



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**COMPETENT AUTHORITY CERTIFICATION
FOR A NON-FISSILE OR FISSILE EXCEPTED
URANIUM HEXAFLUORIDE PACKAGE DESIGN
CERTIFICATE USA/0575/H(U)-96, REVISION 3**

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

This certifies that the radioactive material package design described has been certified by the Competent Authority of the United States as meeting the regulatory requirements for a packaging for non-fissile or fissile excepted uranium hexafluoride as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America².

1. Package Identification - 2000 MED package.
2. Package Description - in accordance with drawing no. 2000 MED SAR, Figure 1-1 (attached), the 2000 MED functionally consists of two parts: an ANSI N14.1 certified 1S sampling cylinder which provides the containment boundary and an impact absorbing, thermal protecting overpack.

The overpack portion of the package is constructed using a standard 10 gallon, open head, series 300 stainless steel drum whose lid is secured with a standard bolted clamping ring. The clamping ring and bolt may be stainless steel, or plated or painted carbon steel. The inner cavity and interior lid structure are constructed of a combination of stainless steel sheet and light duty pipe. The void space between the inner cavity and the drum is filled with a ceramic fiberboard which provides the required impact and thermal protection.

3. Authorized Contents - the ANSI certified 1S sampling cylinder is authorized to contain up to 450 grams of uranium hexafluoride enriched to a maximum of five weight percent.
4. General Conditions -
 - a. Each user of this certificate must have in his possession a copy of this certificate and all documents necessary to properly prepare the package for transportation. The user shall prepare the package for shipment in accordance with the documentation and applicable regulations.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

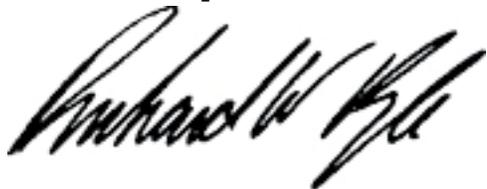
² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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- b. Each user of this certificate, other than the original petitioner, shall register his identity in writing to the Office of Hazardous Materials Technology, (PHH-23), Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, Washington D.C. 20590-0001.
 - c. This certificate does not relieve any consignor or carrier from compliance with any requirement of the Government of any country through or into which the package is to be transported.
 - d. Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Marking and Labeling - The package shall bear the marking USA/0575/H(U)-96 in addition to other required markings and labeling.
6. Expiration Date - This certificate expires on February 02, 2016. On August 01, 2011, this certificate supersedes all previous revisions of USA/0575/H(U)-96.

This certificate is issued in accordance with paragraph 805 of the IAEA Regulations and Section 173.477 of Title 49 of the Code of Federal Regulations, in response to the August 02, 2010 petition by United States Enrichment Corporation, Paducah, KY, and in consideration of other information on file in this Office.

