

HI-STORM 100 Amendment 15 Pre-Submittal Public Meeting



Agenda

- Discuss each proposed change included in proposed HI-STORM 100 Amendment 15
- Proposed schedule

Proposed Changes

- HI-STORM 100 Version E Overpack
- HI-TRAC Version MS
- MPC-32M
- Changes to CoC Condition 3
- Additional Minor Proposed Changes

HI-STORM Version E Overpack

- New HI-STORM Overpack version
 - ✓ Similar to approved HI-STORM 100 Version B Overpack
 - ✓ Variable height Overpack similar to approved HI-STORM FW
 - ✓ Improved thermal performance
 - ✓ Improved flood protection
 - ✓ For all MPCs approved in HI-STORM 100 system and new MPC-32M

HI-TRAC Version MS

■ New HI-TRAC version

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

MPC-32M Basket

■ New basket

- ✓ Used with currently approved MPC Enclosure Vessel
- ✓ Basket made of Metamic-HT, same material as MPC-68M basket
- ✓ Variable Height system based on 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

- No change to HI-STORM 100 system design
- Allows sites with canisters loaded under various amendments to have one set of monitoring requirements for all canisters
- Applies only to canisters currently loaded under Amendments 2 through 7
- Applies only to currently loaded systems
- Does not apply to future loadings

Additional Proposed Changes

- Additional Fuel Classes
- HI-DRIP Auxiliary Cooling System
- Partial Gadolinium Credit
- Clarify Source Term Methodology for Site Specific Evaluations
- Modified Long Term Storage Condition Ambient Temperature
- Horizontal HI-TRAC Transfer
- Non-Mechanistic Tip-over Shielding Analyses

Schedule

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