U.S. Department
of Transportation

**Research and
Special Programs
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

OCT 2 6 2004

DOT-E 12242
(THIRD REVISION)

EXPIRATION DATE: September 30, 2006

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: United States Enrichment Corporation (USEC)
Paducah, Kentucky

2. PURPOSE AND LIMITATIONS:

a. This exemption authorizes the transportation in commerce of uranium hexafluoride in 48 inch uranium hexafluoride cylinders conforming to the specifications of the American National Standards Institute (ANSI) N14.1, except for removable cylinder valve guards as specified herein. This exemption provides no relief from any Hazardous Materials Regulation other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.420 as it pertains to all cylinders used to transport uranium hexafluoride must be designed, fabricated, and inspected in accordance with the American National Standard N14.1 in effect at the time of manufacture; the marking requirements in §§ 172.203(a) and 172.301(c).

5. BASIS: This exemption is based on the application of USEC dated August 25, 2004, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Material Description	**Hazard Class/ Division**	**Identi-fication Number**	**Packing Group**
Radioactive material, uranium hexafluoride, fissile	7	UN2977	N/A
Radioactive material, uranium hexafluoride, *fissile excepted or non-fissile.*	7	UN2978	N/A

7. SAFETY CONTROL MEASURES: Packaging prescribed is a 48-inch uranium hexafluoride cylinder conforming to the specifications of the American National Standards Institute (ANSI) N14.1. Removable valve guards and set screws used with 49 inch cylinders may be in accordance with the ANSI N14.1 standard in effect at the time of manufacture or in accordance with the provisions of the USEC application on file with the Office of Hazardous Materials Exemptions and Approvals.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. The marking requirements of §§ 172.203(a) and 172.301(c) are waived.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and rail freight.

10. MODAL REQUIREMENTS: None as a requirement of this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

- Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.

- Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued at Washington, D.C.:

Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

OCT 2 6 2004
(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590. Attention: DHM-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials safety Homepage at http://hazmat.dot.gov/exemptions Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: RB:sln