

June 23, 2017

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

Attn: Document Control Desk

Subject: Submission of a 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. 6, November 30, 2016
  2. U.S. Nuclear Regulatory Commission (NRC) Certificate of Compliance (CoC) No. 1031 for the NAC International MAGNASTOR Cask System, Amendment No. 7, Federal Register Docket ID NRC-2017-008, June 6, 2017
  3. MAGNASTOR Cask System Final Safety Analysis Report (FSAR), Revision 8, NAC International, January 2017

NAC International (NAC) hereby submits a request to amend Reference 1. The following provides a brief summary of the amendment application:

1. Changes throughout the FSAR adding a new shorter concrete cask (i.e., CC6), a shorter version of the existing PWR damaged fuel basket and transportable storage canister (i.e., PWR DF2), a shorter version of the existing stainless steel transfer cask (i.e., MTC3)
2. The PWR DF2 configuration is specific to CE 14x14 fuel only

The following additional changes are being made for clarification:

3. Table 2.2-1, added Note, "c. Minimum cool time of 2.5 years for WE 14x14 PWR fuel for uniform and four-zone preferential loading." which was approved in CoC Amendment 5 and was inadvertently left out of previous submittals
4. Added Figure 2.2-1, "PWR Fuel Preferential Loading Zones Four Zone", which was approved in CoC Amendment 5 and was inadvertently left out of previous submittals
5. Technical Specification, Appendix B, Figure B2-3, was replaced to show a damaged fuel basket instead of the standard PWR fuel basket

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In addition, there are numerous drawing revisions being submitted with the application. Some of the changes made were done via 10 CFR 72.48 and others are pending NRC regulatory approval, herewith. For convenience, the list of drawing changes delineates those changes made via 10 CFR 72.48 versus those that need NRC approval. Enclosed in this amendment package are the Revision 17A changed pages to Reference 3 that support revising Reference 1. In addition, NAC is providing supporting proprietary calculations for the listed changes. This submittal includes one proprietary and non-proprietary version of this submittal package. Attached to this letter is a signed affidavit requesting all proprietary information be withheld from public disclosure via 10 CFR 2.390.

Consistent with NAC administrative practice, this proposed FSAR revision is numbered to uniquely identify the applicable changed pages. Revision bars mark the FSAR text changes on the Revision 17A pages (Enclosure 5). The included List of Effective Pages (Enclosure 5) identifies the revision level of all pages in the Reference 3 FSAR with Revision 17A incorporated. Enclosure 3 contains the proposed Technical Specification changes for this amendment. Since the Amendment 7 package was posted to the Federal Register on June 6, 2017 (Reference 2), the proposed Technical Specification changes, contained herein, were based off the posted Amendment 7 Technical Specifications. In order to better facilitate the review process, NAC is providing the Revision 17A changed pages with appropriate backing pages. In accordance with NAC's administrative practices, upon final acceptance of this application, the 17A changed pages will be reformatted and incorporated into the next revision of the MAGNASTOR FSAR.

If you have any comments or questions, please contact me on my direct line at 678-328-1236.

Sincerely,



Wren Fowler  
Director, Licensing  
Engineering

Enclosures:

- Enclosure 1 – List of Changes for MAGNASTOR FSAR, Amendment 8
- Enclosure 2 – List of Drawing Changes for MAGNASTOR FSAR, Amendment 8
- Enclosure 3 – Proposed Changes for MAGNASTOR Technical Specifications, Amendment 8
- Enclosure 4 – Supporting Calculations for MAGNASTOR FSAR, Amendment 8
- Enclosure 5 – FSAR Changed Pages and LOEP for MAGNASTOR FSAR, Amendment 8

**NAC INTERNATIONAL**  
**AFFIDAVIT PURSUANT TO 10 CFR 2.390**

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George Carver (Affiant), Vice President, Engineering and Licensing, of NAC International, hereinafter referred to as NAC, at 3930 East Jones Bridge Road, Norcross, Georgia 30092, being duly sworn, deposes and says that:

1. Affiant has reviewed the information described in Item 2 and is personally familiar with the trade secrets and privileged information contained therein, and is authorized to request its withholding.
2. The information to be withheld includes the following NAC Proprietary Information that is being provided to support the technical review of NAC's Request for a Certificate of Compliance (CoC) (No. 1031) for the NAC International MAGNASTOR Cask System.
  - NAC International Proprietary Calculations
    - 71160-3042, Rev. 0 and Data Disk 3 of 3 (shared with 71160-3043)
    - 71160-3043, Rev. 0 and Data Disk 3 of 3 (shared with 71160-3042)
    - 71160-3044, Rev. 0 and Data Disk 1 of 3
    - 71160-5026, Rev. 0 and Data Disk 2 of 3
  - MAGNASTOR FSAR, Revision 17A, – Proprietary Version

NAC is the owner of the information contained in the above documents. Thus, all of the above identified information is considered NAC Proprietary Information.

