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December 2, 2025

Haimanot Yilma, 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.: 71-9397 (HI-STAR 330 Model)
EPID No.: L-2022-NEW-0002

Subject: Responses to Requests for Supplemental Information for Revision 0 of Certificate of Compliance No.9397 for the HI-STAR 330 Package

Dear Ms. Haimanot Yilma:

By email dated September 19, 2025, Holtec provided the NRC staff an update that the Requests for Supplemental Information (RSI) responses would be sent by December 2, 2025. Enclosures 1 and 2 contain proprietary and non-proprietary versions of the RSI responses. Enclosures 3 and 4 contain proprietary and non-proprietary versions of the changed pages to the Safety Analysis Report (SAR) for the HI-STAR 330 Package. Enclosure 5 contains changed pages to Holtec's Certificate of Compliance (CoC) for your convenience.

Enclosures 6 through 10 contain SAR information supporting the application, for example, calculation packages and technical reports.

Enclosure 11 to this letter is an affidavit prepared in accordance with 10 CFR 2.390 requesting that Enclosures noted below as proprietary be withheld from public disclosure due to their proprietary nature.

If you have any questions, please contact me at 856-797-0900 ext. 3469.



Sincerely,

ali Elzahri

Ali Elzahri

Licensing Project Engineer

Holtec International

cc:(via email)

Kim Manzione (Holtec)

Yaira Diaz Sanabria (USNRC)

Enclosures:

- Enclosure 1: HI-STAR 330 RSI responses (proprietary)
- Enclosure 2: HI-STAR 330 RSI responses (non-proprietary)
- Enclosure 3: HI-2210970 - HI-STAR 330 Safety Analysis Report Revision 1 changed pages (proprietary)
- Enclosure 4: HI-2210970 - HI-STAR 330 Safety Analysis Report Revision 1 changed pages (non-proprietary)
- Enclosure 5: Proposed CoC 71-9397 for the HI-STAR 330 Package changed pages (non-proprietary)
- Enclosure 6: HI-2240059, "Drop Analysis of the HI-STAR 330 Transport", Revision 1 (proprietary)
- Enclosure 7: HI-2210251, "Benchmarking of Material Stress-Strain Curves in LS-DYNA", Revision 2 (proprietary)
- Enclosure 8: HI-2210998, "Structural Calculation Package for HI-STAR 330 Transport Package," Revision 1 (proprietary)
- Enclosure 9: HI-2240470, "Dimensional Limit Summary Report for the HI-STAR 330 Transport Cask," Revision 1 (proprietary)
- Enclosure 10: HI-2220203, "HI-STAR 330 Cask ITS Categorization Report," Revision 1 (proprietary)
- Enclosure 11: Affidavit Pursuant to 10 CFR 2.390 to Withhold Information from Public Disclosure