



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 14, 2021

SUBJECT: FINAL SAFETY EVALUATION FOR HOLTEC INTERNATIONAL TOPICAL REPORT HI-2200343, REVISION 2, "TOPICAL REPORT FOR ALLOWANCE OF HEAT LOAD PATTERNS IN HI-STORM 100 AND HI-STORM FW SYSTEMS" (EPID: L-2020-TOP-0018)

Dear Ms. Manzione,

By letter dated March 19, 2020 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML20101N174), Holtec International (Holtec) submitted for U.S. Nuclear Regulatory Commission (NRC) staff review the Topical Report (TR) HI-2200343 Revision 0, "Topical Report for Allowance of Heat Load Patterns in HI-STORM 100 and HI-STORM FW [Flood Wind] Systems." By letter dated April 2, 2021 (ADAMS Package Accession No. ML21092A162), Holtec submitted revised TR HI-2200343, Revision 2, "Topical Report for Allowance of Heat Load Patterns in HI-STORM 100 and HI-STORM FW [Flood Wind] Systems," and responses to the NRC staff's open items in the draft safety evaluation (SE). Non-proprietary copies of the responses have been placed in the NRC Public Document Room and are available in ADAMS Accession No. ML21092A165.

The NRC staff has found the TR acceptable for incorporation in a HI-STORM 100 or HI-STORM FW storage cask certificate of compliance (CoC) amendment to the extent specified and under the limitations delineated in the TR and in the enclosed final SE which defines the basis for our acceptance of the TR. A copy of Enclosure 2 to the final SE, which contains proprietary information, was provided to you via the NRC box.com folder.

Our acceptance applies only to material provided in the subject TR. We do not intend to repeat our review of the accepted material described in the TR. When the TR appears as a reference in a HI-STORM 100 or HI-STORM FW storage cask CoC, our review will ensure that the material presented applies to the specific storage cask system involved. CoC amendment requests that deviate from this TR will be subject to a cask-specific review in accordance with applicable review standards.

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, Holtec will be expected to revise the TR appropriately and incorporate it through a CoC amendment. Alternatively, any HI-STORM 100 or HI-STORM FW CoC holders referencing this existing TR would be expected to justify its continued applicability.

NOTICE: Enclosure 2 to this letter contains Proprietary Information. Upon separation from Enclosure 2, this letter is DECONTROLLED.

K. Manzione

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In accordance with the guidance provided on the NRC website, we request that Holtec publish accepted versions of the proprietary and nonproprietary TR within three months of receipt of the date of this letter. The accepted versions shall incorporate this letter and the enclosed proprietary and non-proprietary versions SE after the title page. Also, the accepted version must contain all historical review information, and shall include an "-A" (designating accepted) following the TR identification symbol.

If you have any questions, please contact the Project Manager for the review, Ekaterina Lenning at 301-415-3151 or via electronic mail at Ekaterina.Lenning@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Zahira Cruz Perez'.

Zahira Cruz Perez, Acting Branch Chief
Containment, Thermal, Chemical, and Fire
Protection Branch
Division of Fuel Management
Office of Nuclear Material Safety and
Safeguards

Docket Nos.: 07201014 and 07201032

Enclosures:

1. Final SE (Non-Proprietary)
2. Final SE (Proprietary)

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SYSTEMS" (EPID: L-2020-TOP-0018) DATED SEPTEMBER 14, 2021

DISTRIBUTION:

NON-PUBLIC (Enclosure 2)

PUBLIC (Letter and Enclosure 1)

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ADAMS Accession Nos.:

ML21125A186 (Package)

ML21125A191 (Letter)

ML21216A181 (Non-Proprietary SE Enclosure 1)

ML21125A629 (Proprietary SE Enclosure 2)

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DATE	5/5/2021	5/7/2021	5/14/2021	5/14/2021	7/22/2021
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DATE	7/27/2021	9/3/2021	9/14/2021		

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