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August 6, 2003

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Subject: USNRC Docket No. 71-9261, TAC L23564  
HI-STORM 100 Certificate of Compliance 1014  
HI-STORM License Amendment Request 1014-2, Revision 2  
Clarification of Thermal Analyses

References: 1. Holtec Project 5014  
2. USNRC Letter, C. Regan, to Holtec, B. Gutherman "Request for Additional Information for the Holtec International HI-STORM 100 Amendment 2," dated May 1, 2003.

Dear Sir:

We herewith provide the response to the NRC's Request for Additional Information (RAI) on our March 4, 2002 License Amendment Request (LAR) for HI-STORM 100 10 CFR 72 Certificate of Compliance (CoC) Number 1014. This submittal, labeled LAR 1014-2, Revision 2, replaces LAR 1014-2, Revision 1 in its entirety. Calculation packages, as requested by the NRC are being provided under separate cover.

The enclosed submittal package is organized as follows:

Attachment 1: Responses to RAIs. This attachment re-states each question and provides a response after each question. Text matter and figures cited in the responses are located at the end of the main body of the RAI responses.

Attachment 2: Summary of Proposed Changes. This document has been appropriately revised to reflect modifications to the submittal made in response to the NRC's RAI and a small number of additional minor proposed changes to the CoC and FSAR.

Attachment 3: Mark-up of proposed CoC changes.

Attachment 4: Revised version of proposed CoC changes.

Attachment 5: Proposed FSAR changes. If there was any change to a Proposed Revision 2 FSAR Section, the entire section is provided with "Proposed Revision 2B" in the footer. New appendices and revised or new figures are identified similarly. The current revision level of each FSAR page and figure is provided in an updated List of Effective Pages. An updated Table of Contents is also provided. All changes

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proposed against FSAR Revision 1 are identified in *italic/strikeout* format, except for FSAR Section 4.4, 4.5, and 7.1. FSAR Sections 4.4, 4.5, and 7.1 show only the revised text in italic font (i.e., no strikeouts are indicated).

Finally, this revised submittal contains a small number of minor changes to the CoC, and FSAR not previously included in the LAR. These changes were identified after the original submittal of the amendment request in March, 2002. These changes have been added to new Section IV of the revised Summary of Proposed Changes (Attachment 2 of the LAR package).

We thank the SFPO for its continued review effort on this amendment request, which is focused on reducing the overall radiation exposure to plant workers and the public from dry spent fuel storage and transportation activities, primarily through the use of regionalized fuel storage.

Please contact the undersigned if you require additional information.

Sincerely,

Brian Gutherman, P.E.  
Manager, Licensing and Technical Services

Approval:

K.P. Singh, Ph.D., P.E.  
President and CEO

Attachments: As Stated

Document ID: 5014490



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**Distribution:** Mr. Christopher Regan, USNRC (Cover letter w/7 copies of LAR package)  
NRC Document Control Desk (Original cover letter w/one copy of LAR package)

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