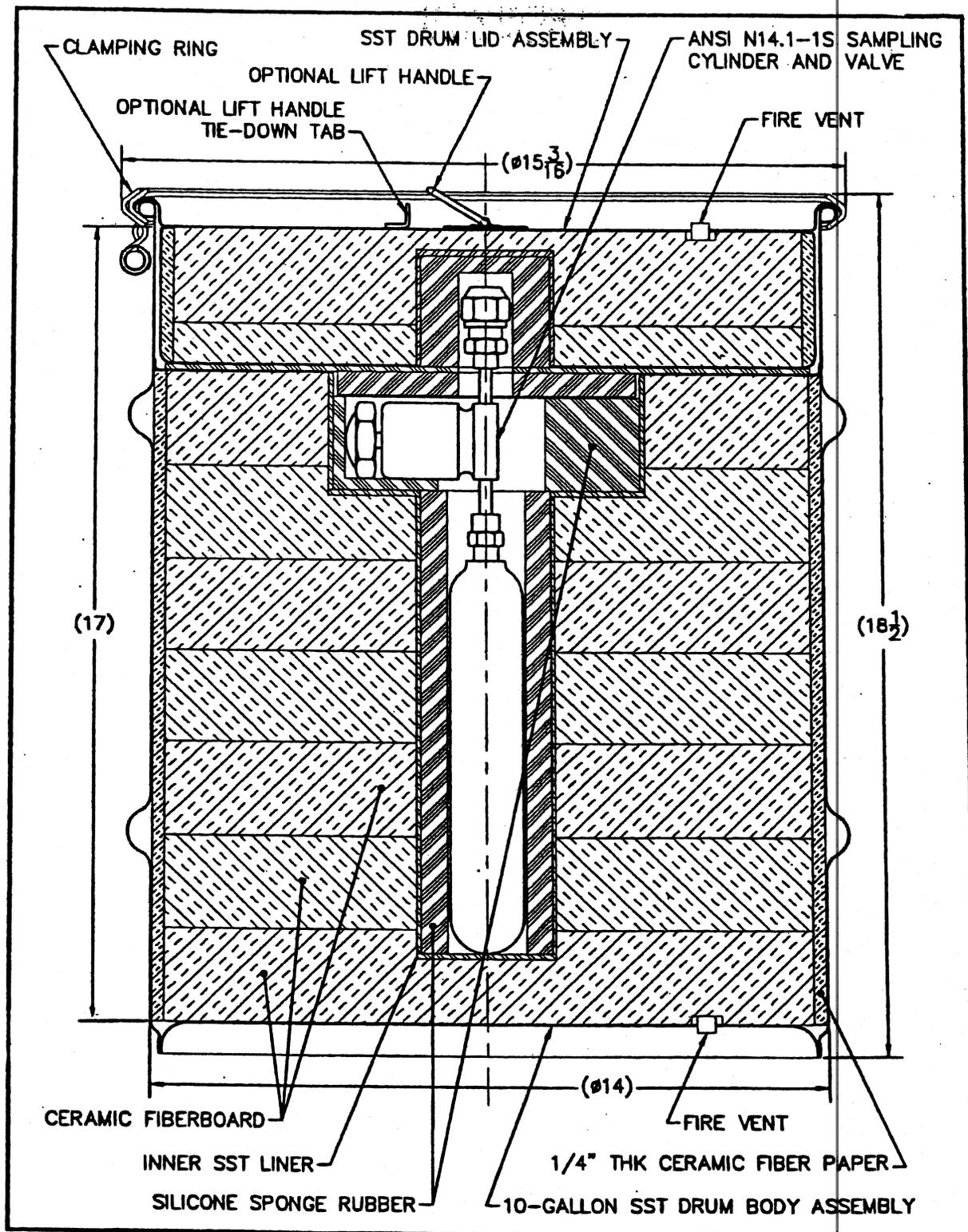
Certified By:



Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Oct 22 2010
(DATE)

Revision 3 - Issued to extend the expiration date.



2000 MED SAR, Figure 1-1



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ORIGINAL REGISTRANT(S):

Mr. Michael Buckner
Customer Service and Product Scheduling
United States Enrichment Corporation
Paducah Gaseous Diffusion plant
P.O. Box 1410
5600 Hobbs Road
Paducah, KY 42002-1410

Mr. Marty Karr
Packaging and Transportation
United States Enrichment Corporation
P.O. Box 628
U.S. Route 23 South
Piketon, OH 45661

REGISTERED USER(S):

Ms. Marilena Conde
Vice President, Marketing and Administration
Edlow International Company
1666 Connecticut Ave, N.W
Suite 201
Washington, 20009
USA

Mr. Mark Campbell
Edlow International Company
3901 Castle Hayne Rd.
M/C K01
Wilmington, 28402
USA

Ms. Franchone Oshinowo
Vice President of Operations
Edlow International Company
1666 Connecticut Ave, N.W.
Suite 201
Washington, 20009
USA

Mr. Blake Williams
Director, Spent Fuel Services
Edlow International Company
460 Silverberry Lane
Sugar Hill, 32518
USA

Gareth Hill
Radioactive Materials Transport Manager
Urenco
Capenhurst
Chester
CH16ER
,
United Kingdom

Mr. Ben Dekker
Urenco
Urenco Nederland B.V.
P.O. Box 158
NL-7600 AG Almelo
,
THE NETHERLANDS

Ms. Betty Miller
Regulatory & Records Management
Nuclear Fuel Services
P.O. Box 337, MS 123
Erwin, TN 37650

Mr. Rik Droke
Licensign and Compliance Director
Nuclear Fuel Services
P.O. Box 337, MS 123
Erwin, TN 37650

B. Marie Moore
Vice President of Safety and Regulatory
Nuclear Fuel Services
P.O. Box 337, MS 123
Erwin, TN 37650

Mr. Stephen Cowne
Director of Quality and Regulatory Affairs
Louisiana Energy Services (LES)
National Enrichment Facility
P.O. Box 1789
Eunice, 88231
USA