

April 6, 2006

MEMORANDUM TO: William H. Ruland, Deputy Director  
Licensing and Inspection Directorate  
Spent Fuel Project Office, NMSS

FROM: Christopher M. Regan, Senior Project Manager  
Licensing Section /RA/  
Licensing and Inspection Directorate  
Spent Fuel Project Office, NMSS

SUBJECT: SUMMARY OF APRIL 5, 2006, MEETING WITH HOLTEC  
INTERNATIONAL REGARDING PROPOSED AMENDMENT 5 TO THE  
HI-STORM 100 CERTIFICATE OF COMPLIANCE 1014 (TAC NO.  
L23955)

On April 5, 2006, the Nuclear Regulatory Commission (NRC) staff from the Spent Fuel Project Office met with representatives of Holtec International (Holtec) at NRC Headquarters in Rockville, Maryland. The purpose of the meeting was to provide Holtec the opportunity to present and discuss their proposed application for amendment 5 to Holtec 10 CFR Part 72 Certificate of Compliance (CoC) for the HI-STORM 100 dry cask storage system. The meeting was noticed on March 20, 2006. Enclosure 1 is a list of attendees, Enclosure 2 contains the Holtec presentation slides.

Holtec presented an overview of the amendment 5 application and described the proposed changes. The changes consist of structural changes to reduce the overall height of the HI-STORM 100 Multi-Purpose Canister (MPC) 32 and HI-TRAC transfer cask necessary to accommodate spent nuclear fuel from the Indian Point Unit 1 (IP1) spent fuel pool and to permit lifting of the loaded cask, which is limited to 75 tons by the capacity of the overhead crane. The IP1 fuel will conservatively be classified as damaged fuel and placed in damaged fuel containers (DFCs) before being placed into the shortened MPC-32. The amendment 5 request will propose loading of DFCs in all locations within the MPC-32 basket. The proposed changes to the CoC will be specific only to the IP1 fuel.

The staff questioned Holtec about the compatibility of the proposed design changes specific to the IP1 and the equipment and processes used to move fuel at the neighboring Indian Point Unit 2 (IP2) facility. Holtec stated the proposed changes were fully compatible with the IP2 equipment. The staff asked if as a result of the design changes there would be any loading (or unloading) procedural changes. Holtec responded that none of the proposed changes would necessitate any procedural changes. Concerns were raised regarding the void space within the MPC given the small size of the IP1 fuel assemblies relative to the locations in the basket for each DFC. Specifically, the affect of these void spaces might have on g loads applied to the fuel assemblies during accident drop scenarios. Holtec acknowledged the issue but preliminarily stated it was not a concern.

Holtec indicated that the licensee, Entergy IPEC, desires the ability to move fuel out of the IP1 spent fuel pool by the fourth calendar quarter of 2007 with the potential to begin movement as early as the summer of 2007, if possible. As such Holtec will be requesting issuance of an approved CoC by February/March 2007. Holtec intends to submit the amendment 5 application on June 1, 2006. The staff questioned whether these changes could have been made under the provisions of 10 CFR 72.48. Holtec indicated that the request to load DFCs into all locations in the MPC-32 basket does not satisfy the 72.48 criteria and therefore the proposed change must be submitted to the NRC for review and approval as an amendment to the design.

In summary, the staff thanked Holtec for the material that was presented. No regulatory decisions were made by the NRC during the meeting on the material presented. There were no questions from the members of the public.

Docket No. 72-1014

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Enclosures: 1. Attendance List  
2. Presentation Slides

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|-------------|----------|--|------------|--|------------|--|
| <b>OFC</b>  | SFPO     |  | SFPO       |  | SFPO       |  |
| <b>NAME</b> | CRegan   |  | EZiegler   |  | RNelson    |  |
| <b>DATE</b> | 04/05/06 |  | 04/ 05 /06 |  | 04/ 06 /06 |  |

**Official Record Copy**

## **Attachment 1**

## **Attendee List**

**Meeting with Holtec International  
HI-STORM 100 Proposed Amendment 5  
April 5, 2006**

ATTENDANCE LIST

| <u>Name</u>        | <u>Affiliation</u>               |
|--------------------|----------------------------------|
| Wayne Hodges       | NRC/NMSS/SFPO                    |
| Christopher Regan  | NRC/NMSS/SFPO                    |
| Jorge Solis        | NRC/NMSS/SFPO                    |
| Jeremy Smith       | NRC/NMSS/SFPO                    |
| Geoff Hornseth     | NRC/NMSS/SFPO                    |
| Bob Shewmaker      | NRC/NMSS/SFPO                    |
| Bob Nelson         | NRC/NMSS/SFPO                    |
| Larry Campbell     | NRC/NMSS/SFPO                    |
| Jerry Chuang       | NRC/NMSS/SFPO                    |
| Michel Call        | NRC/NMSS/SFPO                    |
| Randy Hall         | NRC/NMSS/SFPO                    |
| Ray Wharton        | NRC/NMSS/SFPO                    |
| Stephan Anton      | Holtec International             |
| Everett Redmond II | Holtec International             |
| Alan Soler         | Holtec International             |
| Vince Bilovsky     | Holtec International             |
| Paul Peloquino     | Entergy IPEC                     |
| William Ball       | Entergy                          |
| Don Mayer          | Entergy IPEC                     |
| Carlyn Greene      | Spent Fuel (via conference call) |
| Maureen Conley     | Platts/McGraw-Hill               |

## **Attachment 2**

### **Presentation Slides**

