

November 26, 2013

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

SUBJECT: REVISION 1 REQUEST TO THE HOLTEC INTERNATIONAL HI-STORM 100  
CASK SYSTEM, CERTIFICATE OF COMPLIANCE NO. 1014, AMENDMENT  
NO. 8 - ACCEPTED FOR REVIEW (TAC NO. L24777)

Dear Dr. Anton:

By letter dated August 8, 2013, Holtec International (Holtec) submitted an application to the U.S. Nuclear Regulatory Commission to revise the HI-STORM 100 Cask System, Certificate of Compliance (CoC) No. 1014, Amendment No. 8. The proposed revision application requests include:

1. Changes to burnup and cooling time limits for thimble plug devices (TPDs),
2. Changes to Metamic-HT testing requirements,
3. Changes to minimum guarantee values (MGVs) for Metamic-HT, and
4. Update to fuel definitions/classifications to include CILC fuel for storage in the MPC-68M.

The staff performed an acceptance review of your application to determine if the application contains sufficient technical information in scope and depth to allow the staff to complete the detailed technical review. The letter acknowledges acceptance of your application. The application appears to contain the information needed for our technical review. However the staff included an observation that may be asked at a later date. Responses to observations are not required for the staff to begin a detailed technical review. Observations are not the result of a detailed technical review and may be resolved once the staff begins a detailed review.

#### OBSERVATION

Please provide the computer model used for the 10x10 low enriched channeled boiling water reactor (BWR) fuel. The staff requires an example of the modeling technique used by the applicant to determine that the multiplication factors are below the regulatory limit and to ensure that sound practices and appropriate conservatism were used in the submitted calculations.

We have established a schedule for the review. The schedule allows for the staff to complete the first request for additional information (RAI) in January 2013 and a certificate of compliance in May 2014, based on Holtec responding to the RAIs in February 2014. If a second RAI is not needed, and based on the staff's evaluation, the approval may be issued at approximately that time. In general, no additional changes to the application should be submitted except for changes resulting from your response to the RAI.

Please reference Docket No. 72-1014 and TAC No. L24777 in future correspondence related to this licensing action. If you have any questions, please contact me at (301) 287-9250.

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.: L24777

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John Goshen, P.E., Project Manager  
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<b>OFC:</b>	SFST	SFST	SFST	SFST	SFST	SFST	SFST
<b>NAME:</b>	JGoshen	WWheatley	DTarantino	ASotomayor-Rivera	JPiotter	JSmith	JChang
<b>DATE:</b>	11/01/2013	11/4 /2013	11/ 4 /2013	10/31/2013	11/4/2013	11/5 /2013	11/5/2013
<b>OFC:</b>		SFST	SFST	SFST	SFST	SFST	SFST
<b>NAME:</b>		CArugas	ACsontos	MRahimi	MSampson		
<b>DATE:</b>		11/25 /2013	11/26/2013	11/25/2013	11/26/2013		

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