



CHEM-NUCLEAR SYSTEMS, LLC

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71-9081
July 28, 1999
579-089-99

Mr. Cass R. Chappell, Section Leader
Cask Certification Section
Storage and Transport Systems Branch
Division of Industrial and Medical Nuclear Safety, NMSS
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Chappell:

SUBJ: SAFETY ANALYSIS REPORT FOR CHEM-NUCLEAR MODEL NO. CNS 1-13C, REV. 2

Chem-Nuclear Systems respectfully submits the enclosed application for the subject revision to the Safety Analysis Report (SAR) for the CNS 1-13C Certificate of Compliance No. 9081. Attachment 1 is a directory of changes to the SAR showing which pages should be removed from Rev. 1 and added to the SAR to incorporate Rev. 2. Attachment 2 contains the revision pages for Rev. 2 to the SAR.

The purpose of this proposed amendment is to reflect the as built configuration of the cask lift lugs. Drawing No. C-110-E-0005 (Sheet 2 of 3) has been revised to more accurately depict the configuration of the two weldments connecting Item 18 to Item 20. Specifically, a note was added to the drawing, to note that the welds are reduced from 3/8" to 1/8" in the vicinity of the lug boltholes to allow sufficient clearance for the bolt heads to seat properly. The bending moment and shear stress safety factors were recalculated and the revised SAR pages reflect the new values. The safety factor values for both bending moment and shear stress are greater than three; therefore meeting the requirements of 10CFR71. Note that these lift lugs are removed from the packaging prior to each shipment as required by the cask Certificate.

In support of this amendment, we have reviewed the sections of the SAR on the operating procedures, acceptance tests, and maintenance programs and determined that no changes are necessary as a result of incorporating this information into the SAR drawings. No change to packaging contents is being requested.

If you or members of your staff have any questions about the application, or wish to arrange a meeting to discuss the changes we have requested, please feel free to contact Shayne Merritt at (803)758-1838.

Sincerely,

Patrick L. Paquin
General Manager

Attachments:

- (1) Directory of Changes for Incorporating Rev. 2 CNS 1-13C Safety Analysis Report
- (2) Rev. 2 Change Pages

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PDR ADOCK 07109081
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Mr. Encl. 4 0
Change IA 1 0
drawings located in Central file bpm

Attachment One

INDEX OF REVISIONS FOR CNSI 1-13C CASK SAFETY ANALYSIS REPORT

REMOVE FROM REVISION 1

COVER PAGE

PAGE 2-13

PAGE 2-14

Drawing # C-110-E-0005 Rev. 5

INSERT REVISION 2 REPLACEMENT

COVER PAGE

PAGE 2-13

PAGE 2-14

Drawing # C-110-E-0005 Rev. 6