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August 13, 2004

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

Subject: USNRC Docket No. 72-1014, TAC L23657
HI-STORM 100 Certificate of Compliance 1014
HI-STORM License Amendment Request 1014-2, Revision 2, Supplement 5

References: 1. Holtec Project 5014
2. Meeting between USNRC and HOLTEC on August 4, 2004

Dear Sir:

As committed in the meeting on August 4th, we herewith provide Supplement 5 to License Amendment Request (LAR) 1014-2, Revision 2. In this supplement, the allowable MPC decay heat loads were reversed to the levels approved in Revision 1 of the CoC, while retaining all other changes previously submitted under this LAR. The most important of these retained changes are

- Changes to support compliance with ISG 11
- Changes to support compliance with ISG 18
- Additional Neutron Absorber Material
- Clarification of ZPA in Cask Sliding
- Various improvements of the approved content
- Changes in soluble boron requirements
- Changes to address potential presence of ice or water under the HI-STORM

The following attachments are provided.

Attachment 1: Summary of Proposed Changes: This document has been appropriately revised to reflect the modifications. All changes to this document from the previously submitted summary are clearly marked.

Attachment 2: Mark-Up of Proposed CoC changes.

Attachment 3: Final Version of Proposed CoC changes.

Attachment 4: Revised FSAR. This is a full copy of the FSAR including all revised and unchanged sections and figures. If there was any change to a previously submitted section, either individual pages or the entire section is provided with "Proposed Revision 2E" in the footer. Note that sections or figures included from Revision 1 still might show revision bars. These are related to the changes in Revision 1, not to changes in this LAR. The current revision level of each FSAR page and figure is provided in an



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updated List of Effective Pages. An updated Table of Contents is also provided. All changes proposed against FSAR Revision 1 are identified in italic/strikeout format.

We appreciate the SFPO's continued diligent review of this amendment. Certain elements of this amendment request are required by our users for deployment of dry storage systems in the near future. To that end, we request approval of this amendment (rulemaking complete) by December 31, 2004. If you have any questions or require additional information, please contact us.

Sincerely,

Evan Rosenbaum, P.E.
Project Manager, LAR 1014-2

Approval:

Stefan Anton, Dr.-Ing.
Acting Licensing Manager

Document ID: 5014536

Attachments: As Stated

cc: Mr. Christopher Regan, USNRC (hardcopy letter and CD)
HUG Licensing Correspondence Distribution (CD)
Holtec Groups 1, 2, and 4 (w/o attach.)