling period