

November 10, 2010

U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2738

Attn: Document Control Desk

Subject: Submittal of Response to RAI to NAC's Request to Amend the U.S. Nuclear Regulatory Commission Certificate of Compliance No. 1031 for the NAC International MAGNASTOR® Cask System

Docket No. 72-1031

- References:
1. U.S. Nuclear Regulatory Commission (NRC) Certificate of Compliance (CoC) No. 1031 for the NAC International MAGNASTOR Cask System, Amendment No. 1, August 30, 2010
 2. MAGNASTOR Cask System Final Safety Analysis Report (FSAR), Revision 0, NAC International, February 2009, as Supplemented
 3. Submittal of a Request to Amend the U.S. Nuclear Regulatory Commission Certificate of Compliance No. 1031 for the NAC International MAGNASTOR Cask System, NAC International, March 22, 2010, and Resubmitted March 30, 2010, and Supplemented on March 31, 2010, June 8, 2010 and July 1, 2010

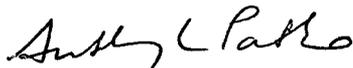
NAC International (NAC) herewith submits its response to the Request for Additional Information communicated to NAC via e-mail on August 26, 2010.

This submittal consists of two copies of the following documents:

1. This transmittal letter
2. The RAI question with the NAC response presented in standard NAC RAI response format

If you have any comments or questions, please contact me on my direct line at 678-328-1274.

Sincerely,



Anthony L. Patko
Director, Licensing
Engineering

Enclosure

NAC INTERNATIONAL
RESPONSE TO THE
UNITED STATES
NUCLEAR REGULATORY COMMISSION
REQUEST FOR ADDITIONAL INFORMATION
AUGUST 26, 2010

**FOR MAGNASTOR[®] CASK SYSTEM AMENDMENT REQUEST
NO. 2 TO ADD VARIOUS ¹⁰B AREAL DENSITIES FOR USE WITH
PWR AND BWR BASKETS; CORRECT CODE REFERENCE IN
TABLE 2.1-1; AND CHANGE THE TSC SURFACE
CONTAMINATION LIMITS FOR LOOSE CONTAMINATION**

(TAC NO. L24432, DOCKET NO. 72-1031)

NOVEMBER 10, 2010

**NAC INTERNATIONAL RESPONSE
TO
REQUEST FOR ADDITIONAL INFORMATION**

MATERIALS ENGINEERING

RAI: Specify a specific qualification test demonstrating that magnetic particle testing is capable of finding the smallest permissible indication under the applicable acceptance standards of the ASME Code when used to examine carbon steels covered with an electroless nickel coating.

As referenced by Article 25 of the Section V of the ASME Code, ASTM E709-01, "Guide for Magnetic Particle Testing," subsection 9.1.2 specifies that conductive coatings (such as electroless nickel coatings) "... can mask discontinuities. As with nonconductive coatings, it must be demonstrated that the unacceptable discontinuities can be detected through the coating."

This information is needed to determine compliance with 10 CFR 72.120(a).

NAC International Response

As previously stated to the NRC Project Manager during a September 13, 2010 teleconference, NAC performs all magnetic particle testing prior to applying the electroless nickel plating to the affected components. No magnetic particle testing is performed on any components after applying the coating.

No FSAR change is required.