

December 21, 2005

Mr. Steven A. Toelle
Director, Nuclear Regulatory Affairs
USEC, Inc.
6903 Rockledge Drive
Bethesda, MD 20817-1818

SUBJECT: CERTIFICATE OF COMPLIANCE NO. 6553 FOR THE MODEL NO. PADUCAH
TIGER PACKAGE

Dear Mr. Toelle:

As requested by your application dated September 6, 2005, enclosed is Certificate of Compliance (CoC) No. 6553, Revision No. 21, for the Model No. Paducah Tiger package. 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. José R. Cuadrado of my staff at (301) 415-8500.

Sincerely,

/RA/

Robert A. Nelson, Chief
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-6553
TAC No. L23899

Enclosures: 1. Certificate of Compliance No. 6553, Rev. No. 21
2. Safety Evaluation Report
3. Registered Users List

cc w/encl: R. Boyle, Department of Transportation
J. Shuler, Department of Energy
RAMCERTS
Registered Users

Mr. Steven A. Toelle
 Director, Nuclear Regulatory Affairs
 USEC, Inc.
 6903 Rockledge Drive
 Bethesda, MD 20817-1818

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DATE	12/19/05		12/19/05		12/21/05					

C = COVER

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SAFETY EVALUATION REPORT

Docket No. 71-6553
Model No. Paducah Tiger Package
Certificate of Compliance No. 6553
Revision No. 21

SUMMARY

By application dated September 6, 2005, United States Enrichment Corporation (USEC) requested an amendment to Certificate of Compliance (CoC) No. 6553, for the Model No. Paducah Tiger package. USEC requested to incorporate administrative changes in the Safety Analysis Report (SAR) for the Paducah Tiger package. Specifically, the applicant requested to revise the SAR to update references to sections of 10 CFR Part 71 that were renumbered in the latest revision of the regulations. No change to the packaging contents was requested. Based on the statements and representations in the application, the staff agrees that the changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

EVALUATION

The applicant requested changes to document KY-665, "Safety Analysis Report on the 'Paducah Tiger' Protective Overpack for 10-Ton Cylinders of Uranium Hexafluoride," Revision 1, to revise references to sections of 10 CFR Part 71 that were renumbered in the latest revision of the regulations, and to correct a typographical error. These changes are discussed below:

- Section 2.0, "Structural Evaluation," second paragraph, is revised to reference 10 CFR 71.19 instead of 10 CFR 71.13.
- Section 4.2.1, "Containment of Radioactive Material," first paragraph, is revised to reference 10 CFR Part 71, Appendix A, Section IV(b), instead of Section IV(a).
- Section 6.1, "Discussion of Results," second paragraph, reference to 49 CFR 173.417, Table 6, will be removed from the SAR, since the source is not relevant to the analysis.

In addition to these changes, the staff has revised the following condition of the certificate:

- Previous Condition No. 13 was renumbered as Condition No. 14. A new Condition No. 13 was added to authorize the use of the previous revision of the certificate for a period of approximately one year.

The staff agrees that these changes are administrative in nature, and do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

CONCLUSION

Certificate of Compliance No. 6553 for the Model No. Paducah Tiger package has been revised to incorporate administrative changes to the Safety Analysis Report.

Based on the statements and representations in the application, the staff has concluded that the changes do not affect the ability of the package to meet the requirements of 10 CFR Part 71.

Issued with Certificate of Compliance No. 6553, Revision No. 21,
on December 21, 2005.