Audit Plan
NRC Staff Audit of Holtec's Responses to Second Request for Additional Information, issued in connection with NRC's Review of the HI-STORE Consolidated Interim Storage Facility (Docket No. 72-1051)
January 19-20, 2022

A. Location

The audit will be held on January 19, 2022, from 10:30 am – 4:00 pm EDT, and on January 20, 2022, from 9:00 am - 12:00 pm EDT, at the address below:

Holtec International Technology Campus
1 Holtec Blvd
Camden, NJ 08104

B. Background

The NRC staff is conducting a detailed safety, security, and environmental review of Holtec International's application for a site-specific independent spent fuel storage installation license to construct and operate the HI-STORE Consolidated Interim Storage Facility (CISF). In connection with its safety review, the staff has identified several issues related to Holtec's responses to NRC staff's second request for additional information (ML21124A308). Holtec's responses were submitted on June 30 (ML21224A105), August 16 (ML21228A201), and August 31 (ML21243A525), 2021. During the audit, NRC staff will discuss these issues and examine detailed proprietary calculations and analyses referenced in the responses. The audit will inform NRC's understanding of the remaining issues and support the preparation of a third request for additional information.

C. Audit Scope

The staff expects to discuss the following topics during the audit:

- **Holtec Responses to RAI 5-9-S - Holtec Report No. HI-2210576, Rev. 0, "Structural Analysis of HI-STORE Cask Transfer Building"**

  The staff will discuss the applicant's general approach to CTB design analysis. The discussion will include modeling assumptions used in the structural qualification of the CTB as it relates to: (1) seismic analysis and inputs; (2) load combinations; and (3) tornado missile analysis. Specifically, the following questions have been preliminarily identified for additional discussion:

  [Contains Proprietary Information – See Enclosure 2]

- **Holtec Report No. HI-2177585, Rev. 2, "Structural Calculation Package for HI-STORE CIS Facility"**

  The staff will discuss the applicant's general approach to the calculations supporting the HI-STORE SAR related to HI-TRAC CS transfer cask, HI-STAR 190 transport cask, Vertical Cask Transporter (VCT), HI-PORT, and related ancillary equipment. Specifically, the following questions have been preliminary identified for additional discussion:

[Contains Proprietary Information – See Enclosure 2]

D. Audit Team

1. Jose Cuadrado, Project Manager
2. Ricardo Rodriguez, Structural Engineer
3. Pravin Patel, Structural Engineer
4. Sujit Samaddar, Senior Civil Engineer

E. Special Requests

Appropriate handling and protection of proprietary information shall be acknowledged and observed throughout the audit.

F. Deliverables

NRC staff will issue an audit summary after completing the audit. The audit summary will discuss the outcomes of the audit and outline future actions for the completion of NRC staff's review of the license application.