



June 22, 2020

Pierre Saverot, Project Manager – Storage and Transportation Licensing Branch  
Division of Spent Fuel Management  
Office of Nuclear Material Safety and Safeguards

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

Docket No.: 71-9375  
EPID.: L-2019-LRM-0006

Subject: Submittal of responses to request for additional information for the review of the model no. HI-STAR ATB 1T package application (Non-Proprietary Submittal)

Reference: [1] “Request for Additional Information for the review of the model no. HI-STAR ATB 1T package” (Letter from Pierre Saverot (NRC) to Royston Ngwayah (Holtec) dated November 8, 2019)  
[2] “Application for a Certificate of Compliance (CoC) for Holtec’s Model No. HI-STAR ATB 1T Type B(U)-96 Transportation Package” (Holtec Letter no. 2404013-NRC from Royston Ngwayah (Holtec) to Pierre Saverot (NRC) dated June 7, 2019)

Dear Mr. Saverot,

By letter dated November 8, 2019 [1], NRC staff documented requests for additional information (RAIs) that are required to complete their detailed technical review of the HI-STAR ATB 1T Application [2].

In addition to the RAIs responses and related updates to the application, the application submitted herewith also includes the updated ANSI N14.5 (2014) multiplication factor to convert leakage rate from air as tracer gas to helium, an alternative loading guide for the tanks, new definitions added to glossary (Inspection, Testing, Verification), and removal of Post Fabrication Shielding Test.

Attachment 1 to this letter contains the responses to RAIs. Attachment 2 contains the revised proposed CoC. Attachments 3 and 4 contain the non-proprietary and proprietary versions of the HI-STAR ATB 1T Safety Analysis Report (SAR) Proposed Revision 3. The revised licensing drawings are in Attachment 5. Proprietary supporting calculation reports related to this submittal are in Attachments 6 through 10 of this letter. Attachments 4 through 10 contain proprietary



information. Therefore Attachment 11 to this letter is an affidavit prepared in accordance with 10 CFR 2.390 requesting that Attachments 4 through 10 be withheld from public disclosure.

If you have any questions, please contact me at 856-797-0900, ext. 3844.

Sincerely,

Royston Ngwayah  
Licensing Engineer  
Holtec International

cc: (letter only w/o attachments via email)  
Andrea Kock (USNRC)

Attachments

- Attachment 1: Responses to NRC's Request for Additional Information (RAIs) (Non-Proprietary Information)
- Attachment 2: Revised Proposed Certificate of Compliance (No. 9375) for HI-STAR ATB 1T (Non-Proprietary Information)
- Attachment 3: HI-STAR ATB 1T Safety Analysis Report (SAR), HI-2146312, Proposed Revision 3 (Non-Proprietary Information)
- Attachment 4: HI-STAR ATB 1T Safety Analysis Report (SAR), HI-2146312, Proposed Revision 3 (Holtec Proprietary Information)
- Attachment 5: Revised licensing drawings for cask and BFA-Tanks/Cassettes (Holtec Proprietary Information)
- Attachment 6: Drop Analysis for the HI-STAR ATB 1T Transport Package, HI-2177539 Rev. 4 (Holtec Proprietary Information)
- Attachment 7: Structural Calculation Package for HI-STAR ATB 1T Transport Package, HI-2177540 Rev. 3 (Holtec Proprietary Information)
- Attachment 8: Thermal Evaluation of the HI-STAR ATB 1T Transport Cask, HI-2156585 Rev. 3 (Holtec Proprietary Information)
- Attachment 9: Shielding Analysis for the HI-STAR ATB 1T, HI-2156583 Rev. 5 (Holtec Proprietary Information)
- Attachment 10: Containment Analysis for the HI-STAR ATB 1T, HI-2156697 Rev. 2 (Holtec Proprietary Information)
- Attachment 11: Affidavit Pursuant to 10 CFR 2.390 to Withhold Information from Public Disclosure