

# 10 CFR 71.95 REPORT EVALUATION FORM

**Docket No.:** 71-9196  
**Package Model No.:** UX-30  
**Report Submitted By:** Michael A. Buckner, Paducah Gaseous Diffusion Plant  
**Report Date:** December 6, 2013  
**Report ADAMS Accession No.:** ML14016A081

Review the incoming report to determine if additional Commission or staff action is warranted. The review should consider whether the report identifies a generic defect or problem with the package design and the safety significance of the issue. Note that a high safety significance represents a potential for significant radiation exposure, medium safety significance represents a potential for some moderate radiation exposure, and low safety significance represents little or no potential for radiation exposure.

## 1. The report identifies:

- Significant reduction in the effectiveness of a package during use;
- Defect with a safety significance;
- Shipment in which conditions of the approval were not observed.

2. What is the safety significance?       High       Medium       Low

## 3. Summary of the report:

On October 14, 2013, while preparing paperwork for an upcoming UF<sub>6</sub> shipment, United States Enrichment Corporation (USEC) discovered a UX-30 transportation package (overpack) to be used had exceeded its weld inspection frequency due date. Subsequent review determined that one shipment from USEC (on September 17, 2013) occurred outside of the required 12 month cycle for the weld inspection.

USEC performed an extent of condition review and for the past year determined no other customer provided overpack shipped had exceeded its weld inspection expiration date. USEC enters weld inspection data provided by the transportation package owner into the USEC Customer Order Management database known as TRANSPORT. This system provides warning statements for various conditions associated with the transportation packages. USEC believes the root cause was inattention to detail, however, even though a warning is displayed for anomalous equipment conditions, there was no program block provided to prevent saving the record and using the equipment for shipping UF<sub>6</sub>.

## 4. Corrective actions taken by the licensee:

USEC removed the overpack from service and returned the empty overpack to the customer for disposition.

1. USEC notified its customer of the inspection deficiency on October 14, 2013.
2. Customer and Order Management was notified on November 19, 2013, that TRANSPORT was modified to prevent an overpack with an expired weld date from being added to a Shipping Authorization with a loaded cylinder. This warning message can be bypassed only if the cylinder does not contain any nuclear material.

## 5. Staff comments:

The shipment where the certificate of compliance inspection requirements were not one of three also was identified in a report evaluated by NRC staff (ADAMS Accession No.

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ML14035A407). As documented there, subsequent inspection demonstrated that the package was fully functional and that there was no safety reduction during these shipments. As such, this is a low safety significance incident.

**6. Staff conclusion:**

- The report does NOT identify generic design or license/certificate issues that warrant additional Commission or staff action. This report is considered closed.
- There is a need to take additional action. Provide a summary of the bases and recommended actions:

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**ADAMS Accession No.: 15154A879**

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