



February 1, 2006
AET 06-0018

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 Waste Management for the American
Centrifuge Plant (TAC No. L32308)**

Dear Mr. Strosnider:

Pursuant to a request from the U.S. Nuclear Regulatory Commission staff, USEC Inc. hereby submits additional information related to waste management for the American Centrifuge Plant as Enclosure 1 of this letter.

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

Sincerely,

Steven A. Toelle
Director, Regulatory Affairs

cc: Y. Faraz, NRC HQ
B. Smith, NRC HQ

Enclosure: As Stated

Handwritten: R1MSS01

Enclosure 1 of AET 06-0018

Additional Information Regarding Waste Management for the American Centrifuge Plant

Enclosure 1 AET 06-0018

1. Draft Environmental Impact Statement (DEIS), Section 3.14.3.6, section on Waste Characteristics, Lines 5-8 – Describe what constitutes classified waste.

USEC Response

The classified/sensitive waste is primarily classified machine parts from the American Centrifuge Plant (ACP) process equipment and secondarily documents and electronic or other media containing classified/sensitive information. The machine parts may be radioactively contaminated (i.e., low-level waste), but are not expected to be a hazardous waste. The documents and media are normal office waste except for the classified/sensitive information and will be disposed of as such, following destruction in accordance with the ACP Security Program.

2. DEIS, Section 3.14.3.6, section on Waste Management Facilities and Practices, Line 12 - Characterize the duration that the classified waste will remain on-site.

USEC Response

There is no regulatory time limit associated with accumulation and disposal of classified/sensitive waste. Classified material that is to be shipped off-site to an approved facility for disposal is placed in, and accumulated within, approved secure storage containers or attended until such time that the shipping off-site is deemed necessary (i.e., until an economically practical amount for a shipment to a disposal facility is available). The current generation rate for classified/sensitive waste is very low, so it is anticipated that a single shipment may require an extended period to accumulate. Consequently, the storage time could range from a month to years before USEC Inc. accumulates enough classified waste to fill a single disposal container.

Classified/Hazardous waste will have a 90-day accumulation time limit. Shipments of Low-Level Mixed Waste (LLMW) will occur approximately every 90 days. Any classified/LLMW will remain on-site and managed in accordance with the LLMW rules in Ohio Administrative Code 3745-266 until shipments can be scheduled to an approved Treatment, Storage, Disposal, Recycling Facility.

Information contained within
does not contain
Export Controlled Information

Reviewer: G. Peed

Date: 01/31/06