

April 28, 2011

Mr. Anthony L. Patko  
Director, Licensing  
Engineering  
NAC International  
3930 E. Jones Bridge Rd. Suite 200  
Norcross, Georgia 30092

SUBJECT: APPLICATION FOR MAGNASTOR AMENDMENT 3 – ACCEPTED FOR REVIEW

Dear Mr. Patko:

By letter dated August 26, 2010, as supplemented February 7 and 16, 2011, NAC International (NAC) submitted an application for amendment of Certificate of Compliance (CoC) No. 1031 for the Modular Advanced Generation Nuclear All-purpose Storage (MAGNASTOR<sup>®</sup>) spent fuel dry cask storage system. NAC requests to amend CoC No. 1031 as follows:

- Revise authorized contents to include PWR damaged fuel contained in damaged fuel cans that are placed in a Damaged Fuel (DF) Basket Assembly. This is required to accommodate fuel designated for dry storage at Duke McGuire, Duke Catawba and the Zion Station.
- Revise authorized contents to include PWR fuel assembly average burnup up to 70 GWd/MTU.
- Revise authorized contents to include PWR fuel assemblies with nonfuel hardware per the expanded definition in this application. This is required to accommodate hardware nomenclature for fuel designated for dry storage at the Zion Station.
- Revise authorized contents to include PWR fuel assemblies with up to five activated stainless steel fuel replacement rods at a maximum burnup/exposure of 32.5 GWd/MTU. This is required to accommodate fuel designated for dry storage at the Zion Station.
- Revise Paragraph 4.3.1 (i), Appendix A, Technical Specifications, to clarify that the maximum design basis earthquake accelerations of 0.37g in the horizontal direction (without cask sliding) and 0.25g in the vertical direction at the ISFSI pad top surface do not result in cask tip-over.

Staff performed an acceptance review of the application to determine if the application contains sufficient technical information in scope and depth to allow the staff to complete the detailed technical review.

This letter acknowledges acceptance of your application. The application appears to contain the information needed for our technical review. We have established a schedule for the review. The schedule allows staff to issue a Request for Additional Information (RAI) in June

and the draft Certificate of Compliance/Safety Evaluation Report (CoC/SER) in mid-November, based on NAC responding to RAIs by August 29, 2011. If there are no RAIs issued, Spent Fuel Storage and Transportation (SFST) will submit the draft CoC/SER for direct final rulemaking in July. In general, no additional changes to the application should be submitted except for changes resulting from your response to an RAI.

If you have any questions regarding this matter, please contact me at (301) 492-3562.

Sincerely,

**/RA/**

Pamela Longmire, Ph.D.  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-1031  
TAC No.: L24470

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**ADAMS: ML111190013**

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<b>DATE</b>	4/6/2011		4/14/2011		4/14/2011		4/23/2011		4/22/2011		4/20/2011	
<b>OFC</b>	SFST		SFST		SFST		SFST		SFST		SFST	
<b>NAME</b>	JChang		DTarantino		MRahimi		DPstrak		NGarcia		MWaters	
<b>DATE</b>	4/14/2011		4/21/2011		4/28/2011		4/28/2011		4/27/2011		4/28 /2011	

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