



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

December 6, 2021

MEMORANDUM TO: Jill Shepherd, Acting Chief
Materials Rulemaking
and Project Management Branch
Division of Rulemaking, Environmental,
and Financial Support Branches
Office of Nuclear Material Safety
and Safeguards

FROM: Yoira K. Diaz Sanabria, Chief
Storage and Transportation Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

A handwritten signature in black ink, appearing to read "Yoira K. Diaz Sanabria".

Signed by Diaz-San
on 12/06/21

SUBJECT: USER NEED FOR RULEMAKING FOR AMENDMENT NO. 9 TO THE
NAC INTERNATIONAL NAC-UMS STORAGE SYSTEM

The following information is being provided to request correction of an administrative error in the recently completed rulemaking for NAC-UMS Amendment No. 8 and rulemaking support for the following Division of Fuel Management certification activity to amend Title 10, *Code of Federal Regulations* (10 CFR) Part 72 for NAC-UMS Amendment No. 9:

1. Changes to 10 CFR 72.214 rule text (changes appear in bold):

Certificate Number: 1015.
Initial Certificate Effective Date: November 20, 2000.
Amendment Number 1 Effective Date: February 20, 2001.
Amendment Number 2 Effective Date: December 31, 2001.
Amendment Number 3 Effective Date: March 31, 2004.
Amendment Number 4 Effective Date: October 11, 2005.
Amendment Number 5 Effective Date: January 12, 2009.
Amendment Number 6 Effective Date: January 7, 2019.
Amendment Number 7 Effective Date: July 29, 2019.
Amendment Number 8 Effective Date: October 19, 2021, as corrected on [INSERT
DATE CORRECTION WAS PUBLISHED IN THE FEDERAL REGISTER] (ADAMS
Accession No. ML21312A499).
Amendment Number 9 Effective Date: TBD

CONTACT: Bernard White, DFM/NMSS
(301) 415-6577

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: November 20, 2020¹.

Model Number: NAC-UMS.

2. Use the following text for the purpose and scope of the correction to NAC-UMS Amendment No. 8 and rulemaking for NAC-UMS Amendment No. 9:

On July 30, 2021 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML21222A017), NAC International, Inc., (NAC) submitted an application to amend the NAC-UMS Storage System. NAC requested correction of effective thermal properties for PWR fuel assemblies used in the certification basis ANSYS thermal models and it updated some modeling assumptions.

The U.S. Nuclear Regulatory Commission (NRC) published a direct final rule on September 30, 2021, amending its spent fuel storage regulations by revising the NAC International, Inc. (NAC) NAC-UMS storage system listing within the "List of approved spent fuel storage casks" to include Amendment No. 8, to Certificate of Compliance (CoC) No. 1015. The direct final rule was effective on October 19, 2021. The technical specifications (TS) included three minor editorial and non-substantive errors. The purpose of this action is to correct these errors.

On Page B-2, the NRC inadvertently omitted listing package B-4. On what should have been Page B-4, the page number was listed as B-3, resulting in two pages with the same page number.

The amendment revision number in the footer on Page B3-2 of the Technical Specifications, Appendix B, should have been changed from Amendment No. 7 to Amendment No. 8, but was not. Correcting this error would not change the substantive responsibilities of any person or entity regulated by the NRC. This document corrects this error. The corrected page can be found at ADAMS Accession No. ML21312A499.

¹ By letter dated October 13, 2020 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML20293A102), NAC requested renewal of Certificate of Compliance No. 1015. Pursuant to 10 CFR 72.240, since the renewal application was submitted at least 30 days prior to expiration of the certificate, the existing certificate (and all amendments) will not expire until the application for renewal has been determined by the NRC.

3. The proposed CoC, Technical Specifications, and preliminary safety evaluation report (SER) have been placed in ADAMS (see references below) and are available for your use in the rulemaking package. DFM will designate these documents as Official Agency Records after the Executive Director for Operations has approved the rulemaking package (ADAMS Package No. ML21312A487).

The Office of the General Counsel has reviewed this memorandum with its referenced documents and has no legal objection to its contents.

Docket No. 72-1015

ADAMS References:

1. Proposed CoC No. 1015, Amendment No. 9 (ML21312A071)
2. Proposed TS Appendix A (ML21312A501)
3. Proposed TS Appendix B (ML21312A500)
4. Preliminary SER (ML21312A495)
5. Corrected Page B3-2 for Appendix B Technical Specifications NAC-UMS Amendment 8 (ML21312A499)

SUBJECT: USER NEED FOR RULEMAKING FOR AMENDMENT NO. 9 TO THE NAC
INTERNATIONAL NAC-UMS STORAGE SYSTEM DOCUMENT DATE December 6, 2021

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ADAMS Package Accession No. ML21312A487 ML21312A488 (LTR)

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User Need for Rulemaking and Enclosures for NAC-UMS Amendment 9 DATE December 6, 2021

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ADAMS Accession No.: Memo ML21312A488

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