

November 18, 2010

Ms. Tammy Morin,  
Licensing Manager  
Holtec International  
Holtec Center  
555 Lincoln Drive West  
Marlton, NJ 08053

SUBJECT: ACCEPTANCE REVIEW OF LICENSE AMENDMENT REQUEST NO. 9 TO  
HOLTEC INTERNATIONAL HI-STORM 100 CERTIFICATE OF COMPLIANCE  
NO. 1014 (TAC NO. L24476)

Dear Ms. Morin:

By letter dated September 10, 2010, as supplemented October 1, 2010, Holtec International submitted a license amendment request to the U. S. Nuclear Regulatory Commission (NRC) for the HI-STORM 100 Certificate of Compliance No. 1014. The proposed amendment request seeks to

- 1) broaden the subgrade requirements for the HI-STORM 100U (underground) Independent Spent Fuel Storage Installation (ISFSI) portion of the HI-STORM 100 Dry Cask Storage System, and
- 2) update the thermal model and methodology for the HI-TRAC transfer cask from a two dimensional thermal-hydraulic model to a more accurate three dimensional model.

The purpose of this letter is to provide the results of the NRC staff's acceptance review of this license application. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to commence its detailed technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the HI-STORM 100 Dry Cask Storage System.

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. The staff will commence its detailed review of the application and is targeting a completion date of no later than October 1, 2011.

T. Morin

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Please reference Docket No. 72-1014 and TAC No. L24476 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

TAC No.: L24476

T. Morin

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

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**ADAMS: ML**

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<b>NAME:</b>	JGoshen	WWheatley	RJohnson			
<b>DATE:</b>	11/18/2010	11/18/2010	11/18/2010			

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