

September 2, 2005

Mr. Steven A. Toelle  
United States Enrichment Corp.  
6903 Rockledge Drive  
Bethesda, MD 20817

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

Dear Mr. Toelle:

Enclosed is Certificate of Compliance No. 6553, Revision No. 20, for the Model No. Paducah Tiger. This certificate supersedes, in its entirety, Certificate of Compliance No. 6553, Revision No. 19, dated July 23, 2004.

The certificate was revised to be consistent with the new 10 CFR Part 71 regulations (69 FR 3698) that became effective on October 1, 2004. Changes made to the enclosed certificate are indicated by vertical lines in the margin. The staff's Safety Evaluation Report is also enclosed.

United States Enrichment Corp., is registered as the certificate holder for this package. Those on the attached list have been registered as users of the package under the general license provision of 10 CFR 71.17 or 49 CFR 173.471. This 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 Stacie Sakai of my staff at (301) 415-8500.

Sincerely,

**/RA/**

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

Docket No. 71-6553

Enclosures: 1. Certificate of Compliance  
No. 6553, Rev. No. 20  
2. Safety Evaluation Report  
3. Registered Users List

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

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## SAFETY EVALUATION REPORT

Docket No. 71-6553  
Model No. Paducah Tiger  
Certificate of Compliance No. 6553  
Revision No. 20

### SUMMARY

Certificate of Compliance No. 6553, for the Model No. Paducah Tiger package, has been revised to reflect the new 10 CFR Part 71 regulations (69 FR 3698) that became effective on October 1, 2004. United States Enrichment Corp., did not request any changes to the package design or authorized contents.

### EVALUATION

The following changes have been made to the certificate:

- Condition No. 5(b)(3) of the certificate was revised to replace the wording "Transport Index for Criticality Control" with "Criticality Safety Index" as defined in 10 CFR 71.4.
- Condition No. 12 of the certificate was revised to clarify that the package is approved for use under the general license provisions of 10 CFR 71.17. This change is due to a revision in the numbering of the sections in 10 CFR Part 71, that became effective on October 1, 2004 (69 FR 3698).
- Condition No. 13 was changed to reflect the new expiration date. In accordance with 10 CFR 71.19(a)(3), Type AF packages approved by the U.S. Nuclear Regulatory Commission (NRC) before September 6, 1983, are no longer authorized for use after October 1, 2008. Certificate of Compliance No. 6553, was initially approved by the NRC on March 23, 1978.

### CONCLUSION

These 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. 20  
on September 2, 2005.