

February 28, 2001

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

Attn: Document Control Desk

Subject: Docket No. 71-9270 (TAC No. L22452)

Submittal of Design Calculations for the NAC-UMS® Universal Transport System in Support of the NAC Responses to the NRC Request for Additional Information

- References:
1. Request for Additional Information (RAI) for the UMS® Universal Transport System, USNRC, August 30, 1999
 2. Submittal of NAC-UMS® Universal Transport System Safety Analysis Report, Revision UMST-00A, NAC International, June 29, 2000
 3. Submittal of Supplemental Information for the NAC-UMS® Universal Transport System Safety Analysis Report, NAC International, August 8, 2000
 4. NAC International Response on Regulatory Review Issues, NAC International, October 26, 2000
 5. NRC/NAC Meeting Regarding the NAC-UMS® Transport Cask Application, January 12, 2001

In accordance with References 4 and 5, NAC International (NAC) herewith submits two design calculation packages as supplemental information in support of the NAC responses to the Reference 1 RAI. These calculation packages provide: (1) the predicted accelerations and accelerometer traces for the upcoming side drop test of a quarter-scale model of the NAC-UMS® transport cask; and (2) the benchmarking of the impact limiter analysis program.

The design calculation packages provided in this submittal are NAC Proprietary Information. Three copies of each of the calculation packages are provided in appropriately marked separate packaging. The executed Proprietary Information Affidavit is attached. The NAC Proprietary Information included in this submittal is: NAC Calculation Packages No. EA790-2234, Revision 1, and EA790-2235, Revision 1. These calculation packages are the bases for the impact limiter design and analysis documented in the NAC-UMS® Universal Transport Cask Safety Analysis Report.

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If you have any comments or questions, please contact me at 678-328-1321.

Sincerely,



Thomas C. Thompson
Director, Licensing
Engineering & Design Services

Attachment: Proprietary Information Affidavit

Enclosures: NAC Proprietary Information Calculation Packages:
EA790-2234, Revision 1
EA790-2235, Revision 1

cc: G. Zinke (MY)
P. Plante (MY)

AFFIDAVIT

IN SUPPORT OF PROPRIETARY INFORMATION CONTAINED IN TWO DESIGN CALCULATION PACKAGES SUBMITTED IN SUPPORT OF THE NAC INTERNATIONAL RESPONSES TO AN NRC REQUEST FOR ADDITIONAL INFORMATION ON THE NAC-UMS® UNIVERSAL TRANSPORT CASK APPLICATION

State of Georgia, County of Gwinnett

James M. Viebrock (Affiant), Group Senior Vice President, Manufacturing & Projects, of NAC International, hereinafter referred to as NAC, at 655 Engineering Drive, Norcross, Georgia 30092, being duly sworn, deposes and says that:

1. Affiant is personally familiar with the trade secrets and privileged information contained in the two design calculation packages being submitted in support of the NAC responses to a Nuclear Regulatory Commission Request for Additional Information on the NAC-UMS® Universal Transport Cask application. Affiant requests that the Nuclear Regulatory Commission, pursuant to Chapter 10 of the Code of Federal Regulations, Part 2.790 (10 CFR 2.790) "Public Inspections, Exemptions, Request for Withholding," withhold the information contained within the calculations being submitted as part of the subject application, hereafter referred to as the Proprietary Material, from public disclosure.
2. This information has been and is held in confidence by NAC.
3. The information contained within the proprietary material is the result of design calculations including component design details and critical dimensions that were developed by NAC. This type of information is held in confidence based on the significant commercial investment of time and money expended in its development.
4. The Proprietary material being transmitted to the Nuclear Regulatory Commission in confidence includes NAC Calculations No. EA790-2234, Revision 1, and EA790-2235, Revision 1.
5. The information that is being claimed as trade secret and privileged information has not been and is not available in public sources.

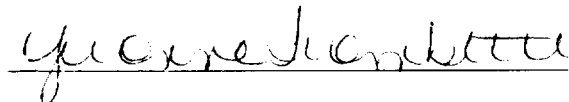
AFFIDAVIT
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6. NAC has invested a considerable amount of time, engineering labor, and money in the development of these calculations. Public disclosure of this information would cause substantial harm to the competitive position of NAC. Others seeking to develop similar analysis would have to make similar investments to develop the information on their own as long as the information is not disclosed to the public.



James M. Viebrock
Group Senior Vice President
Manufacturing & Projects
NAC International

Subscribed and sworn to before me this 28th day of February 2001.



Notary Public in and for the
County of Cobb
State of Georgia

My commission expires the _____ day of _____

Notary Public, Cobb County, Georgia
My Commission Expires Nov. 4, 2002