



April 3, 2009
AET 09-0027

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

**American Centrifuge Plant
Docket Number 70-7004; License Number SNM-2011
Submittal of USEC Inc.'s Response to a Request for Additional Information for the
American Centrifuge Plant License Amendment for Feed and Withdrawal System Design
Changes – USEC Proprietary Information, Export Controlled Information, and Security-
Related Information – Withhold Under 10 CFR 2.390 and 10 CFR Part 810 (TAC L32476)**

~~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. Weber:

Pursuant to Reference 1, USEC Inc. (USEC) hereby submits to the U.S. Nuclear Regulatory Commission (NRC) responses to the requests for additional information (RAI) regarding a License Amendment Request for the American Centrifuge Plant Feed and Withdrawal System Design Changes as Enclosure 1 of this letter.

Enclosure 2 contains the referenced documents discussed in response to RAI NCS-1. Enclosure 3 contains the referenced line diagram discussed in response to RAIs CPS-1, CPS-2, and CPS-8. Enclosure 4 contains the referenced X-3346 building equipment layout and lubrication oil system process discussed in response to RAIs CPS-6 and FS-2. Enclosure 5 contains the hazard analyses discussed in response to RAI FS-1.

~~Export Controlled Information, USEC Proprietary Information and
Security-Related Information - Withhold Under 10 CFR 2.390 and 10 CFR Part 810~~
When separated from Enclosures, this cover letter is uncontrolled.

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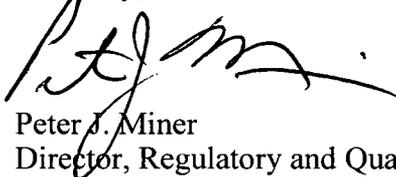
The Material Safety Data Sheet discussed in RAI response FS-2 is being submitted under separate cover (AET 09-0028).

Changes to the License Application and Integrated Safety Analysis Summary documents identified as part of the responses included in Enclosure 1 are actively underway. The changes, as stated in the responses to CPS-4, FS-3, FS-4, FS-5, FNMCP-1, FNMCP-2, and FNMCP-3, will be submitted separately on or before May 18, 2009.

Enclosures 1 through 5 contain USEC Proprietary Information and Enclosures 1, 3, 4, and 5 also contain Security-Related Information; therefore, the enclosure should be withheld from public disclosure per 10 *Code of Federal Regulations* (CFR) 2.390(d)(1). Enclosures 1 through 5 have also 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.

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)
O. Siurano, NRC HQ
B. Smith, NRC HQ

Enclosures: As Stated

Reference:

1. NRC letter to P.J. Miner (USEC) from J.R. Downs (NRC) regarding USEC Inc. American Centrifuge Plant License Amendment for Feed and Withdrawal System Design Changes – Request for Additional Information (TAC L32476), dated March 4, 2009

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manager must approve other dissemination. This notice shall not
be separated from the attached document.
Reviewer PS Gykowski Date 4-3-09