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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

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NMSS

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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 ^{10}B 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 magentic 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.