

71-9197
PDR 10C
RETURN TO 396-SS



August 9, 1985

File: 680-2 & WO #IY
Ref: 4399

Mr. Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and Material Safety
U. S. Nuclear Regulatory Commission
7915 Eastern Avenue
Silver Springs, MD 20910

SUBJECT: NuPac 10/140MB Safety Analysis Report submittal

Dear Mr. MacDonald:

Nuclear Packaging, Inc., is pleased to submit a Safety Analysis Report in application for the use of the NuPac 10/140MB cask. This cask reflects a major step forward in the design of general Type B waste casks. Included in this design are several new features that add versatility and greater positive containment to the package. Some of these features such as the EnviroSealstm and the EnviroLockstm are new and unique to the NuPac 10/140MB package. For many of the features of this package Nuclear Packaging is pursuing patent protection.

Enclosed are eight proprietary copies and two non-proprietary copies of the Safety Analysis Report for the NuPac 10/140MB package. If additional copies are required we will supply them upon request. Also enclosed is our check for \$150.00 for the required application fee.

Much of the information required by the NRC to determine the compliance of the design to applicable regulations require the disclosure of trade secrets and patent information; and therefore, our company's competitive position. Enclosed please find our notarized Affidavit to withhold this proprietary information from public disclosure. We request that the proprietary versions of the report be withheld from the Public Documents Room or any other form of public disclosure per the enclosed affidavit.

Aug 85-1

Applicant
Check No.	12202
Amount/Fee Category	\$150.00
Type of Fee	Application
Date Check Made	8/9/85
Received By	Ja. Chen

FC7C adv. cy 8/8/85
8509300563 850809
PDR ADOCK 071*****
B PDR

DOCKET NO. 71-9197
CONTROL NO. 25625
DATE OF DOC. 08/09/85
DATE RCVD. 08/09/85
FCUF _____ PDR _____
PCAF _____ LPDR _____
WM _____ I&E REF. ☒
WMUR _____ SAFEGUARDS _____
FCTC ☒ OTHER _____

DESCRIPTION:

enclosed is
their safety
analysis report
in application
08/28/85 INITIAL CEC



August 9, 1985

Charles E. MacDonald, Chief
U. S. Nuclear Regulatory Commission

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Both the proprietary and the non-proprietary versions of the SAR are protected under the copyright laws as unpublished material. Photostatic copies of this copyrighted material may be made by NRC review personnel for convenience and for record purposes within the commission files; however, permission to copy the material is expressly denied to persons other than commission personnel for any other reason. Copies of the non-proprietary material may not be released by the commission except to the Public Documents Room.

As this cask was developed as part of a contractual requirement your timely review would be greatly appreciated.

If you have any questions please do not hesitate to contact myself or Stephen Goetsch.

Sincerely,

NUCLEAR PACKAGING, INC.

Charles J. Temus
Technical Director

Enclosures: (8) Proprietary 10/140MB SAR
(2) Non-Proprietary 10/140MB SAR
NuPac Check #
Affidavit

CJT/bjc

AFFIDAVIT

Submitted to Nuclear Regulatory Commission
Concerning confidential information
Contained in NuPac's Safety Analysis Report
for the NuPac 10/140MB Shipping Cask

State of Washington)

) SS:

County of King)

I, Richard T. Haelsig, being first sworn, dispose and say:

1. That I am President and a duly elected officer of Nuclear Packaging, Inc., 1010 South 336th Street, Federal Way, Washington 98003;
2. That I have been specifically delegated the function of reviewing proprietary information sought to be withheld from public disclosure and am authorized on behalf of the company to apply for its withholding;
3. That the information sought to be withheld contains trade secrets or privileged or confidential commercial or financial information, the release of which would cause substantial harm to the competitive position of Nuclear Packaging, Inc.; and
4. That the information sought to be withheld from public disclosure is specifically identified below:

Appendix 1.3.1, Drawings
Figures 2.1.2-1, Foam Stress-Strain Properties
Figures 2.1.2-2, Foam Stress-Strain Properties
used for Analysis
Appendix 2.10.3, Tiedown Lug Loads and Stress
Analysis
Appendix 2.10.4, EnviroLocktm Structural Analysis
Appendix 2.10.6, Cask Wall Buckling Analysis
Appendix 2.10.7, End Drop Lid Analysis
Appendix 2.10.8, Lid Puncture Analysis
Appendix 2.10.9, ANSYS Analysis Output
Appendix 3.6, Thermal Analysis Modelling Notes


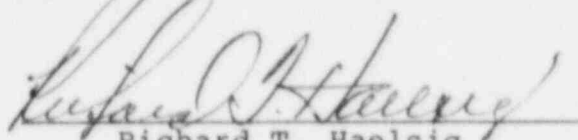


All the information referenced above may be found in "Safety Analysis Report for the NuPac 10/140MB Shipping Cask".

Further, and in response to 10 CFR 2.790 (b)(4):

- (i) The information has heretofore been held in confidence by Nuclear Packaging, Inc.;
- (ii) the information is customarily held in confidence by Nuclear Packaging, Inc. since, to disclose such information would benefit NuPac's competitors in future packaging designs;
- (iii) the information has been transmitted to and, to the best of our knowledge, received by the NRC in confidence;
- (iv) the information is not now, nor is it intended in the future to be, in the public domain; should any of NuPac's competitors obtain said proprietary information, they would benefit commercially and to the detriment of Nuclear Packaging, Inc.
- (v) public disclosure of the information is likely to cause substantial harm to the competitive position of NuPac, particularly in light of the extensive engineering and financed effort which NuPac has put forth, to wit: (1) NuPac has been in the business of designing, licensing and fabricating Type B transportation packages for over 8 years and during this time has developed and refined analytical and design techniques that enable said packages to meet or exceed all applicable federal codes and regulations including 10 CFR 71, (2). NuPac has expended in excess of \$500,000 over the past several years to develop the information sought to be withheld. Public disclosure of said information would put NuPac's competitive position in jeopardy, as it would cause NuPac to lose the design and performance advantages over its competitors which it currently offers to its customers. This would result in substantial loss of sales revenue which, in part, are necessary to

offset the large expenditures which NuPac has invested, or caused to be invested, in the development of transportation packaging designs based on and utilizing this proprietary design.

Richard T. Haelsig
President
Nuclear Packaging, Inc.

Subscribed and sworn to me this 7 day of August, 1985.

Charles R. Tainto, Notary Public in and for the
State of Washington, residing at Federal Way.