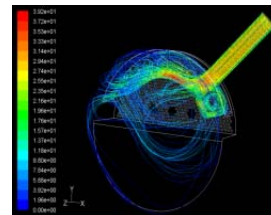
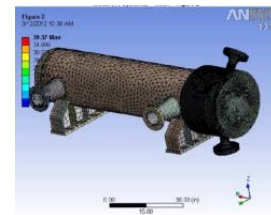
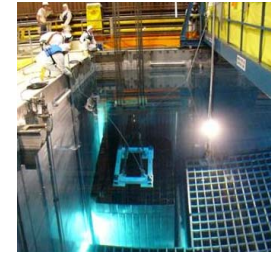


# Holtec International – HI-STORE RAIs – Chapter 2



## Chapter 2 RAIs

- RAI 2-7
  - ✓ NRC requests bases for assumptions in explosion hazards evaluation
  - ✓ Holtec response will perform dispersion analysis
- RAI 2-8
  - ✓ NRC requests basis for drilling permissions
  - ✓ Holtec will provide information to support this statement
- RAI 2-12
  - ✓ NRC requests legend for Figure and potash mining restrictions
  - ✓ Holtec will provide the requested information
- RAI 2-14
  - ✓ NRC requests information on hazardous chemical transport by road or rail
  - ✓ Updated hazards evaluation including hazardous chemicals to be provided

## Chapter 2 RAIs – PMP / Flood

- RAI 2-16-1 - NRC requests basis for precipitation estimate (point vs areal)
  - ✔ Holtec response will remove discussion of the 100 year storm in question and only present the design storm from the PMP/PMF report.
- RAI 2-16-2 – NRC requests technical basis for using the CO-NM study
  - ✔ The PMP/PMF report has been revised to include additional technical detail and justification for the CO-NM method as well as using the bounding case between CO-NM and HMR for each storm case.
- RAI 2-17-1 – NRC requests modeling information related to Laguna Gatuna and Laguna Plata
  - ✔ Holtec has removed the 100 year storm.
  - ✔ The PMP/PMF report and data package includes modeling detail about the Laguna Gatuna, Laguna Plata, and Laguna Tonto watersheds.

## Chapter 2 RAIs – PMP / Flood



- RAI 2-17-2 – NRC requests details on the curve numbers (CNs) utilized
  - ✔ The updated PMP/PMF report includes sensitivity studies to show the selected curve numbers are applicable.
- RAI 2-18 – NRC requests justification for use of generic parameters
  - ✔ The updated PMP/PMF report includes sensitivity studies to show the applicability of the selected parameters.
  - ✔ Holtec is providing additional description of the deterministic design approach used as discussed in NUREG/CR 7046.
- RAI 2-19 – NRC requests impact of on-site flooding to ITS components
  - ✔ Holtec is addressing the effects of floodwaters on affected ITS components and presenting mitigating actions for erosion.

## Chapter 2 RAIs – PMP / Flood



- RAI 2-20 – NRC requests additional analyses to address Laguna Gatuna hydraulic structure impacts
  - ✔ Holtec has removed the 100 year storm from the SAR.
- RAI 2-22 – NRC requests additional information on rail embankment impact of flood modeling
  - ✔ Holtec will provide discussion of the modeling consideration of the rail embankment.
- For all of these RAIs, Holtec plans to submit an updated flood report which will address these concerns

## Chapter 2 RAIs

### ■ RAI 2-29

- ✓ NRC requests updated reference
- ✓ Holtec will provide with RAI responses

### ■ RAI 2-32

- ✓ NRC requests liquefaction reference
- ✓ Holtec will provide with RAI responses

## Chapter 2 RAIs – end of August



### ■ RAI 2-33

- ✓ NRC requests justification for geotechnical parameters used in the Bearing Capacity report
- ✓ Holtec is revising this report to address the bulleted items addressed in the RAI
- ✓ Experienced Geotechnical Engineers with GEI are assisting with justifying material properties and/or recommending more accurate properties as necessary

### ■ RAI 2-42

- ✓ NRC requests details on the Chinle formation characteristics
- ✓ Holtec is revising the Bearing Capacity/Settlement report to address this concern
- ✓ Experienced Geotechnical Engineers with GEI are assisting with justifying the correct layered system to accurately calculate and estimate the bearing capacity and settlement.