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April 1, 2005
AET 05-0011

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
Responses to the Classified Request for Additional Information Regarding the License
Application (TAC NOS. L32306, L32307, and L32308)**

Dear Mr. Strosnider:

The purpose of this letter is to submit USEC Inc.'s (USEC) responses to the U. S. Nuclear Regulatory Commission (NRC) Classified Request for Additional Information (RAI) regarding the License Application for the American Centrifuge Plant (Reference 1).

As requested, USEC submits our 30-day response to the RAIs as Enclosure 1 to this letter. Enclosure 2 of this letter provides changed pages for Revision 1 of Appendix A of the Fundamental Nuclear Material Control Plan, NR-3605-0005A entitled Program for Precluding and Detecting Unauthorized Production/Enrichment Activities (U). Changes from Revision 0 submitted to the NRC by Reference 2 are designated with revision bars in the right hand margin.

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

Sincerely,

M. A. Toelle
for

Steven A. Toelle
Director, Nuclear Regulatory Affairs

cc: Y. Faraz, NRC HQ (enclosures)
J. Henson, NRC Region II (w/o enclosures)
B. Smith, NRC HQ (w/o enclosures)

Enclosures: As Stated

References:

1. NRC letter from Yawar Faraz (NRC) to S.A. Toelle (USEC), "Classified Request for Additional Information regarding the Application for the American Centrifuge Plant (TAC NOS. L32306, L32307 and L32308)," dated March 3, 2005.
2. USEC letter (AET 04-0028) from S.A. Toelle (USEC) to Jack Strosnider (NRC), "Submittal of Classified Information for the American Centrifuge Plant (U)," dated August 23, 2004.

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Enclosure 1

**NR-3605-0005A-RAIR, Responses to the Classified Request for Additional Information
Regarding the License Application**

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Enclosure 2

**Changed Pages (Revision 1) of Appendix A of the
Fundamental Nuclear Material Control Plan
NR-3605-0005A, Program for Precluding and Detecting Unauthorized
Production/Enrichment Activities (U)**

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