USEC
A Global Energy Company

December 2, 2005
AET 05-0096

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 Regarding the Integrated Safety Analysis for the American Centrifuge Plant (TAC Nos. L32306, L32307, and L32308) – Proprietary and Export Controlled Information

INFORMATION TRANSMITTED HEREWITH IS PROTECTED FROM PUBLIC DISCLOSURE AS CONFIDENTIAL COMMERCIAL OR FINANCIAL INFORMATION AND/OR TRADE SECRETS PURSUANT TO 10 CFR 2.390 AND 9.17(a)(4)
and
INFORMATION TRANSMITTED HEREWITH IS PROTECTED FROM DISCLOSURE PURSUANT TO 10 CFR PART 810

Dear Mr. Strosnider:

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

Enclosure 1 provides USEC's responses to additional questions noted during conference calls with the NRC staff. Enclosure 2 provides the associated changed pages for the license application. Enclosure 3 provides the changed pages for the ISA Summary. Enclosure 4 provides the changed pages for Appendix J of the ISA Summary. Enclosure 5 provides the changed pages for Appendix E of the license application and Addendum 1 of the ISA Summary. Enclosure 6 provides the changed pages for Appendix A of the license application. Revision bars in the right hand margin depict changes from the previous version submitted to the NRC. Enclosure 7 provides an Engineering Evaluation and revised Design Analysis Calculation (previously submitted by Reference 2) in support of USEC's response contained in Enclosure 1 of this letter.

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Enclosures 5 and 7 contain Proprietary Information and USEC requests that these enclosures be withheld from public disclosure pursuant to 10 *Code of Federal Regulations* (CFR) 2.390(a)(4). An affidavit required by 10 CFR 2.390(b)(1)(ii) is provided in Enclosure 8. Enclosures 1, 3, 4, 5, and 7 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 CFR Part 810. Enclosure 4 has also been determined by the DOE to contain Official Use Only Information. Enclosure 6 has been determined to contain Unclassified Controlled Nuclear Information. DOE review is required before public release of these enclosures.

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

Sincerely,

S. A. Toelle

Steven A. Toelle
Director, Nuclear Regulatory Affairs

cc: Y. Faraz, NRC HQ
N. Garcia-Santos, NRC HQ
B. Smith, NRC HQ
R. Wescott, NRC HQ

Enclosures: As Stated

Reference:

1. Letter from Yawar Faraz (NRC) to James W. Clifford (NRC) regarding November 17, 2005, Telephone Meeting Summary: USEC Inc. Integrated Safety Analysis, dated November 23, 2005.

2. USEC Letter AET 05-0084 from S.A. Toelle (USEC) to J.R. Strosnider (NRC) regarding Submittal of Additional Information Related to the Integrated Safety Analysis for the American Centrifuge Plant (TAC Nos. L32306, L32307, and L32308) – Proprietary and Export Controlled Information, dated November 3, 2005.