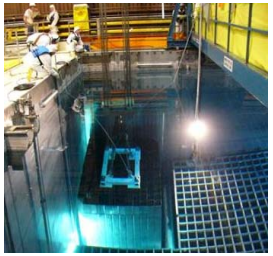
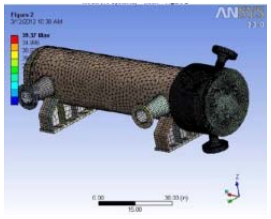
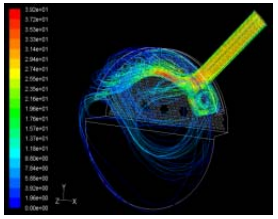
Holtec International – HI-STORE RAIs – Chapter 5










Chapter 5 RAIs

- RAI 5-3
  - NRC requests details of the anchor rods of the HI-TRAC CS
  - Holtec will update drawings to provide details of the anchor rods and the HI-TRAC CS restraints, and update seismic analysis to consider combined shear, bending and tension in the anchor rods
- RAI 5-4
  - NRC requests seismic evaluation of cask handling operations
  - Holtec will provide seismic evaluations of all cask handling operations along with updated operational procedures
- RAI 5-8
  - NRC requests calculations for the VCT with specific details
  - Holtec will provide details of the VCT and associated calculations under all applicable conditions, and will also provide details of other handling equipment

Chapter 5 RAIs

- RAI 5-9
  - NRC requests more details and analyses for the CTB
  - Holtec will provide drawings, details, applicable design codes and all supporting analyses for CTB as requested
- RAI 5-10
  - NRC requests fatigue life of VCT, HI-TRAC CS and all associated equipment
  - Holtec will perform the fatigue analyses (including low cyclic fatigue) and provide the number of allowable canister deployments associated with VCT, HI-TRAC and other handling equipment
- RAI 5-11
  - NRC requests details on groove weld options
  - Holtec will update drawing to remove the groove or equivalent weld option

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- RAI 5-13
  - NRC requests clarification on ITS welds and sizes
  - Holtec will revise drawing to clearly identify ITS/NITS components and provide appropriate weld sizes for ITS welds
- RAI 5-14
  - NRC needs details on pedestal for the HI-STAR 190 in the CTF
  - Holtec will provide drawing with pedestal design and appropriate supporting analyses
- RAI 5-15
  - NRC requests revision to the LS-DYNA model to address hour glassing energy
  - Holtec will revise stack-up analysis accordingly

Chapter 5 RAIs

- RAI 5-18-S-1
  - NRC requests details on CLSM used for CTB slab
  - Holtec will update CTB drawing to provide details (reinforced concrete slab supported by CLSM)
- RAI 5-18-S-2
  - NRC requests details and calculations for the CTB floor slab and CTF
  - Holtec will provide updated drawing and analyses of the CTB floor slab and CTF for all applicable loadings
- RAI 5-21
  - NRC requests stress-strain curves based on material testing
  - Holtec will use recent information from HI-STAR ATB-1T and HI-STAR 100MB

Chapter 5 RAIs

- RAI 5-23
  - NRC requests buckling analysis of horizontal lift beam along with CTB, crane and rigging details
  - Holtec will provide buckling analysis of horizontal lift beam and seismic analyses of all lifting and handling equipment including slings
- RAI 5-24
  - NRC requests information on seismic loads on transportation cask lifting equipment
  - Holtec will provide seismic analyses of the lifting/handling equipment for transportation cask