

June 5, 2015

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

Attn: Document Control Desk

Subject: Submission of NAC Responses to NRC's Review of the Certificate of Compliance No. 9225, for the Model No. NAC-LWT Package – Request for Additional Information

Docket No. 71-9225

- Reference:
1. Model No. NAC-LWT Package, U.S. Nuclear Regulatory Commission (NRC) Certificate of Compliance (CoC) No. 9225, Revision 63, May 5, 2015
  2. Safety Analysis Report (SAR) for the NAC Legal Weight Truck Cask, Revision 43, NAC International, January 2015
  3. ED20150029, "Submission of a Request for a Revision to Certificate of Compliance (CoC) No. 9225 for the NAC-LWT Cask to Incorporate a SLOWPOKE Fuel Core as Authorized Content," February 25, 2015
  4. U.S. NRC Letter to NAC – "Review of the Certificate of Compliance No. 9225, for the Model No. NAC-LWT Package – Request for Additional Information," U.S. NRC, May 6, 2015

NAC International (NAC) hereby submits responses to Reference 4. This submittal includes a proprietary and non-proprietary version of this submittal package, including the Revision LWT-15C changed pages to the Reference 2 SAR via Enclosure 4. All proprietary information is requested to be withheld from public disclosure, see Attachment 1 to this letter, via 10 CFR 2.390.

Enclosure 1 contains the Reference 4 RAI questions and respective NAC responses. Enclosure 2 contains a brief summary of the changes to the SAR for the LWT-15C SAR changed pages. Consistent with NAC administrative practice, this proposed SAR revision is numbered to uniquely identify the applicable changed pages. Revision bars mark the SAR text changes on the Revision LWT-15C pages.

In order to better facilitate the review process, NAC is providing the Revision LWT-15C change pages with appropriate backing pages. Consequently, a number of Revision 43

U.S. Nuclear Regulatory Commission

June 5, 2015

Page 2

and LWT-15A changed pages are included. In accordance with NAC's administrative practices, upon final acceptance of this application, the LWT-15A and LWT-15C changed pages will be reformatted and incorporated into the next revision of the NAC-LWT SAR.

As discussed in the responses in Enclosure 1, NAC has made changes to SAR Chapter 1, General Information and SAR Chapter 5, Shielding Evaluation to provide clarity regarding fuel characteristics and analytical input, lead slump assumptions used in the SLOWPOKE core model, and the effects of a potential SLOWPOKE core axial profile. Also provided as part of this submittal is a data disk containing MCNP files requested by the NRC staff.

Enclosures 1 and 4 contain information considered by NAC to be proprietary. In accordance with 10 CFR 2.390, an affidavit (Attachment 1) is executed by Mr. Kent Cole, President and CEO, NAC International. If you have any comments or questions, please contact me on my direct line at 678-328-1236.

Sincerely,



Wren Fowler  
Director, Licensing  
Engineering

Attachment 1 – NAC International Affidavit Pursuant to 10 CFR 2.390

- Enclosure 1 – No. 71-9225 for NAC-LWT Cask RAI Responses and Supporting Documents for NAC-LWT SAR, Revision LWT-15C
- Enclosure 2 – No. 71-9225 for NAC-LWT Cask List of SAR Changes NAC-LWT SAR, Revision LWT-15C SLOWPOKE Fuel Core Amendment RAI Response Package
- Enclosure 3 – No. 71-9225 for NAC-LWT Cask Proposed Changes for Revision 63 of Certificate of Compliance NAC-LWT SAR, Revision LWT-15C SLOWPOKE Fuel Core Amendment RAI Response Package
- Enclosure 4 – No. 71-9225 for NAC-LWT Cask LOEP and SAR Page Changes NAC-LWT SAR, Revision LWT-15C SLOWPOKE Fuel Core Amendment RAI Response Package

**ATTACHMENT 1**

**NAC International Affidavit Pursuant to 10 CFR 2.390**

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

---

Mr. Kent Cole (Affiant), President and CEO, 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. 9225) for the NAC-LWT Package.
  - NAC Proprietary Calculation Data Disks
    - Shielding Calculation Data Input/Output Files, Disk 1 of 1
  - NAC-LWT SAR, Revision 15C, - 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.

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

- 
- 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 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

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

---

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**

---

**STATE OF GEORGIA, COUNTY OF GWINNETT**

Mr. Kent Cole, 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 5<sup>th</sup> day of June, 2015.



Kent Cole  
President and CEO  
NAC International

Subscribed and sworn before me this 5<sup>th</sup> day of June, 2015.

  
Notary Public