3. NAC makes this application for withholding of proprietary information based upon the exemption from disclosure set forth in: the Freedom of Information Act ("FOIA"); 5 USC Sec. 552(b)(4) and the Trade Secrets Act; 18 USC Sec. 1905; and NRC Regulations 10 CFR Part 9.17(a)(4), 2.390(a)(4), and 2.390(b)(1) for "trade secrets and commercial financial information obtained from a person, and privileged or confidential" (Exemption 4). The information for which exemption from disclosure is herein sought is all "confidential commercial information," and some portions may also qualify under the narrower definition of "trade secret," within the meanings assigned to those terms for purposes of FOIA Exemption 4.
4. Examples of categories of information that fit into the definition of proprietary information are:
  - a. Information that discloses a process, method, or apparatus, including supporting data and analyses, where prevention of its use by competitors of NAC, without license from NAC, constitutes a competitive economic advantage over other companies.
  - b. Information that, if used by a competitor, would reduce their expenditure of resources or improve their competitive position in the design, manufacture, shipment, installation, assurance of quality or licensing of a similar product.
  - c. Information that reveals cost or price information, production capacities, budget levels or commercial strategies of NAC, its customers, or its suppliers.
  - d. Information that reveals aspects of past, present or future NAC customer-funded development plans and programs of potential commercial value to NAC.
  - e. Information that discloses patentable subject matter for which it may be desirable to obtain patent protection.

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The information that is sought to be withheld is considered to be proprietary for the reasons set forth in Items 4.a, 4.b, and 4.d.

5. The information to be withheld is being transmitted to the NRC in confidence.
6. The information sought to be withheld, including that compiled from many sources, is of a sort customarily held in confidence by NAC, and is, in fact, so held. This information has, to the best of my knowledge and belief, consistently been held in confidence by NAC. No public disclosure has been made, and it is not available in public sources. All disclosures to third parties, including any required transmittals to the NRC, have been made, or must be made, pursuant to regulatory provisions or proprietary agreements, which provide for maintenance of the information in confidence. Its initial designation as proprietary information and the subsequent steps taken to prevent its unauthorized disclosure are as set forth in Items 7 and 8 following.
7. Initial approval of proprietary treatment of a document/information is made by the Vice President, Engineering, the Project Manager, the Licensing Specialist, or the Director, Licensing – the persons most likely to know the value and sensitivity of the information in relation to industry knowledge. Access to proprietary documents within NAC is limited via “controlled distribution” to individuals on a “need to know” basis. The procedure for external release of NAC proprietary documents typically requires the approval of the Project Manager based on a review of the documents for technical content, competitive effect and accuracy of the proprietary designation. Disclosures of proprietary documents outside of NAC are limited to regulatory agencies, customers and potential customers and their agents, suppliers, licensees and contractors with a legitimate need for the information, and then only in accordance with appropriate regulatory provisions or proprietary agreements.
8. NAC has invested a significant amount of time and money in the research, development, engineering and analytical costs to develop the information that is sought to be withheld as proprietary. This information is considered to be proprietary because it contains detailed descriptions of analytical approaches, methodologies, technical data and/or evaluation results not available elsewhere. The precise value of the expertise required to develop the proprietary information is difficult to quantify, but it is clearly substantial.
9. Public disclosure of the information to be withheld is likely to cause substantial harm to the competitive position of NAC, as the owner of the information, and reduce or eliminate the availability of profit-making opportunities. The proprietary information is part of NAC’s comprehensive spent fuel storage and transport technology base, and its commercial value extends beyond the original development cost to include the development of the expertise to determine and apply the appropriate evaluation process. The value of this proprietary information and the competitive advantage that it provides to NAC would be lost if the information were disclosed to the public. Making such information available to other parties, including competitors, without their having to make similar investments of time, labor and money would provide competitors with an unfair advantage and deprive NAC of the opportunity to seek an adequate return on its large investment.

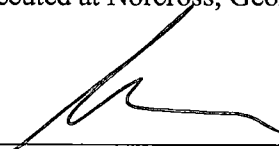
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STATE OF GEORGIA, COUNTY OF GWINNETT

Mr. George Carver, being duly sworn, deposes and says:

That he has read the foregoing affidavit and the matters stated herein are true and correct to the best of his knowledge, information and belief.

Executed at Norcross, Georgia, this 23 day of JUNE, 2017.

  
George Carver  
Vice President, Engineering and Licensing  
NAC International

Subscribed and sworn before me this 23 day of JUNE, 2017.

  
Notary Public

