



Krishna P. Singh Technology Campus, 1 Holtec Blvd., Camden, NJ 08104

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Telephone (856) 797-0900

Fax (856) 797-0909

August 2, 2021

Norma Garcia Santos – Project Manager  
Storage and Transportation Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety and Safeguards

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

Docket No. 72-1032, Certificate of Compliance (CoC) No. 1032  
EPID L-2019-LLA-0231

Subject: Supplemental Responses to HI-STORM FW Amd. 6 Requests for Additional Information

Reference(s):

- [1] NRC Letter, “Application for the Model No. HI-STORM FW Storage System, Amendment No. 6 – Staggered First Request for Additional Information,” from Norma Garcia Santos (NRC) to Christopher O’Mullane (Holtec), dated September 24, 2020.
- [2] NRC Letter, “Application for the Model No. HI-STORM FW Storage System, Amendment No. 6 – Final Staggered Request for Additional Information,” from Norma Garcia Santos (NRC) to Christopher O’Mullane (Holtec), dated November 6, 2020.
- [3] Holtec Letter 5018081, “Holtec Responses to HI-STORM FW Amd. 6 Requests for Additional Information,” from Christopher O’Mullane (Holtec) to Norma Garcia Santos (NRC), dated December 21, 2020.
- [4] NRC Conversation Record, “Conference Call with Holtec International--Clarify Thermal, Materials, and Structural RAI Responses Regarding HISTORM FW, Amendment 6 (Docket No. 72-1032),” dated March 8, 2021.



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[5] NRC Conversation Record, "Conference Call with Holtec International-- Discuss response to Structural RAI 3-3 Regarding HISTORM FW, Amendment 6 (Docket No. 72-1032)," dated March 24, 2021.

Dear Ms. Garcia Santos:

By letters dated September 24, 2020 [1] and November 6, 2020 [2], the NRC staff sent staggered Requests for Additional Information (RAIs) needed to complete their detailed technical review of Amendment 6 of the HI-STORM FW Certificate of Compliance (CoC) 72-1032. Holtec provided responses to the RAIs by letter dated December 21, 2020 [2]. Subsequent to submittal of these responses, Holtec and the NRC staff participated in two telephone conference calls on March 8, 2021 [4] and March 24, 2021 [5], during which it was determined that clarification was warranted for Holtec's responses to Thermal RAIs 4-1 & 4-2, Materials RAI 4-1, and Structural RAIs 3-1, 3-2, & 3-3. Holtec is pleased to submit its supplemented responses to the aforementioned RAIs in Attachment 1 of this letter.

Attachment 2 contains supplemental RAI-related changes to the HI-STORM FW FSAR. Note that all previous changes associated with Amendment 6 remain tracked in Attachment 2, while changes specifically resulting from the supplemented responses are highlighted for clarity. Attachment 3 contains Revision 1 of proprietary Holtec Licensing Drawing 11695 for the HI-STORM FW Version E Anchored Overpack. Attachment 4 contains Revision 3 of proprietary Holtec Report HI-2200647 which documents the numerical analyses for the accidental vertical drop of the loaded HI-STORM FW Version E spent fuel storage cask and loaded HI-TRAC VW spent fuel transfer cask, as well as the HI-STORM FW Version E anchored cask under the combined loading of the Design Basis Tornado and Design Basis Missile impact.

As Attachments 3 & 4 are considered proprietary, an affidavit requesting that this information be withheld from public disclosure in accordance with 10CFR2.390 is contained in Attachment 5.

If you have any questions please contact me at [c.omullane@holtec.com](mailto:c.omullane@holtec.com) or 856-912-1162.

Sincerely,

A handwritten signature in blue ink, appearing to read "C. O'Mullane".

Christopher O'Mullane  
Licensing Engineer,  
Holtec International



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Telephone (856) 797-0900

Fax (856) 797-0909

cc:(via email)

John McKirgan (USNRC)

Kimberly Manzione (Holtec)

Attachments

- Attachment 1: HI-STORM FW Amendment 6 RAI Responses Supplemented August 2, 2021 (NON-PROPRIETARY)
- Attachment 2: HI-STORM FW FSAR Proposed Revision 7.C Supplemented August 2, 2021 (NON-PROPRIETARY)
- Attachment 3: Holtec Licensing Drawing 11695, HI-STORM FW Version E Anchored Cask, Revision 1 (PROPRIETARY)
- Attachment 4: Holtec Report HI-2200647, Analysis of the Postulated Drop and Missile Impact Events for the Loaded HI-STORM FW Version E Cask and the Loaded HI-TRAC VW System, Revision 3 (PROPRIETARY)
- Attachment 5: Affidavit in Accordance with 10CFR2.390