



**Pre-Submittal Teleconference
Millstone Power Station Unit 2
License Amendment Request
for Spent Fuel Pool Heat Load Analysis
in Response to
Confirmatory Order EA-13-188**

December 17, 2015



Agenda

- **Purpose of LAR**
- **Scope of LAR**
- **Schedule**



Purpose of LAR

- **LAR required by Confirmatory Order EA-13-188 (8/26/15)**
Compliance Item #5:
“By no later than February 15, 2016, DNC will submit a license amendment request seeking NRC approval of the spent fuel pool heat load analysis and any associated technical specification changes. This will be treated as a high priority review by the NRC.”
- **DNC has determined no change to the TS is required**
- **Request approval of the SFP heat load analyses, TS Bases Section 3/4.9.3 and FSAR Section 9.5**
- **LAR meets regulatory criteria and will preserve health and safety of the public**



Scope of LAR

- **LAR will request NRC review and approval of proposed changes to TS Bases Section 3/4.9.3 to remove spent fuel pool decay heat load**
 - **Proposed bases change is based on the TS prior to the 2009 Bases change made by DNC under 10 CFR 50.59**
 - **Change will remove reference to Spent Fuel Pool Decay Heat Load**
 - **The change is consistent with 10 CFR 50.36 and previous License Amendments 240 (2/10/2000) and 315 (6/4/2013)**



Scope of LAR (Continued)

- **LAR will request NRC review and approval of proposed changes to FSAR Section 9.5**
 - **Proposed changes are based on the FSAR prior to the 2010 change made by DNC under 10 CFR 50.59**
 - **Proposed FSAR change reflects revisions to:**
 - Spent fuel movement decay time
 - Cooling water temperatures (RBCCW)
 - Spent fuel movement rate

Scope of LAR (Continued)

- **LAR will provide a summary of the analysis results supporting fuel movement starting at 100 hours after reactor shutdown at a rate of 6 assemblies per hour.**
- **LAR will include the proprietary analyses performed by Holtec International submitted under 10 CFR 2.390**
 - **Holtec Report No. HI-971778, Rev. 2 "Heat Load from the Spent Fuel Pool for 3 Core Unload Scenarios"**
 - **Holtec Report No. HI-2094491, Rev. 0, "Thermal- Hydraulic Analysis of Millstone Unit 2 Spent Fuel Pool with Increased Fuel Transfer Rate and Reduced In-core Hold Time"**
 - **Holtec Report No. HI-981901, Rev. 0 including Addenda A & B, "Spent Fuel Pool Thermal- Hydraulic Analysis for Millstone Unit 2"**



Schedule

- **DNC will submit the LAR by February 15, 2016**
- **Request review of this LAR within one year of submittal**
- **To maintain compliance with the Confirmatory Order, Standing Order 14-21 is in place prohibiting fuel movement prior to 150 hours after shutdown. This will remain in place until NRC makes a final determination on the LAR.**



QUESTIONS?



Acronym List

- **CFR** **Code of Federal Regulations**
- **DNC** **Dominion Nuclear Connecticut**
- **FSAR** **Final Safety Analysis Report**
- **LAR** **License Amendment Request**
- **MPS2** **Millstone Power Station, Unit 2**
- **RBCCW** **Reactor Building Closed Cooling Water system**
- **TS** **Technical Specifications**