

January 11, 2017

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

Attn: Document Control Desk

Subject: Submission of NAC Responses to NRC's Fourth Request for Additional Information to NAC's Request for Certificate of Compliance (CoC) No. 9356 for the MAGNATRAN Transportation Package

Docket No. 71-9356

- Reference:**
1. ED20120129, Submission of an Application for the NRC Certificate of Compliance (CoC) for the NAC MAGNATRAN Transport Cask, NAC International, November 26, 2012
 2. Safety Analysis Report for the MAGNATRAN Transport Cask, Revision 12A, NAC International, October 2012
 3. ED20130024, Submission of NAC Proprietary Supporting Information for NAC's Application for a NRC Certificate of Compliance (CoC) for the NAC MAGNATRAN Transport Cask, February 15, 2013
 4. NRC Letter, Application for the Model No. MAGNATRAN Transport Package – Accepted for Review (TAC No. L24701), February 28, 2013
 5. ED20130037, Submission of NAC Responses to NRC's Initial Non-Proprietary Request for Additional Information to NAC's Request for Certificate of Compliance (CoC) No. 9356 for the MAGNATRAN Transportation Package, March 29, 2013
 6. NRC Letter, Application for the Model No. MAGNATRAN Transportation Package – Request for Additional Information, September 10, 2013
 7. ED20140122, Submission of NAC Responses to NRC's Request for Additional Information to NAC's Request for Certificate of Compliance (CoC) No. 9356 for the MAGNATRAN Transportation Package, December 1, 2014

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8. ED20150002, Submission of Supporting Information for NAC's Responses to the NRC's Request for Additional Information to NAC's Request for Certificate of Compliance (CoC) No. 9356 for the MAGNATRAN Transport Package, January 13, 2015
9. ED20150006, Submission of Supporting Information (METAMIC Metal Matrix Composites) for NAC's Responses to the NRC's Request for Additional Information to NAC's Request for Certificate of Compliance (CoC) No. 9356 for the MAGNATRAN Transport Package, January 21, 2015
10. NRC Letter, Application for the Model No. MAGNATRAN Transportation Package – Request for Additional Information, June 2, 2015
11. NRC Letter, Application for the Model No. MAGNATRAN Transportation Package – Staggered Second Request for Additional Information, June 26, 2015
12. ED20150117, Submission of NAC Responses to NRC's Request for Additional Information to NAC's Request for Certificate of Compliance (CoC) No. 9356 for the MAGNATRAN Transportation Package, October 15, 2015
13. NRC Letter, Application for the Model No. MAGNATRAN Transportation Package – Third Request for Additional Information, March 3, 2016
14. ED20160036, Submission of NAC Responses to NRC's Third Request for Additional Information to NAC's Request for Certificate of Compliance (CoC) No. 9356 for the MAGNATRAN Transportation Package, May 9, 2016
15. NRC Letter, Application for the Model No. MAGNATRAN Transportation Package – Fourth Request for Additional Information, September 19, 2016

NAC International (NAC) hereby submits responses to Reference 15. This submittal package includes one proprietary and non-proprietary version, including this transmittal letter, attached affidavit (Attachment 1) and Enclosures 1 thru 5. The proprietary information is labeled "NAC PROPRIETARY INFORMATION." In accordance with 10 CFR 2.390, a proprietary affidavit has been executed.

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Enclosure 1 contains the Requests for Additional Information (RAIs) and NAC's responses. Enclosure 2 contains a list of changes, which are reflected on the SAR Revision 16B changed pages. Enclosure 3 contains a detailed list of drawing changes and their current revision level. Enclosure 4 contains proprietary NAC calculations used to support the RAI responses. Enclosure 5 contains the SAR changed pages, Revision 16B, and an updated List of Effective Pages (LOEP) for the submittal.

Approval of the MAGNATRAN CoC is requested by April 1, 2017 in support of existing MAGNASTOR storage projects at decommissioned facilities. Upon approval, NAC will consolidate the submittals, Revision 12A, 14A, 15A, 16A and 16B pages, into SAR Revision 0. If there are any questions and/or comments regarding the herewith submitted information, please contact me on my direct line at 678-328-1236.

Sincerely,



Wren Fowler
Director, Licensing
Engineering

Attachments:

Attachment 1 – NAC International Affidavit Pursuant to 10 CFR 2.390

Enclosures:

- Enclosure 1 – RAI Responses, No. 71-9356 for the MAGNATRAN Cask, MAGNATRAN SAR, Revision 16B
- Enclosure 2 – List of SAR Changes, No. 71-9356 for the MAGNATRAN Cask, MAGNATRAN SAR, Revision 16B
- Enclosure 3 – List of Drawing Changes, No. 71-9356 for the MAGNATRAN Cask, MAGNATRAN SAR, Revision 16B
- Enclosure 4 – Supporting Calculations, No. 71-9356 for the MAGNATRAN Cask, MAGNATRAN SAR, Revision 16B
- Enclosure 5 – MAGNATRAN SAR, LOEP and SAR Page Changes, No. 71-9356 for the MAGNATRAN Cask, MAGNATRAN SAR, Revision 16B

Attachment 1

NAC International Affidavit Pursuant 10 CFR 2.390

NAC INTERNATIONAL
AFFIDAVIT PURSUANT TO 10 CFR 2.390

George Carver (Affiant), VP Engineering and Licensing, 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. 9356) for the NAC MAGNATRAN Transport Package.
 - a. Enclosure 1, Proprietary Request for Additional Information #4 and responses
 - b. Enclosure 4, NAC Proprietary Calculations
 - 71160-2101, Revision 8
 - 71160-3011, Revision 2
 - 71160-3013, Revision 3
 - 71160-3014, Revision 5
 - 71160-3015, Revision 6
 - c. Enclosure 5, MAGNATRAN SAR, Revision 16B, Proprietary Version

NAC is the owner of the information contained in the above document. 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.

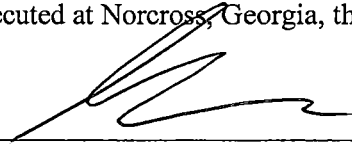
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STATE OF GEORGIA, COUNTY OF GWINNETT

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 11th day of January, 2017.



George Carver
VP Engineering and Licensing
NAC International

Subscribed and sworn before me this 11th day of January, 2017.



Notary Public

