

June 7, 2012

MEMORANDUM TO: Doug Weaver, Deputy Director  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

FROM: John Goshen, Project Manager **/RA/**  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: SUMMARY OF APRIL 19, 2012, HOLTEC INTERNATIONAL, INC.  
PRE-APPLICATION MEETING FOR THE HI-STORM UMAX CASK  
STORAGE SYSTEM

PURPOSE:

To provide Holtec International, Inc. (Holtec), opportunity to discuss its proposed HI-STORM Underground Maximum (UMAX) Cask System with the NRC staff.

MEETING SUMMARY:

The meeting took place on April 19, 2012, from 1:00 p.m. to 4:00 p.m., at the NRC's Executive Boulevard Building in Rockville, MD. Attendees included Holtec staff, NRC's Division of Spent Fuel Storage and Transportation (SFST) and three members of the public. The attendance list is enclosed (Enclosure 1). The meeting began with introductions, introductory remarks by SFST staff and Holtec staff, and then moved to Holtec's presentations (Enclosure 2).

It is Holtec's intent to submit a Certificate of Compliance (CoC) application allowing underground storage of previously approved multi-purpose canisters (MPCs) using a vertical ventilated module (VVM) overpack. The VVM is similar to that previously approved in the HI-STORM Flood/Wind Cask Storage System. The underground storage facility is similar to that previously evaluated and approved in the HI-STORM 100 Cask System, Amendment Nos. 7 and 9. The safety analysis would be performed using similar computer modeling and analytical methods previously reviewed and found acceptable by the NRC staff. The application would not include MPCs, and Holtec believes that a general licensee would use the HI-STORM 100 CoC No. 1014 as certification to use these. Holtec stated that the purpose of this method of utilizing two CoCs to implement this type of storage system is to prevent duplication in maintaining the same MPC information in multiple Technical Specifications and Final Safety Analysis Reports. Holtec stated that it intended to provide the application in mid June 2012.

After Holtec's presentation SFST staff asked technical questions regarding Holtec's technical and regulatory approach. The NRC staff stated that it would review Holtec's intended regulatory

approach with the Office of General Counsel, and provide feedback to Holtec before June 1, 2012. There were no questions from members of the public.

No regulatory decisions were made at the meeting.

If you have any questions or comments, please contact me at (301) 492-3325 or [John.goshen@nrc.gov](mailto:John.goshen@nrc.gov).

Docket No. : 72-1040

TAC No. : L24626

Enclosures:  
As stated

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If you have any questions or comments, please contact me at (301) 492-3325 or [John.goshen@nrc.gov](mailto:John.goshen@nrc.gov).

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Enclosures:  
Attendance List  
Holtec Presentations

DISTRIBUTION:

NRC attendees      SFST Reading File      BPoole

**ADAMS**

File Locations

G:\SFST\HI-STORM UMAX\Preapplication meeting\Holtec 4 19 12 Mtg Summary.doc  
    \Licensing UMAX April 19 2012.pdf  
    \Shielding UMAX April 19 2012.pdf  
    \Singh Presentation April 19 2012.pdf  
    \Structural UMAX April 19 2012.pdf  
    \Thermal UMAX April 2012 .pdf

**ADAMS P8 Package No.: ML12160A179      ADAMS P8 Memo No.: ML12160A184**

<b>OFC:</b>	SFST	SFST	SFST
<b>NAME:</b>	JGoshen	WWheatley	MWaters
<b>DATE:</b>	5/16/2012	5/ 21/2012	6/07/2012

**OFFICIAL RECORD COPY**

## Enclosure 1

April 19, 2012  
ATTENDANCE LIST

<u>Name</u>	<u>Affiliation</u>
Brooke Poole	NRC/SFST
Victor Cusumano	NRC/SFST
David Tang	NRC/SFST
Haile Lindsay	NRC/SFST
Gordon Bjorkman	NRC/SFST
Kim Hardin	NRC/SFST
John Goshen	NRC/SFST
Alexis Sotamayor-Rivera	NRC/SFST
Zhian Li	NRC/SFST
Jorge Solis	NRC/SFST
Natreon Jordon	NRC/SFST
Veronica Wilson	NRC/SFST
Yiqiang Lin	Holtec
Vena Gubbi	Holtec
Joy Russell	Holtec
Kris Singh	Holtec
Stefan Anton	Holtec
Kaushik Banerjee	Holtec
Debu Mitra-Majumdar	Holtec
Chuck Bullard	Holtec
John Zhai	Holtec
Maureen Conley	Platz
Carlyn Greene	Ux Consulting Company
Steve Ewens	Ameren
David Shafer	Ameren

**Enclosure 2**

**HI-STORM UMAX  
STORAGE SYSTEM**

**HOLTEC PRESENTATIONS**