

July 29, 2005

Mr. David W. Turner
GE Nuclear Energy
Vallecitos Nuclear Center
6705 Vallecitos Road
Sunol, CA 94586

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 9228 FOR THE MODEL NO. 2000
PACKAGE

Dear Mr. Turner:

As requested by your application dated July 28, 2005, enclosed is Certificate of Compliance No. 9228, Revision No. 22, for the Model No. 2000 package. This certificate supersedes, in its entirety, Certificate of Compliance No. 9228, Revision No. 21, dated May 26, 2005. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's Safety Evaluation Report is also enclosed.

Those on the attached list have been registered as users of the package under the general license provisions of 10 CFR 71.17 or 49 CFR 173.471. The approval constitutes authority to use the package for shipment of radioactive material and for the package to be shipped in accordance with the provisions of 49 CFR 173.471. Registered Users may request by letter to remove their names from the Registered Users List.

If you have any questions regarding this certificate, please contact me or Mr. Meraj Rahimi of my staff at (301) 415-8500.

Sincerely,

/RA/ Stewart Brown, For

Michael T. Markley, Acting Chief
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

Docket No.: 71-9228
TAC No.: L23880

Enclosures: 1. Certificate of Compliance
No. 9228, Rev. No. 22
2. Safety Evaluation Report
3. Registered Users

cc w/encl 1 & 2: R. Boyle, Department of Transportation
J. Shuler, Department of Energy
RAMCERTS

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DATE	07/29/05	07/29/05	07/29/05	

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SAFETY EVALUATION REPORT
Model No. 2000 Package
Certificate of Compliance No. 9228
Revision No. 22

SUMMARY

By application dated July 28, 2005, GE Nuclear Energy requested an amendment to Certificate of Compliance No. 9228 for the Model No. 2000 package. GE requested that the Criticality Safety Index (CSI) of 0.0 be assigned to the package when loaded with non-fissile byproduct material in solid form.

Based on the statements and representations in the application and for the reasons stated in this Safety Evaluation Report, we agree that this change does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

CRITICALITY SAFETY INDEX

The applicant requested that the CSI assigned to the byproduct material packages in the Certificate of Compliance to be changed from 100 to 0.0.

The staff agrees with the applicant that there are no considerable quantities of fissile isotopes in byproduct materials. Therefore, there is no reason for assigning a CSI higher than 0.0 to the GE 2000 packages transporting only byproduct materials. Condition 5(c) of the Certificate of Compliance was changed to assign a CSI of 0.0 to the byproduct material described in Condition No. 5(b)(1)(ii) which is limited to the quantity described in Condition No. 5(b)(2)(ii).

CONCLUSION

Based on the statements and representations in the application, the staff agrees that the change does not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 9228,
Revision No. 22, on July 29, 2005.