HOLTEC PRESENTATION TO NRC

HI-STORM 100
AMENDMENT REQUEST 1014-2

AGENDA

- Morning Session
  - Opening Remarks (Dr. K.P.Singh)
  - Inspection Item Follow-up (B. Gutherman)
  - HI-STORM Amendment Request 2 Overview (B. Gutherman)
    - Format and Content of Submittal
    - Overview of Significant Changes

Agenda (cont'd)

- Afternoon Session
  - Holtec Proprietary Information
    - Criticality analysis (Dr. Stefan Anton)
    - Confinement analysis (Mr. Kristopher Cummings)
    - Thermal analysis (Dr. Indresh Rampall and Dr. Kris Singh)
    - Burnup and cooling time limits (Dr. Everett Redmond II)

Inspection Follow-up Item

- October 24, 2001 Holtec letter to NRC addresses handling of changes to information under active NRC review
  - Three Scenarios = Three Courses of Action
    - Submit revised application on mutually agreeable schedule
    - Submit as part of RAI response or hold for 72.48
    - Hold for 72.48 until after amendment is approved
- HQP 19.2 enhanced to provide a process for deferred approval of 72.48

HI-STORM AMENDMENT 2

- Submittal package format and content (LAR 1014-2)
  - Cover letter
  - Summary of proposed changes
  - Mark-up of proposed CoC changes
  - Revised CoC with changes incorporated
  - Drawings, if necessary
  - Proposed Rev. 2 FSAR section changes

HI-STORM AMENDMENT 2

- Overview of Significant Proposed Changes
  - Estimated 16 total changes
  - MPC basket neutron absorber material
  - Relocation of dose rate and contamination LCOs to a TS program for radiation protection
  - ASME Code Alternatives
    - New/revised alternatives
    - Applicable Editions for Sections V and IX

HI-STORM AMENDMENT 2

- Change Overview (cont'd)
  - Contents changes
    - PWR neutron sources
    - Modified heat load limits
    - Re-formatted burnup/decay heat limits
      - Separate by fuel assembly class
    - Damaged fuel/fuel debris in MPC-32(F)
    - High burnup for fuel with advanced zirconium-based cladding material

HI-STORM AMENDMENT 2

- Change Overview (cont'd)
  - FSAR Changes requiring prior NRC approval
    - Conforming changes in support of CoC changes
    - Relocation of structural/confinement calculation material (Ch. 3 and 7)
    - Refined confinement methodology (Ch. 7)
    - Occupational dose estimates set in time (Ch. 10)
    - Align QA program details with NRC-approved QA program (Ch. 13)
  - Schedule
    - Current submittal schedule 2/28/02
    - Projected amendment approval 2/28/03