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May 1, 2007

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

Subject: USNRC Docket No. 72-1008
HI-STAR 100 Certificate of Compliance 1008
HI-STAR Final Safety Analysis Report Update per 10 CFR 72.248(c)(6)

Reference: Holtec Project 5014

Dear Sir:

In accordance with 10 CFR 72.248, Holtec International herewith submits Revision 3 of the Final Safety Analysis Report (FSAR) for the HI-STAR 100 Dry Spent Fuel Storage System. HI-STAR 100 FSAR Revision 3 includes the effects of all changes to the cask design or procedures made pursuant to 10 CFR 72.48 that were not previously incorporated into the FSAR. 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 that are reflected in Revision 3 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., editorial, correction of inconsistency, etc.). A list summarizing all changes made by Holtec since the submittal of FSAR Revision 2 is provided in Attachment 1 to this letter.

All changes included in the FSAR text and tables are indicated with a revision bar in the right margin and "Rev. 3" 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 3. The revision bars indicate the specific location of the changes on the affected pages. Sections with no changes in this revision still indicate "Rev. 0", "Rev. 1", or "Rev. 2" in the footer.

FSAR Revision 3 includes an updated Table of Contents and List of Effective Pages, indicating the current revision of text pages and figures in the document.

This FSAR update is provided as an electronic submittal only.

Document ID 5014619

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The next update to the FSAR, or a statement that no changes were made, will be submitted in October 2007. This will bring the submittal schedule in line with the 24 month submittal interval based on the original issuance of the CoC in October 1999.

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

Sincerely,

Stefan Anton, Dr.-Ing.
Licensing Manager, Holtec International

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

Enclosure: HI-STAR 100 Cask System Final Safety Analysis Report, Revision 3 (CD format).

Distribution: NRC Document Control Desk (original w/attach. and encl.)
Mr. Christopher Regan, USNRC (w/attach. and encl.)
General and Site-Specific Licensees (via separate distribution)
Holtec Groups 1-4 (w/o attach. and encl.)



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

I hereby certify that the information in HI-STAR FSAR, Revision 3 accurately presents changes made since the submittal of HI-STAR FSAR Revision 2.

Stefan Anton, Dr.-Ing.
Licensing Manager, Holtec International

INFORMATION PERTAINING TO COMPACT DISK SUBMITTAL

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Document Components: One (1) CD-ROM is included with this submission. The CD-ROM labeled "HI-STAR 100 FSAR Rev 3" contains one file:

File Name: HI-STAR 100 FSAR_Rev 3.pdf
File Size: 35 Megabytes

Non-document Components: None

**CHANGES TO
HI-STAR FSAR, REVISION 3**

ECO NUMBER	72.48 NUMBER	Affected Chapter(s)	SUMMARY OF CHANGE
5014-112	738	9.1	Pneumatic pressure testing requirements were revised for consistency with ASME Section III, Subsection NB.
5014-116	N/A	2.0	The change is editorial and creates consistency between Table 2.0.1 and the text in Chapter 9.
5014-126	N/A	8.1	The proposed change ensures that the lift yoke arms remain engaged during the upending and downending of the HI-STAR on the transfer frame. This change creates consistency with Holtec procedures.
5014-134	836	3.4, Appendix 3.M	The MPC-68 bounding sheathing weight was increased in the weld capacity calculations (Appendix 3.M) and the resulting safety factors for the MPC components were slightly modified as a result (Table 3.4.9)
5014-142	N/A	Chapter 13, Table 1.0.3	Chapter 13 was revised, consistent with the NRC approved revision to the corresponding chapter in the HI-STORM FSAR (72-1014). Table 1.0.3 was also updated accordingly.