



March 29, 2006  
AET 06-0045

Mr. Jack R. Strosnider  
Director, Office of Nuclear Material Safety and Safeguards  
Attention: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

**American Centrifuge Plant  
Docket Number 70-7004  
Submittal of Clarifying Information for the American Centrifuge Plant (TAC Nos. L32306,  
L32307, and L32308)**

Dear Mr. Strosnider:

Pursuant to a request from U.S. Nuclear Regulatory Commission staff on March 24, 2006, USEC Inc. hereby submits clarifying information for the American Centrifuge Plant as Enclosure 1 of this letter.

If you have any questions regarding this matter, please contact Peter J. Miner at (301) 564-3470.

Sincerely,

Steven A. Toelle  
Director, Regulatory Affairs

cc: S. Echols, NRC HQ  
Y. Faraz, NRC HQ  
B. Smith, NRC HQ

Enclosure: As Stated

**Enclosure 1 of AET 06-0045**

**Submittal of Clarifying Information for the American Centrifuge Plant**

## Enclosure 1 of AET 06-0045

On March 24, 2006, the U.S. Nuclear Regulatory Commission (NRC) staff provided USEC with the following question:

- 1) In the Environmental Report, USEC Inc. (USEC) indicated that it could use recycled feed if it meets the American Society for Testing and Materials (ASTM) standard. Where would this recycled feed come from if it were used?

### USEC Response

Reactor fuel is reprocessed internationally to recover uranium. It is not inconceivable that over the 30-year life of the American Centrifuge Plant that USEC would enter into a contract to provide uranium enrichment that would include the customer sending USEC recycled/reprocessed feed. Historically, the U.S. Department of Energy (DOE) brokered these types of arrangements when they ran the enrichment complex. Some of the material that DOE obtained may have been turned over to USEC when it was created.

In addition, USEC is currently processing a quantity of feed material for the DOE to remove the technetium from recycle operations. While USEC currently has no plans to utilize this type of material in the American Centrifuge Plant, it is possible that during the life of the plant some of this material could be fed to the plant, if it met the ASTM specification.

**Does not contain  
Export Controlled Information**

**Reviewer: D. Hupp  
Date: March 28, 2006**