



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

March 30, 2000

MEMORANDUM TO: Donald A. Cool, Director  
Division of Industrial and Medical  
Nuclear Safety  
Office of Nuclear Material Safety  
and Safeguards

FROM: E. William Brach, Director *M. Wayne Hodges*  
Spent Fuel Project Office *for*  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: REQUEST FOR RULEMAKING TO REVISE 10 CFR 72.214 TO  
SUPPORT THE AMENDMENT OF THE CERTIFICATE OF  
COMPLIANCE NO. 1015 FOR THE NAC-UMS® UNIVERSAL  
STORAGE SYSTEM

I am requesting that the Division of Industrial and Medical Nuclear Safety (IMNS) complete the actions necessary to amend 10 CFR 72.214 (list of approved spent fuel storage cask designs) to revise Certificate of Compliance (CoC) No. 1015 for the NAC International (NAC) NAC-UMS® Universal Storage System (NAC-UMS). On July 16, 1999, as supplemented, NAC submitted an application and associated Safety Analysis Report (SAR) to revise CoC No. 1015 to allow for the storage of high burnup fuel and damaged fuel in the NAC-UMS cask design. Proposed language revising 10 CFR 72.214 and Federal Register notice supporting information are attached.

We are reviewing the associated SAR in accordance with 10 CFR 72.246 and have concluded that a revision of CoC No. 1015 is warranted. We will provide a proposed revision to CoC No. 1015 and preliminary Safety Evaluation Report to your staff by April 28, 2000, for inclusion in the proposed rule package. I am requesting that this amendment be issued via the normal proposed rulemaking process and that the schedule for this rulemaking be consistent with the generic schedule for CoC rulemakings previously discussed between our staffs.

CONTACTS: Philip G. Brochman, NMSS/SFPO  
(301) 415-8592

Tim McGinty, NMSS/SFPO  
(301) 415-8580

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D. Cool

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March 30, 2000

For fee billing purposes, I am requesting that IMNS obtain a TAC number under PA Code 221AHA for recording staff time expended on this rulemaking. Please provide this information and your schedule for completing this rulemaking to SFPO within 21 days from the date of this memorandum.

Docket No. 72-1015

Attachment: Information for Federal Register Notice

For billing purposes, I am requesting that IMNS obtain a TAC number under PA Code 221AHA for recording staff time expended on this rulemaking. Please provide this information and your schedule for completing this rulemaking to SFPO within 21 days from the date of this memorandum.

Docket No. 72-1015.

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FYoung <sup>a</sup>					

File Name: G:\BROCHMAN\RULES\COC\NAC-UMS\NAC-UMS, Amend #1 user need.wpd

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<b>NAME:</b>	PBrochman		TMcGinty		VTharpe		PEng		SShankman		EWBrach	
<b>DATE:</b>	03/ /00		03/ /00		03/ /00		03/ /00		03/ /00		03/ /00	

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## INFORMATION FOR THE FEDERAL REGISTER NOTICE

### 1. Proposed amendment to 10 CFR 72.214:

★                   ★                   ★                   ★                   ★  
Certificate Number: 1015  
Initial Certificate Effective Date: [insert effective date of the original CoC]  
Revision No. 1 Effective Date: [insert effective date of final rule]  
SAR Submitted by: NAC International, Inc.  
SAR Title: Final Safety Analysis Report for the NAC-UMS® Universal Storage System  
Docket Number: 72-1015  
Certificate Expiration Date: [insert expiration date of the original CoC]  
Model Number: NAC-UMS  
★                   ★                   ★                   ★                   ★

### 2. Applicant Information:

NAC International, Inc. of Norcross, Georgia.

### 3. Purpose of the revision

This revision to CoC No. 1015 for the NAC-UMS® Universal Storage System (NAC-UMS) would permit two changes to the NAC-UMS cask design. First, the maximum spent fuel burnup limit would be increased from 45,000 to 50,000 MWD/MTU [megaWatt days per metric ton of uranium]. Second, the storage of damaged spent fuel would be permitted in a damaged fuel container.

Attachment

D. Cool

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**ADAMS ACCESSION ML003697877 #**

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<b>OFC:</b>	TSSI	E	SFL	E	SFL	2E	TSSI	E	DD:SLID	E	D:SFPO	E
<b>NAME:</b>	PBrochman		<i>[Signature]</i>		VTharpe		PEng		SShankman		EWBrach	
<b>DATE:</b>	03/30/00		03/30/00		03/30/00		03/30/00		03/30/00		03/30/00	

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JK

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