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March 31, 2004

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

Attn: Document Control Desk

Subject: Submittal of Updated NAC-UMS FSAR, Revision 3
 Docket No. 72-1015

- References:
1. Submittal of NAC-UMS[®] FSAR, Amendment 2 (Docket No. 72-1015), NAC International, January 9, 2002
 2. Request for an Amendment of the Certificate of Compliance for the NAC-UMS[®] Universal Storage System to Incorporate Enhanced Design Features, NAC International, January 15, 2002
 3. Submittal of 10 CFR 72.48 Evaluation Summary Report for the NAC-UMS[®] Universal Storage System (Docket No. 72-1015), NAC International, January 9, 2004
 4. Request for Exemption from 10 CFR 72.248, "Safety Analysis Report Updating," NAC-UMS[®] Universal Storage System, NAC International, January 9, 2004
 5. Exemption from 10 CFR 72.248(c)(6) for Updating the Final Safety Analysis Report for the NAC-UMS[®] System, U.S. Nuclear Regulatory Commission, February 25, 2004
 6. Amendment No. 3 to Certificate of Compliance No. 1015 for the NAC International, Inc. Universal Storage System (NAC-UMS), U.S. Nuclear Regulatory Commission, March 22, 2004 (Effective March 31, 2004)

In accordance with the requirements of 10 CFR 72.248(a)(1), NAC International (NAC) herewith provides five copies of the NAC-UMS[®] Universal Storage System Final Safety Analysis Report (FSAR), Revision 3, for the NAC-UMS[®] Storage System as certified by Reference 6. This FSAR revision incorporates the Enhanced Design Features Amendment (Reference 2, E-UMS) to add an alternate neutron absorber material, revise the BWR fuel assembly weight to 702 pounds, revise fuel assembly dimensions, revise the thermal analysis of the fuel transfer operations, revise allowable fuel cladding temperature in accordance with ISG-11, Rev. 2, incorporate criticality analyses considering soluble boron during loading of higher enriched PWR fuels, delete annual effluent reporting requirements, and incorporate editorial and administrative changes. The effective date of the CoC Amendment 3 (Reference 6) is March 31, 2004.

Revision 3 of the NAC-UMS[®] FSAR is based on Reference 1 and incorporates the changes made in support of the E-UMS amendment via the following NAC-UMS[®] Storage System submittals: UMSS-02B, UMSS-02C, UMSS-02D, UMSS-02E, UMSS-02F, UMSS-02G and UMSS-03A. The U.S. Nuclear Regulatory Commission has previously reviewed all of these submittals. The NAC-UMS[®] FSAR, Revision 3, reflects all of the requirements contained in the NAC-UMS[®] CoC, Revision 0, Amendment 1, Amendment 2 and Amendment 3.

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In addition, the enclosed NAC-UMS[®] FSAR, Revision 3, includes changes that have been approved and incorporated by NAC under the 10 CFR 72.48 regulations that took effect April 5, 2001. All except six of the 10 CFR 72.48 changes that have been completed since Revision 2 of the FSAR (Reference 1) was issued are included in this FSAR revision. Those six 10 CFR 72.48 changes – UMSS-02-006, UMSS-02-010, UMSS-02-011, 790-FSAR-2H, 790-FSAR-2Q, and 790-FSAR-2V – are not incorporated in the FSAR Revision 3 because they were superseded by changes in the E-UMS Amendment. The 10 CFR 72.48 Evaluation Summary Report for the NAC-UMS[®] Storage System for the period of December 2001 – December 2003 was submitted to the NRC on January 9, 2004 (Reference 3). The 10 CFR 72.48 Evaluation Summary Report for the NAC-UMS[®] Storage System for the period of January 2004 – March 2004 is provided as Attachment 1. A detailed description of all of the changes that are incorporated in the FSAR, Revision 3, is provided in the List of Changes for NAC-UMS[®] FSAR, Revision 3, as Attachment 2. Note, that the Master Table of Contents has been deleted from the FSAR in accordance with recent NAC administrative practice, since its contents were repeated in each chapter table of contents. Consistent with NAC administrative practice, NAC-UMS[®] FSAR, Revision 3, changed pages are uniquely identified by the revision number located in the header of each page. Revision bars mark the FSAR text changes.

This submittal of the NAC-UMS[®] FSAR, Revision 3, satisfies Condition of Approval 1) of the February 25, 2004, Exemption (Reference 5) Safety Evaluation Report, as it is within 60 days after the effective date of the Final Rule for CoC Amendment 3. In accordance with Condition of Approval 2) of the Exemption, NAC will return to the original 24-month frequency for NAC-UMS[®] FSAR updates and will submit an updated FSAR by November 20, 2004.

If you have any comments or questions, please contact me at my direct number (678) 328-1321.

Sincerely,



Thomas C. Thompson
Director, Licensing
Engineering

Attachment 1: 10 CFR 72.48 Evaluation Summary Report for the NAC-UMS[®] Universal Storage System (Period Covered: January 2004 – March 2004)

Attachment 2: 10 CFR 72.48 List of Changes for the NAC-UMS[®] Universal Storage System FSAR Revision 3

Enclosures: NAC-UMS[®] Universal Storage System Final Safety Analysis Report, Revision 3
(5 copies)

cc: Glenn Michael - APS (w/o encl.)
John Niles - MY (w/o encl.)
Keith Waldrop - Duke (w/o encl.)