

May 21, 2012

Dr. Stefan Anton
Acting Licensing Manager
Holtec International
Holtec Center
555 Lincoln Drive West
Marlton, NJ 08053

SUBJECT: ACCEPTANCE REVIEW FOR AMENDMENT REQUEST NO. 10 TO HOLTEC
INTERNATIONAL HI-STORM 100 CERTIFICATE OF COMPLIANCE NO. 1014
(TAC NO. L24628)

Dear Dr. Anton:

By letter dated March 9, 2012, Holtec International submitted an amendment request to the U.S. Nuclear Regulatory Commission (NRC) for the HI-STORM 100 Certificate of Compliance No. 1014. The proposed amendment seeks to:

1. Revise the helium backfill requirements for all Multi-purpose canister (MPC) -24, MPC-32 and MPC-68 models permitted for storage in the aboveground HI-STORM 100 Cask System,
2. Add definitions related to fuel classification for the MPC-68M model only,
3. Modify requirements for certain properties of Metamic-HT for the MPC-68M model, and
4. Provide clarifications and editorial suggestions to the FSAR.

The NRC staff has reviewed your application and concluded that it does 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. In order to expedite the review, however, the staff requests that Holtec provide the NRC its thermal computer model and analysis files used to support the amendment application.

Please reference Docket No. 72-1014 and TAC No. L24628 in future correspondence related to this licensing action. If you have any questions, please contact me at (301) 492-3325.

Sincerely,

/RA/

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

Docket No.: 72-1014

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