



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

January 14, 2015

MEMORANDUM TO: Mark A. Satorius  
Executive Director for Operations

FROM: Laura A. Dudes, Director */RA/ PHenderson for LDudes*  
Division of Material Safety, State, Tribal  
and Rulemaking Programs  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: DIRECT FINAL RULE TO REVISE THE 10 CFR PART 72  
LIST OF APPROVED SPENT FUEL STORAGE CASKS;  
HOLTEC INTERNATIONAL HI-STORM 100 CASK SYSTEM,  
AMENDMENT NO. 8, REVISION NO. 1, TO CERTIFICATE OF  
COMPLIANCE NO. 1014 (RIN 3150-AJ47)

Enclosed for your signature is a direct final rule, along with the companion proposed rule (Enclosures 1 and 2), amending the U.S. Nuclear Regulatory Commission's spent fuel storage regulations by revising the list of approved spent fuel storage casks in § 72.214 of Title 10 of the *Code of Federal Regulations*. The staff is amending its regulations containing the list of approved spent fuel storage cask designs to remove Amendment 8 (effective May 2, 2012, and corrected on November 16, 2012), and add Amendment No. 8, Revision No. 1, to the Holtec International HI-STORM 100 Cask System (Certificate of Compliance (CoC) No. 1014).

Amendment No. 8 to CoC 1014 continues to be effective, but is now being modified with respect to certain specified provisions, as outlined in Amendment No. 8, Revision 1. These revisions apply to all general Independent Spent Fuel Storage Installation (ISFSI) licensees using the casks. Thus, Amendment No. 8, Revision 1, supersedes the previously issued Amendment No. 8 (effective May 2, 2012, and corrected on November 16, 2012). In requesting this revision instead of a new amendment, Holtec indicated that it has not manufactured any cask under CoC No. 1014, Amendment No. 8, and, consequently, no ISFSI licensee has placed such a cask into service.

Amendment No. 8, Revision 1, changes burnup/cooling time limits for thimble plug devices; changes Metamic-HT material testing requirements; changes Metamic-HT material minimum guaranteed values; and updates fuel definitions to allow boiling water reactor fuel affected by certain corrosion mechanisms with specific guidelines to be classified as undamaged fuel.

CONTACT: Greg Trussell, NMSS/MSTR  
(301) 415-6445

Notices: Enclosure 3 (Notice of Direct Final Rule Signed by the Executive Director for Operations (EDO)) documents that you have signed the two *Federal Register* notices, and intend to forward them to the Office of the Federal Register unless otherwise directed by the Commission. The appropriate congressional committees will be notified.

Resources: No additional resources will be needed to implement this rulemaking.

Coordination: The Office of Administration concurs with this amendment. The Office of the General Counsel has no legal objection.

Enclosures:

1. Direct Final Rule
2. Proposed Rule
3. Notice of Direct Final Rule Signed by the EDO

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<b>OFC</b>	MSTR/NMSS	MSTR/NMSS	MSTR/NMSS	OGC
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<b>DATE</b>	12/22/2014	12/22/2014	11/21/2014	12/15/2014
<b>OFC</b>	ADM	Tech Ed	MSTR/NMSS	
<b>NAME</b>	CBladey	PTressler	PHenderson for LDudes	
<b>DATE</b>	11/21/2014	01/12/2015	01/14/2015	

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