

September 26, 2006

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

SUBJECT: HOLTEC INTERNATIONAL HI-STORM 100 LICENSE AMENDMENT REQUEST  
3 RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION 2

Dear Mr. Rosenbaum:

On May 16, 2005, Holtec International (Holtec) submitted Revision 1 to an application to amend Certificate of Compliance (CoC) No. 1014 for the HI-STORM 100 Cask System (License Amendment Request 1014-3, Revision 1) in accordance with 10 CFR Part 72. This amendment proposes to: (a) add a new underground storage design denoted as the HI-STORM 100U and (b) increase the maximum thermal decay heat load to 35.5kW and 38kW for boiling water reactor and pressurized water reactor spent nuclear fuel, respectively. The Nuclear Regulatory Commission (NRC) has performed a technical review of the application and issued Request for Additional Information (RAI) No. 1 on November 30, 2005, and RAI No. 2 on June 6, 2006. Holtec's response to the RAIs were submitted on February 18, 2006, and July 10, 2006, respectively.

The purpose of this letter is to inform Holtec that the staff performed a technical acceptance review of the July 10, 2006, Holtec response to the most recent NRC RAI (RAI No. 2), issued on June 6, 2006. An acceptance review was performed to determine if Holtec's response to the RAI adequately addressed the staff's concerns and provided sufficient information to permit the staff to complete the technical review of the amendment application. As a result of this review, the staff identified RAI No. 2 responses in the thermal discipline that did not fully address the staff's concerns. The NRC concerns were subsequently communicated to you in conference calls on August 1, 2006, and August 2, 2006. Because of these outstanding concerns, the NRC considers Holtec's response to RAI No. 2 to be open.

On September 8, 2006, in a public meeting, the NRC met with Holtec to determine a means to address the outstanding concerns in the thermal discipline. At that meeting Holtec agreed to perform the additional analyses necessary to address the NRC concerns and to provide the NRC with supplemental information documenting the additional analyses. Until such a time when the supplemental information and analyses are submitted to the NRC for review, and the NRC determines the information acceptable, Holtec's RAI No. 2 response will be considered open.

E. Rosenbaum

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Please refer to Docket Number 72-1014 and TAC No. L23850 in future correspondence related to review of this application. If you have any questions regarding our review, you may contact me at (301) 415-1179.

Sincerely,  
/RA/

Christopher M. Regan, Senior Project Manager  
Licensing Section  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 72-1014  
TAC No. L23850

E. Rosenbaum

- 2 -

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Sincerely,  
/RA/

Christopher M. Regan, Senior Project Manager  
Licensing Section  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 72-1014  
TAC No. L23850

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