

STSB:NLO
71-4909

MAY 24 1994

General Electric Company
ATTN: Mr. T. Preston Winslow
PO Box 780
Wilmington, NC 28402

Dear Mr. Winslow:

This refers to your application dated January 26, '94, requesting renewal of Certificate of Compliance No. 4909 for the Model No. GE-21PF-1 package. Since an application was submitted at least 30 days prior to the expiration of the Certificate of Compliance, the Certificate of Compliance will not be deemed to have expired until the application has finally been determined.

In connection with our review, we need the information identified in the enclosure to this letter.

This information should be provided within 60 days from the date of this letter. Additional information requested by this letter should be submitted in the form of revised pages. If you have any questions regarding this matter, we would be pleased to meet with you and your staff. Nancy Osgood is the project manager for our review of your application. Ms. Osgood may be contacted at (301) 415-7879.

Sincerely,
Original Signed by
Cass R. Chappell

Cass R. Chappell, Section Leader
Cask Certification Section
Storage and Transport Systems Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

Enclosure: As stated

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Encl. to ltr. dtd. _____

1. Revise the application to show that the tie-down system meets the requirements of 10 CFR §71.45, i.e., provide an analysis which shows that the tie-down system will not yield under the 10, 5, and 2 g tie-down loads, and that failure of the system under excessive load would not impair the ability of the package to perform its function under accident test conditions. Note that any other structural part of the package which could be used to tie the package down (e.g., lifting shackles) should also be evaluated for the tie-down loads, or must be rendered inoperable for tying the package down.
2. Full scale 30-foot drop tests were recently performed on a package similar to the Model No. GE-21PF-1 (Ref. Docket No. 71-9234, submittal dated January 11, 1993). When the package was drop tested so that impact was at the location of the cylinder valve, the valve protector was reported to have caused the valve to unseat, resulting in an excessive leak rate. When the package was drop tested without the valve protector on the cylinder, valve leakage was within the allowable limit. Describe the applicability of these drop tests to the Model No. GE-21PF-1 package, and justify that the UF₆ cylinders may be shipped with or without the valve protector in the Model No. GE-21PF-1 overpack.

LIST OF USERS FOR CERTIFICATE - 4909
FOR MODEL - GE-21PF-1

DEPARTMENT OF ENERGY
ATTN: MR. MICHAEL E. WANGLER
TRANSPORTATION AND PACKAGING SAFETY DIV., EH-332
WASHINGTON DC 20585

GE NUCLEAR ENERGY
ATTN: MR. T. PRESTON WINSLOW
P. O. BOX 780
WILMINGTON NC 28402

NUCLEAR FUEL SERVICES, INC.
ATTN: MR. ANDREW M. MAXIN
P. O. BOX 337, MS 123
ERWIN TN 37650

UNITED STATES ENRICHMENT CORPORATION
ATTN: MR. J. WILLIAM BENNETT
6903 ROCKLEDGE DRIVE, 2 DEMOCRACY CENTER
BETHESDA MD 20817

WESTINGHOUSE ELECTRIC CORP.
ATTN: MR. A. J. NARDI
P. O. BOX 355
PITTSBURGH PA 15230