

March 5, 2002

Mr. Brian Gutherman  
Licensing Manager  
Holtec International  
555 Lincoln Drive West  
Marlton, NJ 08053

SUBJECT: ASME CODE ALTERNATIVES FOR THE HI-STORM 100 AND  
HI-STAR 100 DRY STORAGE CASKS

Dear Mr. Gutherman:

The purpose of this letter is to approve additional ASME Boiler and Pressure Vessel Code, Section III, (Code) alternatives for the HI-STORM 100 Cask System. In addition, this letter requests additional information regarding similar Code alternatives for the HI-STAR 100 Cask System.

On February 4, 2002, Holtec International (Holtec) submitted two letters to the U. S. Nuclear Regulatory Commission (NRC) requesting the inclusion of additional Code alternatives for the fabrication of the HI-STORM 100 and the HI-STAR 100 Cask Systems. The requests were submitted in accordance with Section 3.3.2 of Appendix B to Certificate of Compliance (CoC) No. 1014 (HI-STORM 100) and Section 1.3.2, of Appendix B to CoC No. 1008 (HI-STAR 100).

By letter dated February 8, 2002, NRC transmitted a request for additional information (RAI) to Holtec regarding its request. Due to the urgency of operating facilities to load HI-STORM 100 Casks, which have been or will be fabricated with the requested Code alternatives, the RAI questions were only directed at the HI-STORM 100 Code alternatives. Holtec responded to the RAI on February 22, 2002.

The staff has reviewed the RAI response and agrees, based on the justifications provided for each Code alternative, that Holtec may implement the requested Code alternatives for the HI-STORM 100 Casks listed in Table 2 of Holtec Document ID 5014449 as submitted to NRC on February 4, 2002. As stated in your February 4, 2002, letter, the staff acknowledges that Holtec will update Section 3.3.2 of Appendix B to CoC No. 1014 in an amendment request it plans to submit in March 2002.

The staff also reviewed the February 4, 2002, Holtec letter requesting additional Code alternatives for the HI-STAR 100. The staff noted that the request is similar to the HI-STORM 100 request. The staff did not identify any additional RAI questions during the review. Therefore, the staff requests that Holtec update Table 1 of the HI-STAR 100 letter to reflect its responses to the NRC's RAI regarding the HI-STORM System. In addition, Holtec should also update its February 8, 2002, RAI response, as necessary, to include justification for the HI-STAR 100 Casks. The updated material should be submitted to NRC for final evaluation regarding the Code alternatives for the HI-STAR 100 Cask System.

B. Guthermann

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If you have any comments or questions concerning this request, please contact Tim Kobetz at 301-415-8538.

Sincerely,  
**/RA/**

E. William Brach, Director  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-1014  
72-1008

TAC Nos. L23413  
L23414

If you have any comments or questions concerning this request, please contact Tim Kobetz at 301-415-8538.

Sincerely,  
**/RA/**

E. William Brach, Director  
 Spent Fuel Project Office  
 Office of Nuclear Material Safety  
 and Safeguards

Docket No.: 72-1014  
 72-1008

TAC Nos. L23413  
 L23414

Distribution: (Closes TAC No. 23413; TAC No. 23414 remains open))

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\*See attached

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