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March 19, 2019

Andrea Kock, 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. 72-1014, Certificate of Compliance (CoC) No. 1014  
72-1032, Certificate of Compliance (CoC) No. 1032

Subject: Submittal of Thermal Topical Report on the HI-STORM 100 and HI-STORM FW Systems

Reference: [1] Public Meeting between Holtec and NRC, November 21, 2019  
[2] Holtec International Request for Amendment to HI-STORM FW Certificate of Compliance, ML20052D786

Dear Ms. Kock:

Holtec is pleased to submit a Thermal Topical Report on the HI-STORM 100 and HI-STORM FW Systems. This report has been previously discussed with your staff [1] and Holtec believes it will be a large benefit in reducing the number of necessary amendments to the Certificates of Compliance (CoCs). We request that the NRC staff review this topical report, with the intent of incorporating it for use in the CoCs via a separate, future licensing action. An example of what that licensing action would look like was submitted as Proposed Change 2 in Reference [2].

The report is included as Attachment 1 to this letter, and supporting calculations are included in Attachments 2 and 3. Since these documents are considered proprietary, Attachment 4 includes an affidavit according to 10CFR2.390 requesting that it be withheld from public disclosure.

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

Sincerely,

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*Kim Manzione*

Kimberly Manzione  
Licensing Manager,  
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Attachments:

- Attachment 1: HI-2200343 Topical Report for Allowance of Heat Load Patterns in HI-STORM 100 and HI-STORM FW Systems (proprietary)
- Attachment 2: HI-2043317, Appendix P, Thermal Evaluation of MPC-68M in HI-STORM and HI-TRAC under QSHL Patterns (proprietary)
- Attachment 3: HI-2094400, Appendix L, Thermal Evaluation of MPC-37 in HI-STORM FW Supporting Amendment 1 of CoC 1032
- Attachment 4: Affidavit Pursuant to 10 CFR 2.390 to Withhold Information from Public Disclosure

cc:

Johnathan Rowley (NRC)  
Yoira Diaz-Sanabria (NRC)  
John McKirgan (NRC)