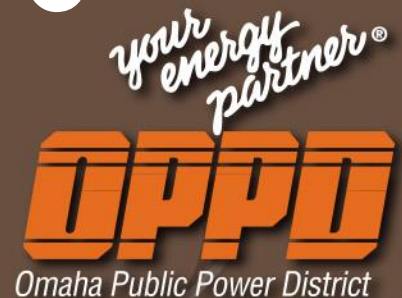


Omaha Public Power District (OPPD)

Fort Calhoun Station (FCS) Decommissioning

October 18, 2016



FCS Decommissioning Team

- Mary Fisher - Sr. Dir. FCS Decommissioning
- Brad Blome - Mgr. Site Regulatory Assurance
- Herb Childs - Mgr. Site Security
- Ted Maine - Mgr. Radiation Protection
- Tim Uehling - Mgr. Site Training

Also present: David Daigle – ENERCON,
Emergency Preparedness Specialist

Background

- OPPD is a publicly-owned electric utility and is a political subdivision of the state of Nebraska
- Governed by a publicly elected Board of Directors
- On 5/12/16, OPPD management recommended ceasing FCS operations to the Board of Directors
- On 6/16/16, OPPD Board of Directors voted and approved ceasing FCS operations and going to SAFSTOR

Initial NRC Submittals

- Initial certification to Permanently Cease Operations by 12/31/16 submitted on 6/24/16
- Updated certification submitted on 8/25/16, FCS will Permanently Cease Operations on 10/24/16
- Certification of Permanent Removal of Fuel from the Reactor Vessel will be submitted in November 2016

Decommissioning Approach

- Multidisciplinary teams supplemented with several vendors with decommissioning experience
- Benchmarking Trips to Crystal River, Vermont Yankee, Zion, Kewaunee; future trips planned
- Industry decommissioning groups
 - Nuclear Energy Institute (NEI) Decommissioning Transition Team
 - Industry Regulatory Assurance (RA) Decommissioning Users Group
 - Emergency Planning Decommissioning Users Group
- Decommissioning Oversight Committee

Key SAFSTOR Decision Points

- Decommissioning Funds
- Possible Decommissioning Services Agreement fourth quarter 2016
- Independent Spent Fuel Storage Installation (ISFSI) timeline and vendor selection for additional casks second quarter 2017
- Evaluate SAFSTOR/DECON timelines

Emergency Plan Changes

Post Shutdown EPlan

- Submitted 9/2/16
- Revised on-shift and Emergency Response Organization (ERO) staffing based on analysis of required post-shutdown ERO positions but does not change any Emergency Action Level (EALs)
- Meeting with all supporting offsite agencies held on 9/8/16; additional meetings are scheduled
- Verification drills including offsite agencies scheduled for first quarter 2017

Emergency Plan Changes

Supporting submittals

- Certified Fuel Handler (CFH) Training Program submitted on 7/7/16
 - One Request for Additional Information (RAI) received; response provided 10/7/16
- Technical Specifications (TS), Section 5, Administrative Controls, License Amendment Request (LAR) submitted 9/28/16
- Severe Weather Security Plan Exemption Request (10CFR73.55) submitted 10/7/16

Emergency Plan Changes

Permanently Defueled EPlan

- Revises EALs, removes all offsite ERO functions and significantly reduces ERO staffing
- Initial draft prepared and undergoing cross-disciplinary team & offsite agency reviews
- Supporting vendor analyses: Zirconium Fire, Shine, Radiation Monitor Set Points and updated Fuel Handling Accident Boundary Dose
- Permanently Defueled EPlan and associated Exemption Requests (10CFR50.47 & App E) will be submitted December 2016

Other Submittal Plans

- NRC fee reclassification in November 2016
- Exemption for Maintenance of Records in December 2016
- SAFSTOR Security submittal in December 2016
- Post Shutdown Decommissioning Activities Report (PSDAR), Decommissioning Cost Estimate (DCE), Spent Fuel Management plan and Limited Site Characterization in first quarter 2017
- Permanently Defueled TS LAR in first quarter 2017
- Insurance Exemption requests in first quarter 2017
- Quality Assurance Topical Report update in first quarter 2017

Other Submittal Plans

Fukushima

- Letter submitted to NRC on 8/12/16 for relaxation of implementation date for compliance with Order EA-12-049 (Mitigation Strategies for Beyond Design Basis External Events) to 8/31/17
- Request to rescind Order EA-12-051 (Reliable Spent Fuel Pool Instruments) submitted 9/9/16
- Updated Overall Integrated Plan (OIP) for EA-12-049 by 10/31/16
- Certify compliance with EA-12-049 by 8/31/17

Other Submittal Plans

Confirmatory Action Letter (CAL) items

- Submit LAR for Class 1 Structures (Auxiliary Building) needed to support decommissioning in October 2016
- Submit letter to request closure of NRC CAL items in October 2016

National Fire Protection Association (NFPA) 805

- LAR to delete Fire Protection License Condition and utilize NFPA 805 Decommissioning Fire Program in December 2016

CyberSecurity

- Applicable CyberSecurity submittals based on proposed NRC guidance planned in first quarter 2017

FCS Decommissioning Closing Comments/Questions

