November 24, 2008

Ms. Tammy Morin, Licensing Manager
Holtec International
Holtec Center
555 Lincoln Drive West
Marlton, NJ 08053

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING REVIEW OF THE ENVIRONMENTAL REPORT ON THE HOLTEC INTERNATIONAL HI-STORM 100U SYSTEM (TAC NO. L24085)

Dear Ms. Morin:

By letter dated June 2, 2008, Holtec International submitted an environmental report to the U.S. Nuclear Regulatory Commission (NRC) on the HI-STORM 100U VVM in the HI-STORM 100 MPC based storage system. This report is a required supplement to the April 2007 application requesting an amendment (6) to its Certificate of Compliance (CoC) No. 1014 from the U.S. Nuclear Regulatory Commission (NRC) for the HI-STORM 100 spent fuel dry cask storage system. The NRC is using the environmental report to develop an Environmental Assessment (EA) as part of the rulemaking necessary to amend the CoC to incorporate the HI-STORM 100U.

The staff has reviewed your environmental report and determined that additional information is required to support NRC's environmental review with respect to the requirements of 10 CFR Part 51. Enclosed is the staff's Request for Additional Information (RAI) that identifies the information needed for the continued development of the required (EA).

Your full and complete response to the enclosed RAI is necessary for the staff to complete its environmental review. In order to meet our schedule, we need to receive your RAI responses within 30 days following the date you receive this letter or December 31, 2008.

If you have any questions, please contact Dr. Allen Fetter of my staff by telephone at (301) 415-8556, or by email at Allen.Fetter@nrc.gov. Written response can be provided to: Allen Fetter, c/o Document Control Desk, U.S. Nuclear Regulatory Commission, Mail Stop T-8F5, Washington, DC 20555-0001. Thank you for your assistance.

Sincerely,

/RA/

Gregory F. Suber, Chief
Environmental Review Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 72-1014
License Amendment
Request No.: 1014-6

Enclosure: Request for
Additional Information

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Enclosure: Request for
Additional Information

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OFC	DWMEP	DWMEP	NMSS	DWMEP
NAME	A. Fetter: cr	A. Walker-Smith	R. Wharton	G. Suber
DATE	11/24/08	11/24/08	11/24 /08	11/24 /08

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REQUEST FOR ADDITIONAL INFORMATION ON THE ENVIRONMENTAL REPORT ON THE HI-STORM 100U VVM IN THE HI-STORM 100 MPC BASED STORAGE SYSTEM

Holtec International

Docket No. 72-1014
Licensing Amendment Request No. 1014-6

This Request for Additional Information (RAI) contains questions identified by the U. S. Nuclear Regulatory Commission (NRC) staff during its review of the Environmental Report and the FSAR associated with the license amendment. This information is required for the purpose of NRC's continued environmental review for development of the required Environmental Assessment (EA).

The following information is needed to determine compliance with 10 CFR Part 51, unless otherwise stated. It should be noted that other regulatory requirements may be applicable.

1. The proposed FSAR [1.1] specifies Keeler and Long KL3200 (an ultra low VOC, high solids polymide epoxy coating) for the exterior coating of the cavity enclosure canister (CEC) in contact with the subgrade, which includes contact with groundwater in sites with a high water table. This coating meets both the toxicological and extraction test requirements of ANSI/NSF Standard 61. Describe the toxicological and extraction characteristics of the inorganic high zinc content coating proposed for use on the CEC in salty high humidity environments.

2. In accordance with the design of HI-STORM 100U VVM described in FSAR, air inlet and outlet ventilation passages available for cooling through natural circulation are located close to ground surface. Describe how the proposed cask system design ensures that Threatened and Endangered Species (such as birds and small mammals), are precluded from nesting in either the air inlet or outlet ventilation passages (e.g., wire mesh barrier, etc.).

Enclosure