



January 16, 2006  
AET 06-0007

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 Additional Information Related to Nuclear Criticality Safety for the American Centrifuge Plant (TAC Nos. L32306, L32307, and L32308) – Export Controlled Information**

**INFORMATION TRANSMITTED HERewith IS PROTECTED FROM  
DISCLOSURE PURSUANT TO 10 CFR PART 810**

Dear Mr. Strosnider:

Pursuant to Reference 1, USEC Inc. hereby submits additional information to the U.S. Nuclear Regulatory Commission (NRC) related to Nuclear Criticality Safety (NCS) for the American Centrifuge Plant.

Enclosure 1 provides additional information related to NCS. Enclosure 2 provides the draft sample set of NCS events for the Integrated Safety Analysis Summary.

Enclosures 1 and 2 have been determined, in accordance with the guidance provided by the U.S. Department of Energy, to contain Export Controlled Information. This information must be protected from disclosure per the requirements of 10 *Code of Federal Regulations* Part 810.

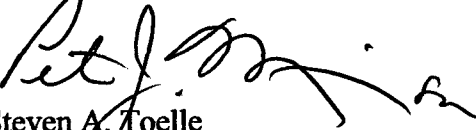
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Nmss01

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

Sincerely,



Steven A. Toelle  
Director, Nuclear Regulatory Affairs

cc: Y. Faraz, NRC HQ  
B. Smith, NRC HQ  
C. Tripp, NRC HQ

Enclosures: As Stated

Reference:

1. NRC Memorandum from Y. Faraz to J.W. Clifford regarding December 13, 2005, December 15, 2005, December 19, 2005, Telephone Summaries: USEC Inc. Nuclear Criticality Safety, dated January 5, 2006.