



November 17, 2008
AET 08-0082

Mr. Michael F. Weber
Director, Office of Nuclear Material Safety and Safeguards
Attention: Document Control Desk, Mail Stop TWFN-2F1
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

**American Centrifuge Plant
Docket Number 70-7004; License Number SNM-2011**

**License Amendment Request - Amend Facility License SNM-2011 for Feed and
Withdrawal System Design Changes – Unclassified Controlled Nuclear Information,
Official Use Only, Export Controlled Information, USEC Proprietary Information and
Security-Related Information – Withhold Under 10 CFR 2.390**

~~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
INFORMATION TRANSMITTED HEREWITH IS PROTECTED FROM
DISCLOSURE PURSUANT TO 10 CFR PART 810~~

Dear Mr. Weber:

In accordance with 10 *Code of Federal Regulations* (CFR) 70.34 and 70.65, USEC Inc. (USEC) hereby submits a request for amendment to the Materials License for the American Centrifuge Plant. This License Amendment Request revises the feed and withdrawal system design as discussed with U.S. Nuclear Regulatory Commission (NRC) staff in a closed meeting held on March 26, 2008. Based upon the results of the 10 CFR 70.72 evaluation, these proposed changes have been determined to require prior NRC review and approval.

Enclosure 1 to this letter provides a detailed description, justification for the proposed changes, and USEC's determination that the proposed changes associated with this request are not safety

~~Unclassified Controlled Nuclear Information, Official Use Only, Export Controlled Information,
USEC Proprietary Information and Security-Related Information - Withhold Under 10 CFR 2.390~~
When separated from Enclosures, this cover letter is uncontrolled.

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significant. As indicated within Enclosure 1 of this letter, the remaining enclosures provide the proposed changed pages associated with this License Amendment Request. Enclosure 2 provides the proposed changed pages (redline/strikeout) for the Integrated Safety Analysis (ISA) Summary. Enclosure 3 provides the proposed changed pages (redline/strikeout) for Appendix J of the ISA Summary. Enclosure 4 provides the proposed changed pages (redline/strikeout) for Addendum 1 of the ISA Summary and the Fundamental Nuclear Material Control Plan (FNMCP). Enclosure 5 provides the proposed changed pages (redline/strikeout) for Appendix A of the License Application. Enclosure 6 provides the proposed changed pages (redline/strikeout) for Appendix B of the License Application. Enclosure 7 provides the proposed changed pages for the ISA Summary. Enclosure 8 provides the proposed changed pages for Appendix J of the ISA Summary. Enclosure 9 provides the proposed changed pages for Addendum 1 of the ISA Summary and the FNMCP. Enclosure 10 provides the proposed changed pages for Appendix A of the License Application. Enclosure 11 provides the proposed changed pages for Appendix B of the License Application. Proposed changes within Enclosures 7 through 11 are depicted with a revision bar in the right-hand margin.

USEC letter AET 08-0083 will provide the proprietary proposed changed pages associated with this License Amendment Request for the License Application and Decommissioning Funding Plan. USEC letter AET 08-0084 will provide the non-proprietary proposed changed pages associated with this License Amendment Request for the License Application, Decommissioning Funding Plan, Environmental Report, and Emergency Plan. USEC letter AET 08-0085 will provide the classified proposed changed pages associated with this License Amendment Request for Appendix A of the FNMCP.

Enclosures 1 through 4 and 7 through 9 contain Security-Related Information and Enclosures 4 and 9 contain USEC Proprietary Information; therefore, these should be withheld from public disclosure per 10 CFR 2.390(d)(1). Enclosures 5 and 10 contain Unclassified Controlled Nuclear Information. Enclosures 1 through 11 have been determined, in accordance with the guidance provided by the U.S. Department of Energy (DOE), to contain Export Controlled Information. This information must be protected from disclosure per the requirements of 10 CFR Part 810. Enclosures 3 and 8 have also been determined, in accordance with the guidance provided by DOE, to contain Official Use Only.

USEC is in the process of combining the Lead Cascade Facility and American Centrifuge Plant Security Programs which will require prior NRC approval. The changes to the Security Program will be included in that submittal which is planned for December 2008.

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This License Amendment Request is required to support continued progress on design and construction of the ACP. Therefore, USEC requests NRC review and approval of this License Amendment Request at your earliest convenience. USEC requests that this amendment become effective within 60 days subsequent to NRC approval and issuance of the Safety Evaluation Report.

If you have any questions regarding this matter, please contact me at (301) 564-3470 or Terry Sensus at (740) 897-2412.

Sincerely,



Peter J. Miner
Director, Regulatory and Quality Assurance

cc: J. Downs, NRC HQ
J. Henson, NRC Region II (w/o enclosure)
B. Smith, NRC HQ

Enclosures: As Stated