



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

October 8, 2024

Kimberly Manzione, Licensing Manager
Holtec International
Holtec Technology Campus
1 Holtec Blvd
Camden, NJ 08104

SUBJECT: AMENDMENT NO. 18 TO RENEWED CERTIFICATE OF COMPLIANCE NO. 1014 FOR THE HI-STORM 100 CASK SYSTEM (DOCKET NO. 72-1014, CAC NO. 001028, EPID L-2022-LLA-0002)

Dear Kimberly Manzione:

As requested by your application dated December 15, 2021 (Agencywide Documents Access and Management System Accession No. ML21349B418), as supplemented in letters dated September 2, 2022 (ML22245A103), May 26, 2023 (ML23146A138), September 8, 2023 (ML23251A250), December 4, 2023 (ML23338A304), January 18, 2024 (ML24018A198), and February 15, 2024 (ML24046A254), enclosed is Amendment No. 18 to Renewed Certificate of Compliance (CoC) No. 1014 for the HI-STORM 100 Cask System. The amended certificate constitutes the U.S. Nuclear Regulatory Commission's (NRC) approval for use of the HI-STORM 100 Cask System for storage of spent nuclear fuel under the general licensing provisions of Title 10 of the *Code of Federal Regulations* Part 72, Subparts K and L, subject to the conditions in the amended certificate. This amendment revises the CoC for the HI-STORM 100 System to include the following change:

Incorporate the Holtec Report No. HI-2200343-A Topical Report entitled, "Topical Report for Allowance of Heat Load Patterns in HI-STORM 100 and HI-STORM FW Systems," (ML24018A198), in the HI-STORM 100 Cask System Renewed Amendment No. 18.

As stated in the *Federal Register* (89 FR 72304, September 5, 2024), the effective date of this CoC is November 19, 2024. The NRC safety evaluation report for this amended CoC (including

the CoC appendices) is enclosed. If you have any questions regarding this amended certificate, please contact Christian Jacobs at (301) 415-6825.

Sincerely,



Signed by Chen, Yen-Ju
on 10/08/24

Yen-Ju Chen, Acting Chief
Storage and Transportation Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No.: 72-1014
CAC No.: 001028
EPID: L-2022-LLA-0002

Enclosures:

1. Final CoC No. 1014, Amendment No. 18
2. Final CoC Appendices
3. Final Safety Evaluation Report

SUBJECT: AMENDMENT NO. 18 TO RENEWED CERTIFICATE OF COMPLIANCE NO. 1014 FOR THE HI-STORM 100 CASK SYSTEM (DOCKET NO. 72-1014, CAC NO. 001028, EPID L-2022-LLA-0002)

DOCUMENT DATE: October 8, 2024

DISTRIBUTION:

DFM r/f
SHelton, NMSS

ADAMS Accession Nos.: ML24240A117(pkg), ML24240A118(Ltr), ML24240A119(CoC), ML24240A120(App.A), ML24240A121(App.B), ML24240A122(App.C), ML24240A124(App.D), ML24240A125(App.A-100u), ML24240A126(App.B-100u), ML24240A127(SER)

OFFICE	NMSS/DFM/STLB	NMSS/DFM/STLB	NMSS/DFM/STLB
NAME	CJacobs	WWheatley	CJacobs
DATE	8/27/2024	8/28/2024	10/8/2024
OFFICE	NMSS/DFM/STLB		
NAME	YChen		
DATE	10/8/2024		

OFFICIAL RECORD COPY