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July 22, 2016

Mr. Mark Lombard  
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. 72-1014, Certificate of Compliance (CoC) No. 1014

Subject: Holtec International HI-STORM 100 Multipurpose Canister Storage System  
Amendment Request 1014-12 Supporting Calculation Packages

References: [1] Holtec Letter 5014811, "Holtec International HI-STORM 100  
Multipurpose Canister Storage System Amendment Request 1014-12," date  
June 14, 2016, to M. Lombard (NRC) from K. Manzione (Holtec)

Dear Mr. Lombard:

Holtec International previously submitted a request to amend the HI-STORM 100 Certificate of Compliance (CoC) in Reference [1]. To aid the staff review of this request, Holtec herein submits the calculation packages that support the request.

Attachments 1 through 3 contain calculation packages for the changes requested in the thermal, structural, and shielding disciplines. Since these calculation packages are considered proprietary, Attachment 4 contains an affidavit in accordance with 10CFR2.390 requesting that the information be withheld from public disclosure.

If you have any questions please contact me at 856-797-0900 ext. 3951.

Sincerely,



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Kimberly Manzione  
Licensing Manager,  
Holtec International

cc: (via email)  
Ms. Yen Chen, USNRC  
Mr. Jose Cuadrado, USNRC  
Mr. John McKirgan, USNRC

Attachments:

- Attachment 1: Thermal Calculation Package, HI-2043317R26, Appendix P
- Attachment 2: Structural Calculation Package, HI-2012787R24, Supplements 55 and 65
- Attachment 3: Shielding Calculation Package, HI-2012702R13, Appendix JJ
- Attachment 4: Affidavit Pursuant to 10 CFR 2.390 to Withhold Information from Public Disclosure