



November 3, 2005
AET 05-0084

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 Related to 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 Requests for Additional Information regarding the Integrated Safety Analysis (ISA) for the American Centrifuge Plant.


Enclosure 1 provides the reference document Design Analysis and Calculation DAC-3601-0013 entitled "Frequency of Fire-Induced UF₆ Cylinder Failures at the American Centrifuge Plant." This enclosure contains USEC Proprietary Information and USEC requests that this enclosure 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 2. Enclosure 1 has 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.

NMSS01
Rec'd 11/23/05
DCB

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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. USEC Letter AET 05-0081 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), dated October 28, 2005.

Enclosure 2 to AET 05-0084

Affidavit

**AFFIDAVIT OF STEVEN A. TOELLE
SUPPORTING APPLICATION TO WITHHOLD FROM
PUBLIC DISCLOSURE CERTAIN INFORMATION CONTAINED IN
ENCLOSURE 1 FOR THE AMERICAN CENTRIFUGE PLANT**

I, Steven A. Toelle, of USEC Inc., having been duly sworn, do hereby affirm and state:

1. I have been authorized by USEC to (a) review the information owned by USEC which is referenced herein relating the Nuclear Regulatory Commission (NRC) Request for Additional Information for the American Centrifuge Plant and which USEC seeks to have withheld from public disclosure pursuant to section 147 of the Atomic Energy Act (AEA), as amended, 42 U.S.C § 2167, and 10 CFR 2.390(a)(3), 2.390(a)(4), 2.390(d)(1) and 9.17(a)(4), and (b) apply for the withholding of such information from public disclosure by the Nuclear Regulatory Commission (NRC) on behalf of USEC.

2. Consistent with the provisions of 10 CFR 2.390(b)(4) of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure should be withheld.
 - i. The information sought to be withheld from public disclosure is owned and has been held in confidence by USEC.
 - ii. The information is of a type customarily held in confidence by USEC and not customarily disclosed to the public. USEC has a rational basis for determining the types of information customarily held in confidence by it and, in that connection, utilizes a system to determine when and whether to hold certain types of information in confidence. The application of that system and the substance of that system constitute USEC policy and provide the rational basis required. Under that system, information is held in confidence if it falls in one or more

of several types, the release of which might result in the loss of an existing or potential competitive advantage, as follows:

- a) The information reveals the distinguishing aspects of a process (or component, structure, tool, method, etc.) where presentation of its use by any of USEC's competitors without license from USEC constitutes a competitive economic advantage over other companies.
 - b) It consists of supporting data, including test data, relative to a process (or component, structure, tool, method, etc.), the application of which data secures a competitive economic advantage (e.g., by optimization or improved marketability).
 - c) Its use by a competitor would reduce their expenditure of resources or improve their competitive position in the design, manufacture, shipment, installation, assurance of quality, or licensing a similar product.
 - d) It reveals cost or price information, production capacities, budget levels, or commercial strategies of USEC, its customers or suppliers.
 - e) It reveals aspects of past, present, or future USEC or customer funded development plans and programs of potential commercial value to USEC.
 - f) It contains patentable ideas, for which patent protection may be desirable.
 - g) It reveals information concerning the terms and conditions, work performed, administration, performance under or extension of contracts with its customers or suppliers.
- iii. There are sound policy reasons behind the USEC system which include the following:
- a) The use of such information by USEC gives USEC a competitive advantage over its competitors. It is, therefore, withheld from disclosure to protect the USEC competitive position.
 - b) It is information, which is marketable in many ways. The extent to which such information

is available to competitors diminishes USEC's ability to sell products and services involving the use of the information.

- c) Use by our competitors would put USEC at a competitive disadvantage by reducing their expenditure of resources at USEC expense.
 - d) Each component of proprietary information pertinent to a particular competitive advantage is potentially as valuable as the total competitive advantage. If competitors acquire components or proprietary information, any one component may be the key to the entire puzzle, thereby depriving USEC of a competitive advantage.
 - e) Unrestricted disclosure would jeopardize the position of prominence of USEC in the world market, and thereby give a market advantage to the competition of those countries.
 - f) The USEC capacity to invest corporate assets in research and development depends upon the success in obtaining and maintaining a competitive advantage.
- iv. The information is being transmitted to the Commission in confidence and, under the provisions of 10 CFR Section 2.390, it is to be received in confidence by the Commission.
- v. The information sought to be protected is not available in public sources or available information has not been previously employed in the same original manner or method to the best of our knowledge and belief.
3. The proprietary information sought to be withheld is contained in Enclosure 1 to USEC letter AET 05-0084. Specifically, the enclosure provides the reference document DAC-3601-0013 entitled "Frequency of Fire-Induced UF₆ Cylinder Failures at the American Centrifuge Plant." The proprietary information submitted by USEC is information committed to be provided to the NRC in the submittal which provided additional information related to the Integrated Safety

Analysis Summary dated October 28, 2005 (AET 05-0081). USEC stated that this reference document would be submitted in a separate submittal to the NRC. Public disclosure of this proprietary information is likely to cause substantial harm to the competitive position of USEC because it may enhance the ability of competitors to position and provide similar products. Moreover, disclosure of the details of the Design Analysis and Calculation may provide insights into the design of USEC's American Centrifuge technology, including structures, systems, and components categorized as Export Controlled Information.

This information is part of that which will enable USEC to:

- Deploy the American Centrifuge Plant; and
- Analyze the hazards associated with cylinder yard and transportation events discussed in the Integrated Safety Analysis Summary; and

Further, this information has substantial commercial value as follows:

- The development of the information described in part is the result of applying many hundreds of person-hours and the expenditure of thousands of dollars on analysis to develop the information that is sought to be withheld; and
- In order for a competitor of USEC to duplicate the information sought to be withheld, a similar process would have to be undertaken and a significant effort and resources would have to be expended.

Further the deponent sayeth not.

Steven A. Toelle, having been duly sworn, hereby confirms that I am the Director, Nuclear Regulatory Affairs of USEC, that I am authorized on behalf of USEC to review the information

attached hereto and to sign and file with the U.S. Nuclear Regulatory Commission this affidavit and the attachments hereto, and that the statements made and matters set forth herein are true and correct to the best of my knowledge, information, and belief.

S. A. Toelle

Steven A. Toelle

On this 3rd day of November 2005, the individual signing above personally appeared before me, is known by me to be the person whose name is subscribed to within the instrument, and acknowledged that he executed the same for the purposes therein contained. In witness hereof I hereunto set my hand and official seal.

Robin D. Johnson

Robin D. Johnson, Notary Public
State of Maryland, Montgomery County
My commission expires June 1, 2006

Enclosure 1 to AET 05-0084

**Submittal of Reference Document DAC-3601-0013
(Proprietary and Export Controlled Information)**

EXPORT CONTROLLED INFORMATION

The information in this Enclosure contains technical data whose export is restricted by statute. Violations may result in administrative, civil, or criminal penalties. Limit dissemination to U.S. citizens and Contractors. The cognizant program manager must approve other dissemination. This notice shall not be separated from the attached document.