



**NRC Amendment Applications Public Meeting
(Open Session – 8:30am 'till 9:30am)**

Date: December 12, 2013

Docket Nos.: 71-9225, 71-9235, and 72-1031

Agenda

- Introductions and opening remarks
- Overview of schedule and amendment applications
 - NAC-STC WVDP-HLW and uncanisterized HBU fuel
 - MAGNASTOR Amendment 5
 - NAC-LWT HEUNL
- Closing remarks and public questions

Introductions and Opening Remarks

- Purpose of today's meeting
 - Provide post-submittal overview of NAC-STC amendment application
 - West Valley Demonstration Project (WVDP) High Level Waste (HLW) that has been vitrified and is contained in HLW canisters
 - Uncanisterized High Burnup (HBU) 17x17 PWR fuel
 - Pre-submittal overview of MAGNASTOR Amendment 5
 - Various fuel enhancements and potential new hardware designs
 - Current status of responding to RAIs associated with the NAC-LWT HEUNL amendment application

NAC-STC Post-Submittal Overview

- Amendment application consists of two scopes
 - WVDP-HLW
 - WVDP-HLW is contained in HLW canisters that are welded closed; these canisters have been sealed and are currently stored in a hot cell at West Valley
 - As part of a DOE storage application, the HLW canisters are being loaded into a HLW overpack (i.e. similar concept to a Transportable Storage Canister (TSC)); within the HLW overpack is a 5 cell basket
 - Uncanisterized HBU PWR fuel
 - PWR 17x17 fuel with a burnup of greater than 45,000 MWd/MTU and less than or equal to 60,000 MWd/MTU
 - Directly loaded into STC (i.e. no TSC)

MAGNASTOR Amendment 5 Pre-Submittal Overview

- Current scopes
 - New PWR preferential loading pattern
 - 4 zone that retains maximum 35.5 kW heat load
 - General reduction of minimum fuel cool times
 - Reduction in RCCA cool times
- Potential scopes
 - Allow un-enriched BWR assemblies to be loaded
 - Increase in current BWR fuel enrichments
 - Zoned BWR enrichment loading pattern
 - Increase in allowed natural uranium axial blanket length

Current Status of LWT HEUNL RAI Responses

- Initial application submitted December 28, 2012
- NRC RSIs received January 31, 2013
- NAC RSI responses submitted March 14, 2013
- NRC RAIs received July 2, 2013
 - NAC has been working with the client on addressing various HEUNL material characteristics questions
 - NAC has implemented design changes and loading requirements to address the behavior of the HEUNL
 - NAC will submit a formal response to the RAIs early 2014 after supporting documentation is complete

PUBLIC COMMENTS QUESTIONS