



Atlanta Corporate Headquarters  
3930 East Jones Bridge Road, Suite 200  
Peachtree Corners, GA 30092  
Phone 770.447.1144  
[www.nacintl.com](http://www.nacintl.com)

December 22, 2021

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

Attention: Document Control Desk

Subject: Request for Nuclear Regulatory Commission's (NRC) Approval of the NAC OPTIMUS®-H  
Transportation Package

Docket Number 71-9392

References: 1. OPTIMUS-H Safety Analysis Report (SAR), Revision 21A, December 2021

NAC International Inc. (NAC) hereby requests NRC approval of the NAC OPTIMUS®-H radioactive material transport package (OPTimal Modular Universal Shipping cask for High activity contents). The OPTIMUS®-H package has been designed to meet 10 CFR Part 71 regulations and the International Atomic Energy Agency (IAEA) SSR-6 standards. Included in Reference 1 are procedures for inserting the Cask Containment Vessel (CCV) for the shipment of certain cask contents. NAC is in the process of performing a test program that justifies the inclusion of the inserting process of the CCV and will supplement this submittal in 2022 with those results.

This submittal package contains one electronic copy of the proprietary submittal, which includes the OPTIMUS®-H SAR Revision 21A pages (Enclosure 1). The proprietary version of this submittal is marked as "NAC Proprietary Information." An Affidavit pursuant to 10 CFR 2.390 is provided via Attachment 1 to this letter.

Should there be any questions regarding this request, please contact me via email at [sfowler@nacintl.com](mailto:sfowler@nacintl.com) or via phone at 678-328-1236.

Sincerely,

A handwritten signature in black ink, appearing to read 'Wren Fowler', written over a light blue horizontal line.

Wren Fowler  
Director, Licensing  
Engineering

Attachment  
Attachment 1 – NAC International Affidavit Pursuant 10 CFR 2.390

Enclosures  
Enclosure 1 – OPTIMUS®-H SAR Pages, Rev. 21A

ED20210141



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

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George Carver (Affiant), Vice President, Engineering and Support Services, of NAC International Inc., hereinafter referred to as NAC, at 3930 East Jones Bridge Road, Peachtree Corners, 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 in this submittal.

Enclosure 1 – NAC OPTIMUS®-H SAR Pages, Rev. 21A

NAC is the owner of the information contained in the aforementioned pages/document, so they are 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.

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 Engineer, 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.

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.

**NAC INTERNATIONAL  
AFFIDAVIT PURSUANT TO 10 CFR 2.390 (continued)**

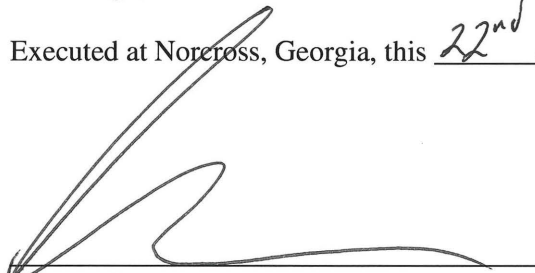
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STATE OF GEORGIA, COUNTY OF GWINNETT

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 22<sup>nd</sup> day of December, 2021.



George Carver  
Vice President, Engineering and Support Services  
NAC International Inc.

Subscribed and sworn before me this 22<sup>nd</sup> day of December, 2021.



Notary Public

