



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

May 22, 2015

Ms. Kimberly Manzione, P.E.
Licensing Manager
Holtec International
Holtec Center
One Holtec Drive
Marlton, NJ 08053

SUBJECT: AMENDMENT REQUEST NO. 2 TO CERTIFICATE OF COMPLIANCE NO. 1032 FOR THE HI-STORM FLOOD/WIND MULTIPURPOSE CANISTER STORAGE SYSTEM – ACCEPTANCE REVIEW – REQUEST FOR SUPPLEMENTAL INFORMATION (TAC NO. L25005)

Dear Ms. Manzione:

By letter dated March 31, 2015, Holtec International (Holtec) submitted an amendment request to the U.S. Nuclear Regulatory Commission (NRC) to revise Certificate of Compliance (CoC) No. 1032 for the HI-STORM Flood/Wind (FW) Multipurpose Canister Storage System. The amendment request seeks to:

1. Add new fuel types to the HI-STORM FW multipurpose canister (MPC) storage system,
2. Include criticality calculations performed in support of the HI-STORM UMAX amendment request No.2,
3. Update an existing fuel type description, and
4. Include changes submitted under the revision No. 1 request to CoC No. 1032, Amendment No. 0.

The NRC staff (staff) performed an acceptance review of your application to determine if the application contained sufficient technical information in scope and depth to allow the staff to complete the detailed technical review. The staff has reviewed your application and concluded that it does not provide technical information in sufficient detail to enable the staff to complete its detailed review and make an independent assessment regarding the acceptability of the proposed amendments in terms of regulatory requirements, and the protection of public health and safety, and the environment. Enclosed are the staff's requests for supplemental information (RSI).

Please provide your responses by June 21, 2015, or contact the NRC no later than June 14, 2015, to request an extension.

K. Manzione

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If you have any questions, please contact me at (301) 415-6933.

Sincerely,

/RA/

John M. Goshen, P.E., Project Manager
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No.: 72-1032

TAC No.: L25005

Enclosure: As stated

If you have any questions, please contact me at (301) 415-6933.

Sincerely

/RA/

John M. Goshen, P.E., Project Manager
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No.: 72-1032

TAC No.: L25005

Enclosure: As stated

ADAMS: ML15146A152

File location: G:\SFST\HI-STORM FWAmendment 2\Acceptance\HS FW A2 RSIs.docx

OFC:	DSFM	DSFM	DSFM	DSFM	DSFM	DSFM
NAME:	JGoshen	WWheatley	JSolis	EGoldfiez	CAraguas	MRahimi
DATE:	5/7/2015	5/ 8 /2015	5/12 /2015	5/8 /2015	5/ 13/2015	5/21 /2015
OFC:	SFST	SFST	SFST	SFST	SFST	SFST
NAME:	MSampson					
DATE:	5/22/2015					

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HOLTEC INTERNATIONAL

DOCKET NO. 72-1032

AMENDMENT REQUEST NO. 2

TO THE HI-STORM FW MPC STORAGE SYSTEM

REQUEST FOR SUPPLEMENTAL INFORMATION

By letter dated March 31, 2015, Holtec International (Holtec) submitted an amendment request to the U.S. Nuclear Regulatory Commission (NRC) to revise Certificate of Compliance (CoC) No. 1032 for the HI-STORM Flood/Wind (FW) Multipurpose Canister (MPC) Storage System.

The NRC staff (staff) performed an acceptance review of your application to determine if the application contained sufficient technical information in scope and depth to allow the staff to complete the detailed technical review. The staff has reviewed your application and concluded that it does not provide technical information in sufficient detail to enable the staff to complete its detailed review and make an independent assessment regarding the acceptability of the proposed amendments in terms of regulatory requirements, and the protection of public health and safety, and the environment. The staff's requests for supplemental information (RSI) are provided below.

RSI

Chapter 4 Thermal Evaluation

RSI 4-1

Provide thermal model input files, analyses, and results to support the air vent blockage event described in the Final Safety Analysis Report (FSAR).

The thermal models, input files, analyses, and results are not provided in the application to support the description and analysis of the air vent blockage event.

The information is needed to ensure compliance with 10 CFR 72.236(f).

Chapter 6 Shielding Evaluation

RSI 6-1

Provide shielding calculation for HI-STORM UMAX for adding the 16x16 fuel assemblies.

In the proposed Amendment No. 2 for HI-STORM FW, the applicant has requested to "Add new 16x16 fuel types to approved contents, in CoC No. 1032, Appendix B, named 16x16B and 16x16C. These are the same fuel types added to the HI-STORM 100 System with amendment

Enclosure

request 1014-10.” The applicant states that “Shielding evaluations are performed on a site specific basis; therefore, no change to the UMAX FSAR Chapter 5 is required.”

Each Amendment relies on a new CoC for the general licensee and these amendments are not for a site specific licensee. The applicant needs to provide a shielding evaluation for this amendment that is adequate for staff to evaluate that the shielding design is sufficient and reasonably capable of meeting the operational dose requirements of 10 CFR 72.104 and 72.106.

This information is needed by the staff to determine compliance with 10CFR72.236(d)