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June 22, 2020

Yen-Ju Chen Sr. Project Manager – Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety and Safeguards

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Docket No. 72-1014, Certificate of Compliance (CoC) No. 1014

Subject: Submittal of Response to RAI 4-9 for HI-STORM 100 Amendment Number 15

Reference(s): [1] "Amendment No. 15 to Certificate of Compliance No. 1014 for the HI-STORM 100 Multipurpose Canister Storage System – Request for Additional Information" (Letter from Yen-Ju Chen (NRC) to Joyce Tomlinson (Holtec) dated March 6, 2020)

Dear Ms. Chen:

By letter dated March 6, 2020 [1], NRC staff requested additional information (RAIs) needed to complete their detailed technical review of HI-STORM 100 Amendment 15 to the Certificate of Compliance No. 1014. Holtec provided responses for several of the RAIs on April 28, 2020 and stated that the response to RAI 4-9 would be provided by June 22, 2020. This letter submits the response to RAI 4-9 and supplemental information to the response to RAI 8-1.

Attachment 1 to this letter contains the response to RAI 4-9 and supplemental information to RAI 8-1 in a proprietary version. Attachment 2 contains the response in a non-proprietary version. Attachment 3 provides the affected FSAR changed pages, with the changes specific to RAI 4-9 response highlighted in yellow. Attachments 4 and 5 contain the technical information used to support the response to RAI 4-9. Holtec considers information in Attachments 1, 4 and 5 to be proprietary information; therefore, Attachment 6 to this letter is an affidavit prepared in accordance with 10 CFR 2.390 requesting that Attachments 1, 4 and 5 be withheld from public disclosure.

If you have any questions, please contact me at 856-797-0900 ext. 3765.



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Sincerely,

Joyce Tomlinson
Adjunct Licensing Manager,
Holtec International

cc: (via email)
Andrea Kock (USNRC)
John McKirgan (USNRC)

Attachments:

- Attachment 1: Response to Request for Additional Information to RAI 4-9 and RAI 8-1 for HI-STORM 100 LAR 1014-15 response. (proprietary)
- Attachment 2: Response to Requests for Supplemental Information to RAI 4-9 and RAI 8-1 for HI-STORM 100 LAR 1014-15 response. (non-proprietary)
- Attachment 3: HI-STORM 100 FSAR Proposed Changed pages (Proposed Rev. 17.C) (non-proprietary)
- Attachment 4: HI-2043317 rev 41, "HI-STORM Thermal-Hydraulic Analysis Supporting Upto 36.9 kW High Heat Load" Appendix R (proprietary)
- Attachment 5: Thermal Calculations Package Input/ Output files (proprietary)
- Attachment 6: Affidavit Pursuant to 10 CFR 2.390 to Withhold Information from Public Disclosure (non-proprietary)