



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

June 29, 2015

Mr. Wren Fowler
Licensing Manager
NAC International
3930 East Jones Bridge Road, Suite 200
Norcross, GA 30092

**SUBJECT: AMENDMENT NO. 5 TO CERTIFICATE OF COMPLIANCE NO. 1031 FOR THE
MAGNASTOR® STORAGE SYSTEM**

Dear Mr. Fowler:

As requested by your application dated December 19, 2013 (see Agencywide Documents Access and Management System (ADAMS) Accession No. ML13361A144), as supplemented on March 19, 2014 (see ADAMS Accession No. ML14079A525), May 15, 2014 (see ADAMS Accession No. ML14140A239), and June 13, 2014 (see ADAMS Accession No. ML14170A032), enclosed is Amendment No. 5 to the Certificate of Compliance No. 1031 for the MAGNASTOR® storage system. This amended certificate, issued by the U.S. Nuclear Regulatory Commission constitutes the approval and conditions for use of the MAGNASTOR® storage system for storage of spent nuclear fuel under the general license provisions of 10 CFR Part 72, Subparts K and L. The amendment includes several changes to the MAGNASTOR® certificate, including adding a new damaged fuel assembly, revising the maximum or minimum enrichments for three fuel assembly designs, adding four-zone preferential loading for pressurized-water reactor fuel assemblies and increasing the maximum dose rates in Limiting Condition for Operation 3.3.1, and other changes to Appendices A and B of the Technical Specifications.

As stated in the Federal Register (80 FR 15607, June 25, 2015), the effective date of this certificate is June 29, 2015. The U.S. Nuclear Regulatory Commission's safety evaluation report for this amended certificate (including the Technical Specifications) is enclosed. If you have any questions regarding this amended certificate, please contact Bernard White at (301) 415-6577.

Sincerely,

/RA/ A. H. Hsia for

Mark Lombard, Director
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No.: 72-1031
TAC No. L24874

Enclosures:

1. Certificate of Compliance No. 1031
2. Final Safety Evaluation Report
3. Technical Specifications Appendix A
4. Technical Specifications Appendix B

As stated in the Federal Register (80 FR 15607, June 25, 2015), the effective date of this certificate is June 29, 2015. The U.S. Nuclear Regulatory Commission's safety evaluation report for this amended certificate (including the Technical Specifications) is enclosed. If you have any questions regarding this amended certificate, please contact Bernard White at (301) 415-6577.

Sincerely,

/RA/ A. H. Hsia for

Mark Lombard, Director
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No.: 72-1031
TAC No. L24874

Enclosures:

1. Certificate of Compliance No. 1031
2. Final Safety Evaluation Report
3. Technical Specifications Appendix A
4. Technical Specifications Appendix B

Closes TAC No. L24874

Distribution: DMarcano, NMSS MFerdas, RI SWalker, RII ROrlikowski, RIII
RKellar, RIV JChang, NMSS CHrabal, NMSS NJordan, NMSS SEverard, NMSS

ADAMS Package No. ML15180A364 ADAMS Leter No. ML15180A365

CoC: ML15180A368 Encl 2: ML150A374 Encl 3: ML15180A379 SER: ML15180A381

G:\SFST\Bernie White\Casework\MAGNASTOR\Amd 5\Final Letter CoC TS & SER\Transmittal
letter MAGNASTOR Amd 5.doc

OFC	DSFM	DSFM	DSFM	DSFM
NAME	BWhite	WWheatley via email	JVera for MSampson	AHHsia for MLombard
DATE	6/17/15	6/18/15	6/24/15	6/29/15

OFFICIAL RECORD COPY