

September 24, 2014

MEMORANDUM TO: James Danna, Chief
Rulemaking Branch B
Division of Intergovernmental Liaison and Rulemaking, FSME

FROM: Michele Sampson, Chief /RA/
Licensing Branch
Division of Spent Fuel Storage and Transportation, NMSS

SUBJECT: HOLTEC INTERNATIONAL HI-STORM 100 CASK SYSTEM,
AMENDMENT NO. 8, REVISION NO. 1 RULEMAKING (TAC. NO
L24777)

We have completed our technical reviews of the proposed Revision No. 1 to Certificate of Compliance (CoC) No. 1014, Amendment No. 8, the proposed Technical Specifications (TS), and the preliminary safety evaluation report (SER) for the HI-STORM 100 Cask System. Vertical lines in the margin indicate the proposed changes to the CoC and TS. We are forwarding these documents to you for inclusion in the proposed rulemaking package for this canister system.

By letter dated August 21, 2013, as supplemented December 20, 2013, and February 28, 2014, Holtec International (Holtec) submitted a revision request to the U.S. Nuclear Regulatory Commission (NRC) for the HI-STORM 100 Certificate of Compliance (CoC) No. 1014, Amendment No. 8. As a revision, the CoC will supersede the previous version of the CoC and Technical Specifications, effective May 2, 2012, as corrected on November 16, 2012, in its entirety. The proposed changes include the following:

- (1) Change Burnup/Cooling Time limits for thimble plug devices,
- (2) Change Metamic-HT testing requirements,
- (3) Change Metamic-HT minimum guaranteed values, and
- (4) Update fuel definitions to allow boiling water reactor fuel affected by certain corrosion mechanisms within specific guidelines to be classified as undamaged fuel.

The proposed CoC and TS, and preliminary SER will be placed in ADAMS (see reference below) and will be available for your use in the rulemaking package. The Division of Spent Fuel Storage and Transportation will designate these documents as Official Agency Records after

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the Executive Director for Operations has approved the package (ADAMS Package No. ML14262A481).

Docket No.: 72-1014

ADAMS References:

Enclosure 1: Proposed CoC No. 1014, Amendment No. 8, Revision 1(ML14262A478)

Enclosure 2: Proposed TS Appendix A (ML14262A480)

Enclosure 3: Proposed TS Appendix B (ML14262A479)

Enclosure 4: Preliminary SER (ML14262A476)

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the Executive Director for Operations has approved the package (ADAMS Package No. ML14262A481).

Docket No.: 72-1014

ADAMS References:

- Enclosure 1: Proposed CoC No. 1014, Amendment No. 8, Revision 1(ML14262A478)
- Enclosure 2: Proposed TS Appendix A (ML14262A480)
- Enclosure 3: Proposed TS Appendix B (ML14262A479)
- Enclosure 4: Preliminary SER (ML14262A476)

Distribution: NMSS r/f

ADAMS: ML14262A477

File location: G:\SFST\HI-STORM 100\Amendment 8\Revision 1\Rulemaking\1014-8 R1 User need.docx
 \1014-8 R1 Proposed CoC.doc
 \1014-8 R1 Proposed AppA.doc
 \1014-8 R1 Proposed AppB.doc
 \1014-8 R1 Preliminary SER.docx

OFC:	SFST	SFST	SFST	SFST	SFST	SFST
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DATE:	06/20/14	06/23/14	07/18/14	07/21/14	07/21/14	07/21/14
OFC:	SFST	SFST	SFST	SFST	SFST	OGC- NLO
NAME:	DTarantino	CAraguas	MRahimi	ACsontos	TLupold MSampson	ACoggins
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