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September 6, 2002

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

Subject: USNRC Docket No. 72-1014
HI-STORM 100 Certificate of Compliance 1014
HI-STORM Final Safety Analysis Report Update per 10 CFR 72.248(c)(6)

References:

1. Holtec Project 5014
2. Letter from NRC, E. William Brach, to Holtec, "Exemption from 10 CFR 72.248(c)(6) for Updating the Final Safety Analysis Report for the HI-STORM 100 Cask System", dated May 23, 2002.
3. Letter from NRC, E. William Brach, to Holtec, "Amendment 1 to Certificate of Compliance No. 1014 for the Holtec International HI-STORM 100 Cask System to Add Additional Contents to the Package", dated July 18, 2002

Dear Sir:

In accordance with 10 CFR 72.248(c)(6) and the above-referenced exemption, Holtec International herewith submits Revision 1 of the Final Safety Analysis Report (FSAR) for the HI-STORM 100 Dry Spent Fuel Storage System. HI-STORM 100 FSAR Revision 1 contains all changes necessary to reflect information and analyses submitted to the NRC by Holtec since the submission of FSAR Revision 0. FSAR Revision 1 completely supersedes FSAR Revision 0. This FSAR update includes the effects of all changes to the cask design or procedures made pursuant to 10 CFR 72.48 and those changes that have received prior NRC review and approval, including Amendment 1 to the HI-STORM CoC (Reference 3). All changes implemented up to a maximum of six months prior to this update are included.

FSAR Section 1.0.1 includes a list of Holtec Engineering Change Orders (ECOs) for generic changes to the cask system which are reflected in Revision 1 of the FSAR. A subset of those ECOs represent changes authorized under 10 CFR 72.48. The balance represent changes for which 10 CFR 72.48 was not applicable (e.g., prior NRC approval was received). A list summarizing the generic cask system changes made by Holtec under the provisions of 10 CFR 72.48 since the submittal of FSAR Revision 0 is provided in Attachment 1 to this letter.

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All changes included in the FSAR text and tables are indicated with a revision bar in the right margin and "Rev. 1" in the lower right corner of the page. If anything in a particular text section (e.g., Section 1.X) changed, the entire section was updated to Revision 1. The revision bars indicate the specific location of the changes on the affected pages. Sections with no changes still say "Rev. 0" in the footer.

New and revised figures have been updated individually and include "Rev. 1" in the footer below the figure. Figures that did not change still indicate "Rev. 0" in the footer. Licensing drawings (created in Holtec's new SolidworksTM standard drafting software) for certain components are included in FSAR Revision 1. These drawings reflect the changes discussed above and are at a level of detail commensurate with the supporting safety analyses discussed in the FSAR. The components for which licensing drawings are provided include the MPC enclosure vessel, each of the MPC fuel basket designs, the HI-STORM 100S overpack design, and the HI-TRAC 125D transfer cask design. Fabrication of these components is still performed in accordance with the detailed design drawings. The original drawings for the "standard" HI-STORM overpack and HI-TRAC transfer cask designsTM have been updated to reflect design changes, but have not been converted to the SolidworksTM software. FSAR Section 1.5 contains a complete list of all drawings in the FSAR and their revision level at the time of this update. Lastly, FSAR Revision 1 includes an updated Table of Contents and List of Effective Pages, indicating the current revision of each page of text and figure in the document.

If you have any questions or require additional information, please contact us.

Sincerely,

Approved:

Brian Gutherman, P.E.
Licensing Manager

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



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CERTIFICATION PURSUANT TO 10 CFR 72.248(C)(4)(i)

I hereby certify that the information in HI-STORM FSAR, Revision 1 accurately presents changes made since the submittal of HI-STORM FSAR Revision 0.

Brian Gutherman, P.E.

Licensing Manager

Attachment: 1. List of Changes Made Pursuant to 10 CFR 72.48

Enclosure: HI-STORM 100 Cask System Final Safety Analysis Report, Revision 1

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