



April 9, 2009
GDP 09-1016

Director, Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

**Paducah Gaseous Diffusion Plant (PGDP)
Docket No. 70-7001, Certificate No. GDP-1
10 CFR 71.95 - Type AF Transportation Package Report (USA/9196/AF-96)**

Pursuant to 10 CFR 71.95(a)(3), United States Enrichment Corporation (USEC) hereby submits this report for shipment of Model UX-30 overpacks where a condition of the Certificate of Conformance was not met.

ABSTRACT

USEC's Chemical Operations personnel discovered on March 11, 2009, during pre-shipment preparations of a customer's UF₆ product cylinder an incomplete manufacturer's date on a Model 30B cylinder (National Board Number 203). This cylinder has been previously shipped filled with UF₆ from PGDP in a UX-30 package. The transportation package identification number is USA/9196/AF-96. Condition 6 of Certificate Number 9196 requires in part that a 30B cylinder be fabricated, tested, inspected and maintained in accordance with ANSI N14.1-2001 or an earlier version of ANSI N14.1 in effect at the time of fabrication. Section 6.10.7 of ANSI N14.1-1987, to which this cylinder was manufactured, requires cylinder markings that include the month and year that the cylinder was manufactured. In this instance the nameplate of the cylinder was found to be missing the month of manufacture and missing the third digit of the year manufactured, 19_9 versus 1989.

The required ANSI cylinder inspections are performed according to ANSI N14.1, Section 6.3.1. Verification of all the information on a nameplate that should have been identified at time of manufacture is not a check that currently is performed at USEC for customer cylinders since customer cylinders are required to be ANSI compliant. Upon discovery of the missing information, USEC notified the customer of the deficiencies of their cylinders.

USEC has reviewed the extent of this issue at PGDP and has determined that twenty cylinders from the same owner, and manufactured by the same company, exhibit the same issue of the nameplate's manufacture date missing the month and/or missing digits from the year. USEC has received from the cylinders' owner copies of each Form U-1A, "Manufacturer's Data Report for Pressure Vessels" for the cylinders in question. This report provides sufficient information for USEC to determine the cylinders' manufacture date and to ensure each cylinder conforms to the above ANSI standard requirements addressed.

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DETAILS

Shipping records at PGDP have confirmed the twenty 30B customer cylinders currently in question have been shipped a number of times since September 30, 2004, when the first cylinder of the current twenty now on site was received. USEC will ensure appropriate markings are applied to the twenty 30B cylinders in question prior to their shipment off-site.

The customer has indicated to USEC the cylinders in question are used for shipments between USEC and the customer. The customer has also indicated they will verify the cylinders they have within their possession with these discrepancies will be properly marked before shipping to USEC. The responsibility for verifying the nameplate data rests with the owner of the cylinder.

SAFETY SIGNIFICANCE

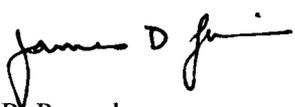
USEC has determined, based on review of the U-1A Forms, this issue is an administrative issue that does not impact the cylinder's safety function of containment of solid UF₆ during transit.

CORRECTIVE ACTIONS

USEC will ensure appropriate markings are applied to the twenty 30B cylinders in question prior to their shipment from PGDP.

Any questions regarding this report should be directed to Vernon J. Shanks, Regulatory Affairs Manager at (270) 441-6039.

Sincerely,

 for SR Penrod

Steven R. Penrod
General Manager
Paducah Gaseous Diffusion Plant

cc: NRC Region II
NRC Resident Inspector - PGDP
NRC Project Manager - PGDP