



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

June 25, 2020

Joyce Tomlinson  
Licensing Manager  
Holtec International  
Krishna P. Singh Technology Campus  
1 Holtec Blvd.  
Camden, NJ 08104

SUBJECT: ISSUANCE OF CERTIFICATE OF COMPLIANCE NO. 1032, AMENDMENT NO. 5 FOR THE HI-STORM FLOOD/WIND MULTIPURPOSE CANISTER STORAGE SYSTEM (DOCKET NO. 72-1032, CAC NO. 001028, EPID: L-2017-LLA-0031)

Dear Ms. Tomlinson:

By a letter dated June 15, 2018<sup>1</sup>, and supplemented on September 20, 2018<sup>2</sup>, April 1, 2019<sup>3</sup>, April 30, 2019<sup>4</sup>, June 14, 2019<sup>5</sup>, October 4, 2019<sup>6</sup>, October 21, 2019<sup>7</sup>, and December 18, 2019<sup>8</sup>,

Holtec International (Holtec) submitted an application in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Part 72 for an amendment to Certificate of Compliance (CoC) No. 1032 for the HI-STORM Flood/Wind (FW) Multipurpose Canister (MPC) Storage System. Amendment No. 5 revises the certificate and technical specifications to 1) add new heat load patterns and revise the minimum required cooling time for MPC-89 and MPC-37; 2) add new fuel types to the approved contents; 3) allow an exception to a code to use certain duplex stainless steels; 4) use FLUENT to revise the calculation for evaluating effective fuel conductivities; 5) add the use of damaged fuel isolator; 6) add two versions of the standard variable weight transfer cask; 7) add the option of using cyclic vacuum drying; and 8) add fuel assemblies containing blended low enriched uranium (BLEU), add the definition for BLEU to final safety analysis report (FSAR) and the definition section in the CoC, and add the required shielding evaluation to FSAR Section 5.4.8 for storing BLEU fuel assemblies. Amendment No. 5 also makes several clarifications and editorial and minor changes.

As stated in the *Federal Register* (85 FR 28479, May 13, 2020), the effective date of Amendment No. 5 to CoC No. 1032 is July 27, 2020. Attached are CoC No. 1032, Amendment No. 5, and the corresponding technical specifications and final safety evaluation report. This certificate constitutes the approval and conditions for the use of the HI-STORM FW MPC

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<sup>1</sup> Agencywide Documents Access and Management System (ADAMS) Accession No. ML18179A100.

<sup>2</sup> ADAMS Accession No. ML18268A139.

<sup>3</sup> ADAMS Accession No. ML19108A081.

<sup>4</sup> ADAMS Accession No. ML19127A267.

<sup>5</sup> ADAMS Accession No. ML19177A239.

<sup>6</sup> ADAMS Accession No. ML19289A626.

<sup>7</sup> ADAMS Accession No. ML19317D392.

<sup>8</sup> ADAMS Accession No. ML20002A643.

Storage System for the storage of spent nuclear fuel under the general licensing provisions of 10 CFR 72.210.

If you have any questions regarding this certificate, please contact Yen-Ju Chen of my staff at (301) 415-1018.

Sincerely,

John B. McKirgan, Chief  
Storage and Transportation Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

CAC No. 001028  
Docket No. 72-1032  
EPID L-2017-LLA-0031

Enclosures:

1. CoC 1032, A5, CoC
2. CoC 1032, A5, App A
3. CoC 1032, A5, App B
4. CoC 1032, A5, Final SER

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DATED: June 25, 2020

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AKock, NMSS

**ADAMS Accession No.: ML20163A702 (Memo); Package: ML20163A701**

<b>OFFICE</b>	DFM	DFM	DFM
<b>NAME</b>	YChen	WWheatley	JMcKirgan
<b>DATE</b>	6/23/2020	6/17/2020	6/25/2020

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