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February 6, 2017

Pierre Saverot, Project Manager – Licensing Branch  
Division of Spent Fuel Storage and Transportation  
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

Subject: Resubmittal of Application Request for a Certificate of Compliance (CoC) for  
Holtec's Model No. HI-STAR ATB 1T Type B(U)-96 Transportation Package

Reference(s): [1] "Request for Supplemental Information for the Review of the Model No. HI-  
STAR ATB 1T Package" (Letter from Pierre Saverot (NRC) to Royston Ngwayah  
(Holtec) dated November 10, 2015)

[2] "HI-STAR ATB 1T Package" (Letter from Stefan Anton (Holtec) to Pierre  
Saverot (NRC) dated December 7, 2015)

Dear Mr. Saverot,

We are pleased to resubmit Holtec's application for the design certification of the HI-STAR ATB 1T Transportation Package pursuant to 10 CFR Part 71. This application consists of responses to Request for Supplemental Information (RSIs) issued during the acceptance review process for the initial HI-STAR ATB 1T application [1], proposed Certificate of Compliance (CoC), Safety Analysis Report (SAR) and the supporting calculations. As noted in [2], this resubmittal application also includes enhancements to the HI-STAR ATB 1T application due to benchmarking of physical drop tests performed with a ¼ scale model of the package at Sandia National Laboratories.

Enclosure 1 to the letter contains Holtec's responses to NRC staff RSIs [1]. Enclosure 2 contains Holtec's proposed Certificate of Compliance (CoC). Enclosures 3 and 4 contain the non-proprietary and proprietary versions of the Safety Analysis Report (SAR) for the HI-STAR ATB 1T Package respectively. Enclosures 5 through 10 contain supporting calculation packages and computer input/output files for analyses performed for the HI-STAR ATB 1T SAR.



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Enclosures 4 through 10 contain Holtec proprietary information. Therefore Enclosure 11 to this letter is an affidavit prepared in accordance with 10 CFR 2.390 requesting that Enclosures 4 through 10 be withheld from public disclosure.

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

Sincerely,

Royston Ngwayah  
Licensing Engineer  
Holtec International

cc: (letter only w/o enclosures via email)  
John McKirgan, USNRC  
Mike Layton, USNRC  
Holtec Users Group

Enclosures:

- Enclosure 1: Responses to NRC Request for Supplement Information (RSIs)  
(Non-Proprietary Information)
- Enclosure 2: Holtec Proposed Certificate of Compliance (No. 9375) for the HI-STAR ATB 1T  
(Non-Proprietary Information)
- Enclosure 3: HI-STAR ATB 1T Safety Analysis Report (SAR), HI-2146312, Revision 1  
(Non-Proprietary Information)
- Enclosure 4: HI-STAR ATB 1T Safety Analysis Report (SAR) HI-2146312, Revision 1  
(Holtec Proprietary Information)
- Enclosure 5: Drop Analysis for the HI-STAR ATB 1T Transport Package, HI-2177539  
Revision 0 and Computer Input/Output Data Files  
(Holtec Proprietary Information) (Hard Drive)
- Enclosure 6: Structural Calculation Package for HI-STAR ATB 1T Transport Package, HI-  
2177540 Revision 0 and Computer Input/Output Data Files  
(Holtec Proprietary Information) (Hard Drive)
- Enclosure 7: HI-STAR ATB 1T Transport Package Quarter Scale Drop Simulations Using LS-  
DYNA Program, HI-2167517 Revision 1 and Computer Input/Output Data Files  
(Holtec Proprietary Information) (Hard Drive)



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- Enclosure 8: Thermal Evaluation of the HI-STAR ATB 1T Transport Cask, HI-2156585  
Revision 1 and Computer Input/Output Data Files  
(Holtec Proprietary Information) (DVD Media)
- Enclosure 9: Shielding Analysis for the HI-STAR ATB 1T, HI-2156583 Revision 1 and  
Computer Input/Output Data Files  
(Holtec Proprietary Information) (DVD Media)
- Enclosure 10: Containment Analysis for the HI-STAR ATB 1T, HI-2156697 Revision 0  
(Holtec Proprietary Information) (DVD Media)
- Enclosure 11: Affidavit Pursuant to 10 CFR 2.390 to Withhold Information from Public  
Disclosure