



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

June 29, 2022

MEMORANDUM TO: Jill Shepherd, 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

Handwritten signature of Christian Jacobs in blue ink.

Jacobs, Christian signing on behalf  
of Diaz-Sanabria, Yoira  
on 06/29/22

SUBJECT: USER NEED FOR RULEMAKING FOR AMENDMENT NO. 10, TO THE  
NAC INTERNATIONAL, INC. MAGNASTOR® STORAGE SYSTEM

The following information is being provided to request rulemaking support for the following  
Division of Fuel Management 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: 1031.

Initial Certificate Effective Date: February 4, 2009, superseded by Initial Certificate, Revision 1,  
on February 1, 2016.

Initial Certificate, Revision 1, Effective Date: February 1, 2016.

Amendment Number 1 Effective Date: August 30, 2010, superseded by Amendment Number 1,  
Revision 1, on February 1, 2016.

Amendment Number 1, Revision 1, Effective Date: February 1, 2016.

Amendment Number 2 Effective Date: January 30, 2012, superseded by Amendment Number  
2, Revision 1, on February 1, 2016.

Amendment Number 2, Revision 1, Effective Date: February 1, 2016.

Amendment Number 3 Effective Date: July 25, 2013, superseded by Amendment Number 3,  
Revision 1, on February 1, 2016.

Amendment Number 3, Revision 1, Effective Date: February 1, 2016.

Amendment Number 4 Effective Date: April 14, 2015.

Amendment Number 5 Effective Date: June 29, 2015.

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

Amendment Number 6 Effective Date: December 21, 2016.

Amendment Number 7 Effective Date: August 21, 2017, as corrected (ADAMS Accession No. ML19045A346).

Amendment Number 8, Effective Date: March 24, 2020

Amendment Number 9, Effective Date: December 7, 2020

**Amendment Number 10, Effective Date: TBD**

SAR Submitted by: NAC International, Inc.

SAR Title: Final Safety Analysis Report for the MAGNASTOR® System.

Docket Number: 72-1031.

Certificate Expiration Date: February 4, 2029.

Model Number: MAGNASTOR®.

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

By letter dated December 9, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19345E594), as supplemented on May 13, 2020 (ADAMS Accession No. ML20143A102), February 25, 2021 (ADAMS Package Accession No. ML21067A041), April 20, 2021 (ADAMS Accession No. ML21118A043), and September 2, 2021 (ADAMS Package Accession No. ML21251A529), NAC International (NAC) submitted an application for Amendment No. 10 to the Model No. MAGNASTOR® storage cask. The application proposes to add a new metal storage overpack.

3. The proposed certificate of compliance (CoC), Technical Specifications (TS), and preliminary safety evaluation report (SER) have been placed in ADAMS (see references below) and are available for your use in the rulemaking package. The Division of Fuel Management will designate these documents as Official Agency Records after the Executive Director for Operations has approved the rulemaking package (ADAMS Package No. ML22026A519).

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

Docket No. 72-1031

ADAMS References:

1. Proposed CoC No. 1031, Amendment No. 10, (ML22026A521)
2. Proposed TS Appendix A (ML22026A522)
3. Proposed TS Appendix B (ML22026A523)
4. Preliminary SER (ML22026A524)

USER NEED FOR RULEMAKING FOR AMENDMENT NO. 10, TO THE NAC INTERNATIONAL, INC.  
MAGNASTOR® STORAGE SYSTEM DATE June 29, 2022

DISTRIBUTION:

KJamerson, NMSS/MSST/MSEB

**ADAMS Accession No.: ML22026A519; Memo ML22026A520**

OFFICE	NMSS/DFM/STLB	NMSS/DFM/STLB	NMSS/DFM/IOB	NMSS/DFM/MSB
NAME	BWhite <i>BW</i>	WWheatley <i>WW</i>	MDavis <i>MD</i>	PKoch <i>PK</i>
DATE	Jan 28, 2022	Feb 1, 2022	Feb 3, 2022	Feb 1, 2022
OFFICE	NMSS/DFM/CTCFB	NMSS/DFM/MSB	NMSS/DFM/NARAB	NMSS/DFM/NARAB
NAME	JSolis <i>JS</i>	JWise <i>JW</i>	EGoldfeiz <i>EG</i>	JSmith <i>JS</i>
DATE	Feb 2, 2022	Feb 2, 2022	Feb 1, 2022	Feb 2, 2022
OFFICE	NMSS/DFM/MSB	NMSS/DFM/FFLB	NMSS/DFM	NRR/DNRL/NVIB
NAME	TBoyce <i>TB</i>	MDiaz <i>MD</i>	DMarcano <i>DM</i>	HGonzalez <i>HG</i>
DATE	Feb 7, 2022	Feb 7, 2022	Feb 3, 2022	Feb 3, 2022
OFFICE	NMSS/DFM/CTCFB			
NAME	YDiaz-Sanabria CJacobs for <i>CJ</i>			
DATE	Jun 29, 2022			

**OFFICIAL RECORD COPY**