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September 9, 2022

Yen Chen, Project Manager
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
EPID: L-2021-LLA-0039, CAC No.: 001028

Subject: HI-STORM 100 Amendment 16 Responses to Requests for Additional Information
(Batch 2)

Reference:

[1] "Amendment No. 16 To Certificate of Compliance No. 1014 for the HI-STORM 100 Multipurpose Canister Storage System – Request for Additional Information Second Batch," letter from Y. Chen (NRC) to D. Elisio (Holtec) dated August 5, 2022. ADAMS Accession No. ML2208A223

[2] "HI-STORM 100 Amendment 16 Responses to Requests for Additional Information (Batches 1 and 2)," letter from D. Elisio (Holtec) to Y. Chen (NRC) dated August 31, 2022. ADAMS Accession No. ML22243A270

Dear Ms. Chen:

By letter dated August 5, 2022 [1], NRC staff documented Requests for Additional Information (RAI Batch 2) to support review of HI-STORM 100 amendment request 1014-16. Previously, Holtec has provided the responses for Batch 1 and the materials section of Batch 2 of the RAIs in a previous sent letter [2]. Holtec has provided the Batch 2 RAI shielding responses in this letter.

The responses to RAIs are provided in Attachment 1, with Attachment 2 being a non-proprietary copy. Changes to the FSAR as a result of these RAIs are included in Attachment 3 and 4 for both proprietary and non-proprietary versions, respectively. Changes to Certificate of Compliance



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Appendixes as a result of the RAIs are included in Attachments 5 through 7. Attachment 8 contains a supporting proprietary document for the changes made with regards to the RSI responses and the changes made to the licensing bases.

Since some attachments to this letter contain Holtec proprietary information, an affidavit requesting this information be withheld in accordance with 10CFR2.390 is included as Attachment 9.

Please contact me at (856) 797-0900 Extension 3326 if you have any questions or require any additional information.

Sincerely,

Denise Elisio
Licensing Engineer
Holtec International

cc: (via email)
Yaira Diaz-Sanabria (USNRC)
Kimberly Manzione (Holtec)



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Attachments:

- Attachment 1: HI-STORM 100 Amendment 16 RAI Responses (proprietary)
- Attachment 2: HI-STORM 100 Amendment 16 RAI Responses (non-proprietary)
- Attachment 3: HI-STORM 100 FSAR Proposed Revision 21B, changed pages (proprietary)
- Attachment 4: HI-STORM 100 FSAR Proposed Revision 21B, changed pages (non-proprietary)
- Attachment 5: HI-STORM 100 Amendment 16 Certificate of Compliance Appendix B, changed pages (non-proprietary)
- Attachment 6: HI-STORM 100 Amendment 16 Certificate of Compliance Appendix D, changed pages (non-proprietary)
- Attachment 7: HI-STORM 100 Amendment 16 Certificate of Compliance Appendix B-100U, changed pages (non-proprietary)
- Attachment 8: HI-2201113R1, HI-STORM 100 Version UVH Shielding Analysis (proprietary)
- Attachment 9: Affidavit in Accordance with 10 CFR 2.390