



December 21, 2017

Mr. Jose Cuadrado, Project Manager  
Division of Spent Fuel Management  
Office of Nuclear Material Safety and Safeguards

Docket Number: 72-1051

Subject: Holtec International HI-STORE CIS (Consolidated Interim Storage Facility)  
License Application Responses to Requests for Supplemental Information

Reference: [1] NRC Letter, Acceptance Review of Holtec International's Application for Specific Independent Spent Fuel Storage Installation License for the HI-STORE Consolidated Interim Storage Facility for Spent Nuclear Fuel – Request for Supplemental Information,” from J. Cuadrado (NRC) to K. Manzione (Holtec) dated July 7, 2017

[2] Holtec Letter 5025015, “Holtec International HI-STORE CIS (Consolidated Interim Storage Facility) License Application Requests for Supplemental Information” from K. Manzione (Holtec) to M. Layton (NRC), dated July 21, 2017

[3] Holtec Letter 5025017, “Holtec International HI-STORE CIS (Consolidated Interim Storage Facility) License Application Responses to Request for Supplemental Information,” from K. Manzione (Holtec) to J. Cuadrado (NRC), dated October 6, 2017

Mr. Cuadrado:

Holtec is pleased to submit responses to the staff's requests for supplemental information (RSIs) [Reference 1] on the HI-STORE Consolidated Storage Application. As stated in our previous letter [Reference 2], this submittal contains the responses to the final three RSIs. All other responses were submitted in October 2017 [Reference 3].

Attachment 1 contains the responses to the RSIs. Attachments 2 and 3 contain the affected chapters of the revised HI-STORE SAR, with all changes shown in red text, in both proprietary and non-proprietary versions. These changes are shown from the previously submitted revision [Reference 3]. Attachment 4 contains Revision 1 of the HI-STORE Environmental Report. Attachments 5 and 6 contain supporting geotechnical information used in the responses to these RSIs. Attachments 7 and 8 contain proprietary Holtec reports that support the security related RSIs submitted under a separate cover letter. Since a number of the attachments are considered



proprietary, an affidavit pursuant to 10CFR2.390 is included as Attachment 9, requesting that this information be withheld from public disclosure.

If you have any questions, please contact me at [k.manzione@holtec.com](mailto:k.manzione@holtec.com) or (856) 797-0900 ext. 3951.

Sincerely,

A handwritten signature in cursive script that reads "K. Manzione".

Kimberly Manzione  
Licensing Manager  
Holtec International

Attachments:

- Attachment 1: Responses to Requests for Supplemental Information – Non-proprietary
- Attachment 2: HI-2167374 HI-STORE CIS SAR Rev 0B Affected Chapters – Proprietary
- Attachment 3: HI-2167374 HI-STORE CIS SAR Rev 0B Affected Chapters – Non-proprietary
- Attachment 4: HI-2167521 Rev 1 HI-STORE Environmental Report – Non-proprietary
- Attachment 5: CIS-RP-001-00 HI-STORE CISF Phase 1 Site Characterization Geotechnical Data Report – Non-proprietary
- Attachment 6: Memo from GEI Consultants to Holtec International, “Results of One-Dimensional Consolidation and Swell Tests” – Non-proprietary
- Attachment 7: HI-2177535 Rev 2 Emergency Response Plan – Proprietary
- Attachment 8: HI-2177562 Rev 1 Training and Qualification Plan - Proprietary
- Attachment 9: Affidavit Pursuant to 10CFR2.390