71-5805

CHEM-NUCLEAR SYSTEMS, INC.
140 Stoneridge Drive • Columbia, South Carolina 29210

February 25, 1994
611-0107-94

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:

Chem-Nuclear Systems, Inc. (CNSI) respectfully submits our application for the renewal of Certificate of Compliance No. 5805 for the CNS 3-55 packaging.

This application is submitted with a consolidated Safety Analysis Report (SAR), included as an enclosure to this letter. This report consolidates information provided in previous CNSI applications dated April 29, 1982; October 21 and November 16, 1983; June 12, 1984; January 18, 1989; February 27, 1989; March 13, 1989; July 23, 1991; January 28 and February 22, 1994.

CNSI has made several minor changes to the SAR and associated drawings, as noted below, to incorporate changes not significant with respect to the overall safety of the packaging.

- Drawing No. C-111-E-0002, "CNS 3-55 Lid Detail", has been revised to allow equivalent pressure relief valves to be used, as the manufacturer listed on the drawing no longer produces the valve used for the cask.

- Drawing C-110-D-5001, Rev. 1, "Sunshade for 3-55 Transport Cask", replaces Drawing No. 1000-D-0024-0, Rev. -, to reflect the actual sunshade used with the cask. References to the old drawing have been revised in the consolidated SAR.

Additionally, CNSI requests that reference to the sunshade drawing in condition 5(a)(3) of the Certificate be removed, or changed to reflect that use of the sunshade is optional.

Should you or members of your staff have any questions concerning this application, please feel free to contact Mr. Curt Lindner at (803) 758-1845.

Sincerely,

CHEM-NUCLEAR SYSTEMS, INC.

Patrick L. Paquin
Manager of Engineering

Enclosure: Safety Analysis Report for Chem-Nuclear Systems, Inc. Model CNS 3-55 Type B Radwaste Shipping Cask, Revision 0 - February 1994 (6 copies)

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