GENERAL ELECTRIC

NUCLEAR ENERGY
ENGINEERING
DIVISION

GENERAL ELECTRIC COMPANY, P.O. BOX 460, PLEASANTON, CALIFORNIA 94566

February 21, 1980

Mr. Charles E. MacDonald, Chief
Transportation Branch
Office of Nuclear Material Safety and Safeguards
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Ref: Certificate of Compliance No. 5998

Dear Mr. MacDonald:

General Electric has for several years shipped large quantities of radioactive materials in the G.E. Model 400 shipping container. General Electric hereby requests that Certificate of Compliance No. 5998 for that container be renewed.

In support of this request a consolidated application for certification is enclosed with this letter. Some minor changes, either editorial or reflecting the current cask drawings, have been made and are designated by vertical lines.

In addition, several minor changes have been made in the cask drawing list (these changes are reflected in the consolidated application). A brief description of each change is given below.

I. Drawing No. 106D3980, Rev. 1

Rev. 2: This revision updated the title of the drawing and the generic nameplate was added to the drawing list. The lock wire location was changed from the cask lid bolts to the jacket hold-down bolts.

The two horizontal shear bolt assemblies (Parts 4, 5, and 6) between the jacket and the base were deleted. These shear bolts were changed to vertical attachment bolts as a result of discussion with Commission personnel in 1969 to improve the attachment of the jacket to the base. The drawing revisions eliminating the horizontal bolts were never completed.

II. Drawing No. 856B880, Rev. 6

Rev. 7: The drawing title was updated, and the new generic seal was added to the drawing.

III. Drawing No. 277E411, Rev. 1

Rev. 2: The hexnut and sleeve (Parts 5 and 6) were made optional as they are no longer necessary due to the deletion of the horizontal shear bolts (see 106D3980, Rev. 2).

The rectangular box sections of the jacket were identified for an optional fabrication technique. The change allows the use of either angle sections or fabricated bent plate sections. Painting specifications were removed and referenced to engineering specifications.

The new 1/4-inch hole for the lock wire in a gusset was added. An option was added to delete the notch in Part 30. The notch is no longer necessary without the deleted horizontal shear bolsts.

IV. Drawing No. 106D3983, Rev. 1

Rev. 3:The hole for the deleted horizontal shear bolts was made optional, and the paint specification was referred to the engineering specification.

Options were shown for the four tabs, Part 5, which hold the energy absorption plate, Part 2, to allow the installation by flat head bolts or tack welding and for a rotation of 45°. These tabs are not an active part of energy absorption system and only provide retention of the plate when the cask is removed. Part 5 has been made optional. Optional threaded holes are allowed in Part 2 to provide attachment points for removal of the part for decontamination, inspection, and/or repairs.

V. Drawing No. 178B9960, Rev. 0

This drawing is new and details the new generic cask seal.

VI. Drawing No. 211A7528, Rev. 0

This is a drawing of an obsolete nameplate and should be deleted.

Section 5(b)(1) of Certificate 5998 should be revised to read:

"....or in solid oxide form (not in the form of loose powder); or other non-decomposable (at 650°F) solid materials".

Section 6 should also be revised to read:

"....in the General Electric Company's submittal dated February 12, 1969, or in special form (10CFR71.4(o))."

These changes are consistent with our previous applications for other containers.

A check for the $150.00 renewal fee is enclosed.

As this application is being submitted at least thirty days prior to the expiration date of the certificate, it is our understanding that the extension provisions of 10CFR2.109 are applicable.

Sincerely,

G. E. Cunningham
Sr. Licensing Engineer

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enclosure