



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

February 23, 2021

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

FROM: John McKirgan, Chief  
Storage and Transportation Licensing Branch  
Division of Fuel Management  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: USER NEED FOR RULEMAKING FOR AMENDMENT NO. 8 TO THE  
NAC INTERNATIONAL NAC-UMS STORAGE SYSTEM

The following information is being provided to request rulemaking support for the following Division of Fuel Management (DFM) certification activity to amend Title 10, *Code of Federal Regulations* (10 CFR) Part 72:

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: TBD**

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, 2020.

Model Number: NAC-UMS.

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

2. Use the following text for the purpose and scope of the amendment:

On December 18, 2018 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML20006D749), as supplemented on April 24, 2020 (ADAMS Package Accession No. ML20122A201) and August 7, 2020 (ADAMS Package Accession No. ML20227A066), NAC International, Inc., (NAC) submitted an application to amend the NAC-UMS Storage System. NAC requested addition of damaged boiling-water reactor spent fuel, including higher enrichment and higher burnup; and revised definitions for high burnup fuel and initial peak planar-average enrichment.

3. The proposed Certificate of Compliance, 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. ML20358A254).

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. 8 (ML20358A256)
2. Proposed TS Appendix A (ML20358A257)
3. Proposed TS Appendix B (ML20358A258)
4. Preliminary SER (ML20358A259)

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INTERNATIONAL NAC-UMS STORAGE SYSTEM**

DOCUMENT DATE: February 23, 2021

Distribution:

DFM r/f                      M. Bartlett, NMSS      M. George, NMSS  
 Package Accession No. ML20358A254  
 Memo ADAMS Accession No. ML20358A255  
 CoC ADAMS Accession No. ML20358A256  
 TS Appendix A Accession No. ML20358A257  
 TS Appendix B ADAMS Accession No. ML20358A258  
 SER Accession No. ML20358A259

\* via email

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<b>DATE</b>	12/17/2020	12/23/2020	12/21/2020	12/21/2020	12/21/2020
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<b>DATE</b>	12/21/2020	12/22/2020	12/22/2020	12/22/2020	12/22/2020
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<b>DATE</b>	12/28/2020	12/29/2020	2/22/2021	2/23/2021	

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