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December 17, 2004
AET 04-0033

Mr. Jack 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
Analysis of Diversion Potential for the American Centrifuge Commercial Plant (U)

Dear Mr. Strosnider:

Per a request from the U.S. Nuclear Regulatory Commission on December 17, 2004, USEC Inc. submits reference document OAT-3601-0001, entitled *Analysis of Diversion Potential for the American Centrifuge Commercial Plant (U)* used in the development of Appendix A of the Fundamental Nuclear Material Control Plan for the American Centrifuge Plant as Enclosure 1.

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

Enclosures: As Stated

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Enclosure 1 to AET 04-0033

**OAT-3601-0001, Analysis of Diversion Potential for the
American Centrifuge Commercial Plant (U)**

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