

December 31, 2013

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

Attn: Document Control Desk

Subject: Submission of NAC Amendment Request for Certificate of Compliance (CoC) No. 9225 for the NAC-LWT Cask to Incorporate New MTR Fuel Parameters as Authorized Content

Docket No. 71-9225

Reference: 1. Model No. NAC-LWT Package, U.S. Nuclear Regulatory Commission (NRC) Certificate of Compliance (CoC) No. 9225, Revision 59, November 5, 2013
2. Safety Analysis Report (SAR) for the NAC Legal Weight Truck Cask, Revision 41, NAC International, April 2010

NAC International (NAC) hereby submits a request to amend Reference 1 to incorporate new MTR fuel parameters. The major changes for the MTR payload are the following:

1. Allow ≤ 23.5 g ^{235}U content per plate for an active fuel width of ≤ 7.0 cm provided the plate thickness is ≥ 0.130 cm, the active fuel width is ≤ 7.0 cm, the active fuel height is ≥ 56 cm and the ^{235}U content per element is ≤ 490 g
2. The maximum decay heat limit is raised from 30 watts per element to 40 watts per element but remains limited by the current package heat load limit of 1.26 kilowatts and 210 watts per MTR basket module
3. The maximum ^{235}U content per element for all MTR fuels listed in the expanded LEU MTR fuel content description table (Table 5.(b)(1)(iv)) in the CoC is revised to reflect the bounding case of 490 g
4. CoC Section 5.(b)(2)(iv)(f) is revised to reflect the maximum ^{235}U per plate limit of 23.5 g and the sentence structure is revised to clarify the limiting condition

NAC is providing proprietary calculations and data input files via CD media to support the NRC's technical review. This information is to be withheld from public disclosure via 10 CFR 2.390. An affidavit, executed by Mr. George Carver, is attached with this letter.

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This submittal package includes one hard copy of each version, (proprietary and non-proprietary) which includes this transmittal letter and Revision LWT-14A changed pages (Enclosure 4) to the Reference 2 SAR. Enclosure 1 contains a brief summary of the changes to the SAR for Revision LWT-14A. The included List of Effective Pages identifies the current revision level of all pages in the Reference 2 SAR. 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-14A pages. Enclosure 2 to this letter contains proprietary calculations supporting this amendment request. Enclosure 3 lists the proposed CoC changes to Reference 1.

In order to better facilitate the review process, NAC is providing the Revision LWT-14A changed pages with appropriate backing pages. Consequently, a number of Revision 41 pages are included. In accordance with NAC's administrative practices, upon final acceptance of this application, the LWT-14A changed pages will be reformatted and incorporated into the next revision of the NAC-LWT SAR.

Approval of the amendment to Reference 1 is requested by April 1, 2014, to support obtaining an updated US DOT Competent Authority Certificate and foreign validation.

If you have any comments or questions, please contact me on my direct line at 678-328-1274.

Sincerely,

 For T. Patko

Anthony L. Patko
Director, Licensing
Engineering

Enclosures:

- Enclosure 1 – List of Changes, NAC-LWT SAR, Revision LWT-14A, OPAL Amendment
- Enclosure 2 – Supporting Calculations, NAC-LWT SAR, Revision LWT-14A, OPAL Amendment
- Enclosure 3 – Proposed Changes for Revision 59 of Certificate of Compliance No. 9225 for the NAC-LWT Cask, NAC-LWT SAR, Revision LWT-14A, OPAL Amendment
- Enclosure 4 – Change Pages for Revision 41 of Safety Analysis Report (SAR) for the NAC Legal Weight Truck Cask OPAL Amendment

George Carver (Affiant), Vice President, Engineering, 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. 9225) for the NAC International Legal Weight Truck (LWT) Transport Cask.

- NAC International Proprietary Calculations
 - NAC Calculation 14100.005.4.1.2.2, Rev. 6, Appendix H and Data Disk 1 of 1
 - NAC Calculation 14100.005.4.1.3.2, Rev. 7, Appendix H and Data Disk 1 of 1

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.

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.

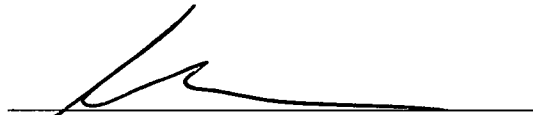
6. The information sought to be withheld, including that compiled from many sources, is of a sort customarily held in confidence by NAC, and is, in fact, so held. This information has, to the best of my knowledge and belief, consistently been held in confidence by NAC. No public disclosure has been made, 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.

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 31st day of December, 2013.



George Carver
Vice President, Engineering
NAC International

Subscribed and sworn before me this 31st day of December, 2013.


Notary Public