

October 11, 2005

Mr. Anthony L. Patko  
Licensing Director  
NAC International, Inc.  
3930 East Jones Bridge Road  
Norcross, GA 30092

SUBJECT: AMENDMENT NO. 4 TO CERTIFICATE OF COMPLIANCE NO. 1015 FOR THE  
NAC INTERNATIONAL, INC. NAC-UMS UNIVERSAL STORAGE SYSTEM

Dear Mr. Patko:

As requested by your application dated August 10, 2004, enclosed is Amendment No. 4 to Certificate of Compliance (CoC) No. 1015 for the NAC International, Inc. (NAC), NAC-UMS Universal Storage System. This certificate amendment is issued pursuant to 10 CFR Part 72. Changes made to the certificate are indicated by vertical lines in the right margin. As stated in the Federal Register (70 FR 42485), the effective date of this certificate amendment is October 11, 2005. The Nuclear Regulatory Commission's (NRC) Safety Evaluation Report (SER) for this amendment is also enclosed. We request that you update and submit three copies of the final safety analysis report to conform to the certificate, within 90 days.

Amendment No. 4 to CoC No. 1015 constitutes NRC approval of the following changes to the NAC-UMS system:

1. TS A 1.1, "Definitions," was revised by clarifying the definitions of OPERABLE and SITE SPECIFIC FUEL.
2. TS A 3.1.2, "CANISTER Vacuum Drying Pressure," was revised by increasing the vacuum drying pressure limits and decreasing time limits.
3. TS A 3.1.6, "CONCRETE CASK Heat Removal System," was revised by clarifying short-term temperature limits and completion times for the heat removal system.
4. TS A 3.2.2, "CONCRETE CASK Average Surface Dose Rates," was revised by clarifying the surface dose rate surveillance.
5. TS A 3.3.1, "Dissolved Boron Concentration," was revised by adding a dissolved boron concentration option.
6. TS A 5.7, "Control of Boron Concentration in Water in the CANISTER and in the Spent Fuel Pool During Loading or Unloading," was revised by deleting a redundant boron concentration administrative control.
7. TS B 2.1, "Fuel Specifications and Loading Conditions," was revised by replacing the "zircaloy" with "zirconium alloy."

8. TS B 3.4, "Site Specific Parameters and Analyses," was revised by adding an alternate site-specific design basis earthquake (DBE) analysis.
9. Appendices A and B were revised by incorporating editorial changes.

This certificate amendment constitutes the approval and conditions for use of the NAC-UMS for storage of spent nuclear fuel under the general licensing provisions of 10 CFR 72, Subparts K and L. A general license has been granted to all holders of licenses for nuclear power reactors issued under 10 CFR Part 50.

This letter also serves as a reminder for you to notify affected cask users of the effective date for this amendment. If you have any questions regarding this amended certificate, please contact Raynard Wharton at 301-415-8500.

Sincerely,  
/RA/

Robert A. Nelson, Chief  
Licensing Section  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Docket No.: 72-1015

Enclosures: 1. Certificate of Compliance No. 1015,  
Amendment No. 4  
2. Safety Evaluation Report

A. Patko

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1. Certificate of Compliance No. 1015,  
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<b>NAME</b>	RWharton	EZiegler		RNelson		
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