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September 20, 2023

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

**Subject:** HI-STORM 100 Amendment 16 Responses to Second Round Requests for Additional Information

**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 Round," letter from Y. Chen (NRC) to D. Elisio (Holtec) dated August 28, 2023. ADAMS Accession No. ML23230B158

Dear Ms. Chen:

By letter dated August 28, 2023 [1], NRC staff documented a Second Round Request for Additional Information to support review of HI-STORM 100 amendment request 1014-16. The response to the RAI is provided in Attachment 1. Changes to the FSAR as a result of these RAIs are included in Attachment 2. Attachment 3 contains a proprietary document supporting the RAI responses.

Since Attachment 3 to this letter contains proprietary information, an affidavit requesting this information be withheld in accordance with 10CFR2.390 is included as Attachment 4.

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



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Sincerely,

Denise Elisio  
Licensing Engineer  
Holtec International

cc: (via email)  
Yoira Diaz-Sanabria (USNRC)  
Tilda Liu (USNRC)  
Kimberly Manzione (Holtec)

**Attachments:**

- Attachment 1: HI-STORM 100 Amendment 16 Second Round RAI Response (non-proprietary)
- Attachment 2: HI-STORM 100 FSAR Proposed Revision 21G, changed pages (non-proprietary)
- Attachment 3: Appendix NN to HI-2012702, HI-STORM 100 System Additional Shielding Calculations, Revision 19 (proprietary)
- Attachment 4: Affidavit in Accordance with 10 CFR 2.390