

Public Meeting with Holtec

HI-STORM UMAX Storage System

Amendment No. 3

December 15, 2020

Agenda

- Welcome and Introduction
- Technical Issues
- Public Comments
- Conclusion

Background

- In UMAX Amendment No. 3, Holtec proposed to include TN's 24PT1-DSC as an approved canister to be stored within Holtec's HI-STORM UMAX Storage System.
- Staff's review focuses on Holtec demonstrating safety of the UMAX storage system

Technical Issues

Issue #1

Certificate of Compliance Boundary

- Holtec proposed certificate of compliance (CoC) boundaries in its responses to RAI-26 and RAI-28 (ML20002A300)
 - The boundary of the HI-STORM UMAX license begins when the canister is already loaded and staged in the NUHOMS transfer cask and transfer begins to the HI-TRAC transfer cask.
 - For the unloading process, the boundary of the HI-STORM UMAX license is with removal of the DSC from the HI-STORM UMAX transfer cask.

Certificate of Compliance Boundary

- The proposed CoC boundaries should be clear and specific.
- The unloading process seems to imply a transfer back to the TN NUHOMS.
- Clear CoC boundary is important for the staff to make its regulatory findings.

Certificate of Compliance Boundary

- Staff seeks to define CoC boundary by specifying clear and specific transition points and understand the implications for these defined transition points.

Issue #2

Canister Service Time

- NRC's RAI-27 asked about the restriction in UMAX FSAR that 24PT1-DSC canisters in use for longer than 20 years are not permitted to be stored in UMAX system. In response to RAI-27 (ML20002A300), Holtec explained that the canister in storage greater than 20 years will be removed from service or a renewal application will be submitted.

Canister Service Time

- The service life of the canister in the UMAX storage system is controlled only by UMAX CoC.
- Clarity of the canister's allowable service life is important for the staff to make its regulatory findings.
- It is not clear how the "20 years" is counted.

Canister Service Time

- Staff seeks to understand the proposed language; “canister in service greater than 20 years” as a license condition or TS, whichever is appropriate.

Public Comments

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