

## LICENSING OF THE HI-STORM UMAX STORAGE SYSTEM

USNRC Docket #72-1040

a generation ahead by design

A Pre-Submittal Briefing to the SFST

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## HI-STORM UMAX LICENSING APPROACH

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- The HI-STORM UMAX is licensed under a separate docket. This approach is based on the experience with the HI-STORM 100U.
- The interface between the HI-STORM UMAX Docket and the host dockets for the MPCs and HI-TRACs need to be clearly defined.
  - Provide clarity with respect to applicable requirements.
  - Avoid overlap and duplication.

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## HI-STORM UMAX LICENSING APPROACH (CONT.)

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- Interface between Dockets
  - The HI-STORM UMAX FSAR/CoC/TS contains all relevant details on the VVM and its operation.
  - MPCs and HI-TRACs are considered interfacing structure that have their separate licensing bases (HI-STORM 100 and HI-STORM FW FSARs/COCs/TSs). Those are referenced in the HI-STORM UMAX licensing documents.
  - Generic information and specifications for those interfacing structures, such as the approved contents for the MPCs, are NOT repeated in the HI-STORM UMAX licensing documents.
  - If there are any restrictions of, or adjustments to, the MPC/HI-TRAC parameters that would be required for operation with the HI-STORM UMAX, then those are listed in the HI-STORM UMAX FSAR/CoC/TS as applicable.

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## HI-STORM UMAX LICENSING APPROACH (CONT.)

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- Maintaining the Interface between Dockets
  - Amendment Numbers of the MPCs and HI-TRACs that are approved for use with the HI-STORM UMAX will be listed in the HI-STORM UMAX FSAR to provide a clear relationship between 100/FW and UMAX systems and amendments.
  - Initially, the HI-STORM UMAX FSAR will list the approved amendment numbers of the HI-STORM 100 and FW at the time of the HI-STORM UMAX submittal.
  - When new HI-STORM 100 or FW amendments are approved, the HI-STORM UMAX FSAR will be updated under the 72.48 process to reflect those new amendments. If necessary, this will trigger conforming changes and evaluations for the HI-STORM UMAX FSAR. This could also trigger license amendments for the HI-STORM UMAX in case a change to the HI-STORM UMAX CoC is necessary.
  - If it is already anticipated that a HI-STORM UMAX CoC amendment will be needed for a HI-STORM 100 or FW amendment, then the HI-STORM UMAX amendment request may be directly submitted with the HI-STORM 100 or FW amendment request.

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## HI-STORM UMAX LICENSING SCHEDULE



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- Licensing submittal and review scope for the HI-STORM UMAX is much smaller than for HI-STORM 100 or HI-STORM FW
  - No MPCs, no HI-TRACs
  - No loading operations , welding etc.
  - No new technical problems, no new calculational methods to develop
- Technical review of the HI-STORM FW took only about 10 month.
  - Included two new canisters and baskets
- Technical review of the HI-STORM UMAX should be possible within 6 month
- Proposed licensing schedule
  - Application submittal: June 2012
  - SER (including RAI responses): January 2013
  - Approved CoC: August 2013