

August 3, 2007

Evan Rosenbaum  
Project Manager  
Holtec International  
555 Lincoln Drive West  
Marlton, NJ 08053

SUBJECT: PRELIMINARY CERTIFICATE OF COMPLIANCE AND SAFETY EVALUATION  
REPORT FOR AMENDMENT NO. 5 TO CERTIFICATE OF COMPLIANCE 72-  
1014 FOR THE HI-STORM 100 CASK SYSTEM (TAC NO. L23850)

Dear Mr. Rosenbaum:

By application dated December 30, 2004, revised May 16, 2005, (Revision 1) and December 22, 2006, (Revision 2), and as supplemented, Holtec International (Holtec) submitted an application to the U.S. Nuclear Regulatory Commission, in accordance with 10 CFR Part 72, for the review and approval of amendment to Certificate of Compliance (CoC) No. 1014 for the HI-STORM 100 Cask System. Holtec principally proposed to increase the maximum licensed thermal capacity of the HI-STORM 100 Cask System to 34 kW for uniform loading configuration and 36.9 kW for a regionalized loading configuration. This amended license, when codified through rulemaking will be denoted as Amendment 5 to the CoC.

As a result of our review of your application, and its supplements, the staff has prepared a preliminary CoC and Safety Evaluation Report (SER) pursuant to the requirements of 10 CFR Part 72. Enclosed is a copy of the preliminary CoC and the staffs preliminary SER for Holtec's review and identification of inaccuracies and omissions. Changes made to the enclosed preliminary amended CoC are indicated by vertical lines in the margin.

Holtec is requested to respond with any comments by close of business on August 8, 2007. Please continue to reference Docket No. 72-1014 and TAC No. L23850 in future

E. Rosenbaum

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correspondence related to this request. If you have any comments or questions concerning this request, please contact me at 301-492-3327.

Sincerely,

**/RA/**

Christopher M. Regan, Senior Project Manager  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-1014

Enclosures:

1. Preliminary Certificate of Compliance No. 1014,  
Amendment No. 5
2. Preliminary Safety Evaluation Report

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**/RA/**

Christopher M. Regan, Senior Project Manager  
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Docket No.: 72-1014

Enclosures:

1. Preliminary Certificate of Compliance No. 1014,  
Amendment No. 5
2. Preliminary Safety Evaluation Report

Distribution: w/o encls\*\*

Docket NMSS r/f\*\* BWhite

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(CoC) G:\SFPO\cregan\HoltecAmend4prelim\HoltecAmend5prelimCoCdraft.wpd

(SER) G:\SFPO\cregan\HoltecAmend4prelim\HoltecAmend5prelimSERdraft.wpd

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