

March 22, 2004

Mr. Thomas C. Thompson
Licensing Manager
NAC International, Inc.
3930 East Jones Bridge Road
Norcross, GA 30092

SUBJECT: AMENDMENT NO. 3 TO CERTIFICATE OF COMPLIANCE NO. 1015 FOR THE
NAC INTERNATIONAL, INC. UNIVERSAL STORAGE SYSTEM
(NAC-UMS)

Dear Mr. Thompson:

As requested by your application dated January 15, 2002, enclosed is Amendment No. 3 to Certificate of Compliance (CoC) No. 1015 for the NAC International, Inc. (NAC), Universal Storage System (NAC-UMS) . 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 (69 FR 2528, 01/16/04), the effective date of this certificate amendment is March 31, 2004. The Nuclear Regulatory Commission (NRC's) Safety Evaluation Report for this amendment is also enclosed.

Amendment No. 3 to CoC No. 1015 constitutes NRC approval of the following changes to the NAC-UMS system:

1. Table B2-1, "Fuel Assembly Limits," and TS B3.4, "Site Specific Parameters and Analyses," were revised by incorporating the structural analysis to address an increase in the boiling water reactor (BWR) fuel assembly weight (from 696 pounds to 702 pounds), and an upgrade in the design earthquake levels.
2. Table B2-2, "PWR Fuel Assembly Characteristics," and Table 2-3, "BWR Fuel Assembly Characteristics," were revised by incorporating fuel assembly dimensions (length and width) for more comprehensive coverage (BWR and pressurized water reactor (PWR)).
3. TS A 3.1.1, "CANISTER Maximum Time in Vacuum Drying," TS A 3.1.4, "CANISTER Maximum Time in TRANSFER CASK," and TS A 3.1.5, "CANISTER Helium Leak Rate," were revised by incorporating the thermal analyses to extend operating time limits for vacuum drying, canister in transfer cask, helium backfill, forced air cooling, and in pool cooling.
4. TS A 3.1.1, "CANISTER Maximum Time in Vacuum Drying," was revised to incorporate allowable fuel cladding temperature reflected in "Cladding Considerations for the Transport and Storage of Spent Fuel," Interim Staff Guidance -11, Revision 2 (ISG-11).
5. Table B2-2, "PWR Fuel Assembly Characteristics," and Section B 3.2, "Design Features Important for Criticality Control," were revised to incorporate the criticality analyses for loading 5.0 weight % enriched PWR fuel with a minimum of 1000 ppm soluble boron.

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6. TS A 5.5, "Radioactive Effluent Control Program," was revised to delete annual effluent reporting requirements.
7. The CoC, Appendix A, and Appendix B were revised to incorporate several editorial and administrative changes, including a revision to the CoC format.

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, Subpart K. 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 301-415-1396.

Sincerely,

/RA/
John Monninger, 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. 3
 2. Safety Evaluation Report

- 6. TS A 5.5, "Radioactive Effluent Control Program," was revised to delete annual effluent reporting requirements.
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