HOLTEC INTERNATIONAL

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March 10, 2025

Ms. Shana Helton, Director
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)

Subject: HI-STAR 330 Transportation Package Initial Submittal

Dear Ms. Helton,

Holtec International herewith submits its application for the design certification of the HI-STAR 330 Transportation Package pursuant to 10 CFR Part 71.

Enclosure 1 contains Holtec's proposed Certificate of Compliance (CoC) for your convenience. Enclosures 2 and 3 contain proprietary and non-proprietary versions of the Safety Analysis Report (SAR) for the HI-STAR 330 Package.

Enclosures 4 through 11 contain SAR information supporting the application, for example, calculation packages and technical reports.

Enclosure 12 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

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Holtec International

cc:(via email)
Kim Manzione (Holtec)
Nishka Devaser (USNRC)

Enclosures:

Enclosure 1: Proposed CoC 71-9397 for the HI-STAR 330 Package (non-proprietary)
Enclosure 2: HI-2210970 - HI-STAR 330 Safety Analysis Report Revision 0 (proprietary)
Enclosure 3: HI-2210970 - HI-STAR 330 Safety Analysis Report Revision 0 (non-proprietary)
Enclosure 4: HI-2210998, "Structural Calculation Package for HI-STAR 330 Transport Package," Revision 0 (proprietary)
Enclosure 5: HI-2240059, "Drop Analysis of the HI-STAR 330 Transport", Revision 0 (proprietary)
Enclosure 6: HI-2210251, "Benchmarking of Material Stress-Strain Curves in LS-DYNA", Revision 1 (proprietary)
Enclosure 7: HI-2240063, "Thermal Evaluation of HI-STAR 330 Cask," Revision 0 (proprietary)
Enclosure 8: HI-2250096, "Containment Analysis for HI-STAR 330 Cask," Revision 0 (proprietary)
Enclosure 9: HI-2220506 "HI-STAR 330 Shielding Calculation Package," Revision 0 (proprietary)
Enclosure 10: HI-2240470, "Dimensional Limit Summary Report for the HI-STAR 330 Transport Cask," Revision 0 (proprietary)
Enclosure 11: HI-2220203, "HI-STAR 330 Cask ITS Categorization Report," Revision 0 (proprietary)
Enclosure 12: Affidavit Pursuant to 10 CFR 2.390 to Withhold Information from Public Disclosure