



August 22, 2006  
AET 06-0094

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 Lead Cascade Facility**  
**Docket Number 70-7003**  
**Resolution of U.S. Department of Energy Regulatory Oversight Item**

Dear Mr. Strosnider:

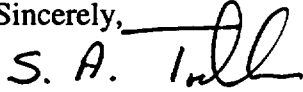
On July 28, 2006, the U.S. Department of Energy (DOE) transmitted a list of items that were open and may possibly be open at the time of USEC Inc. (USEC) Lead Cascade regulatory oversight transition from DOE to the U.S. Nuclear Regulatory Commission (NRC) (Reference). In the referenced letter DOE identified an item concerning internal centrifuge components and associated kinetic energy. DOE stated that confirmation that no unacceptable consequences in the event of a machine failure in DOE regulated areas that surround the Lead Cascade would resolve this item. Accordingly an engineering evaluation has been prepared to address this item. Therefore, the purpose of this letter is to provide the engineering evaluation to resolve this issue. Accordingly, Enclosure 1 provides the engineering evaluation.

The enclosures have been determined, in accordance with the guidance provided by the DOE, to contain Export Controlled Information. This information must be protected from disclosure per the requirements of 10 CFR Part 810.

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

Sincerely,

A handwritten signature in black ink, appearing to read "S. A. Toelle". The signature is written in a cursive style with a horizontal line above the first few letters.

Steven A. Toelle  
Director, Regulatory Affairs

cc: S. Echols, NRC HQ  
B. Smith, NRC HQ  
J. Henson, NRC Region II  
R. DeVault, DOE ORO

Enclosure: As Stated

Reference: DOE letter dated July 28, 2006 from Randall M. DeVault (DOE) to Mr. Brian W. Smith (NRC), USEC Inc. – Centrifuge Lead Cascade – Department of Energy (DOE) Regulatory Oversight Items.

**Enclosure 1 to AET 06-0094**

**Engineering Evaluation**

**The information in this Enclosure contains technical data whose export is restricted by statute. Violations may result in administrative, civil, or criminal penalties. Limit dissemination to U.S. citizens and Contractors. The cognizant program manager must approve other dissemination. This notice shall not be separated from the attached document.**

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Reviewer (Signature) \_\_\_\_\_

Date 8-22-06