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HI-STORM 100 Amendment 15 Pre-Submittal Public Meeting

Agenda

- Discuss each proposed change included in proposed Amendment 15
- Proposed schedule

Proposed Changes

- HI-STORM 100 Version E Overpack
- HI-TRAC Version MS
- MPC-32M
- Changes to CoC Condition 3 (previously with Amendment 13)
- Additional Proposed Changes

HI-STORM Version E Overpack

- Design changes
  - Similar to approved HI-STORM 100 Version B Overpack
  - Variable height Overpack similar to approved HI-STORM FW
  - Improved thermal cooling
  - Improve flood protection
  - Use with all MPCs approved in HI-STORM 100 system and new MPC-32M

HI-TRAC Version MS

- Design changes
  - Similar to approved HI-TRAC VW (currently in FW)
  - Variable Weight to allow maximizing of shielding
  - Variable Height
  - Increased thermal cooling
  - Use with all MPC approved in HI-STORM 100 system and new MPC-32M

MPC-32M Basket

- Design changes
  - Used with currently approved MPC Enclosure Vessel
  - Basket made of Metamic-HT
  - Variable Height system based upon fuel length
  - Evaluated for use in HI-STORM 100 Version E overpack ONLY
  - Use with standard HI-TRAC and HI-TRAC MS

Changes to CoC Condition 3

- Applies only to canisters currently loaded under Amendments 2 through 7
  - ✓ No change to HI-STORM 100 system
  - ✓ Applies only to currently loaded systems
  - ✓ Allows sites with canisters loaded under various amendments to have one set of monitoring requirements for all canisters

Additional Proposed Changes

- Additional fuel classes
- HI-DRIP Auxiliary System
- Partial Gadolinium Credit
- Alternate Source Term Methodology
- Reduced Ambient Temperature
- Time to Boil
- Non-Mechanistic Tip-Over accident dose limit

Schedule

- Submittal planned for First Quarter 2019
- Request 2 year review and approval