



January 31, 2005
AET 05-0002

Mr. Jack 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 Lead Cascade Facility
Docket Number 70-7003
Brief Summary of Facility Changes for the American Centrifuge Lead Cascade Facility –
Calendar Year 2004

Dear Mr. Strosnider:

In accordance with 10 *Code of Federal Regulations* (CFR) 70.72(d)(3), USEC Inc. (USEC) hereby notifies the U.S. Nuclear Regulatory Commission (NRC) that no facility changes were made during calendar year 2004 that affected the Integrated Safety Analysis Summary for the American Centrifuge Lead Cascade Facility.

In accordance with 10 CFR 70.72(d)(2), USEC hereby submits a brief summary of the facility changes (made without prior NRC approval in accordance with 10 CFR 70.72) to the records required by 10 CFR 70.62(a)(2) for calendar year 2004.

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

Sincerely,

Steven A. Toelle
Director, Nuclear Regulatory Affairs

cc: Y. Faraz, NRC HQ
J. Henson, NRC Region II
D. Seymour, NRC Region II

Enclosure: As Stated

Enclosure 1 to AET 05-0002

**Brief Summary of Facility Changes for the American Centrifuge Lead Cascade Facility
Calendar Year 2004**

**2004 Brief Summary of Changes
for the American Centrifuge Lead Cascade Facility**

| FCE Number | Description of Change |
|-------------------|---|
| FCE 04-0012 (R0) | Provides clarification that the classification review is the responsibility of, and performed by, the procedure owner/preparer and a checklist was added to assist in quality record(s) determinations. |
| FCE-04-0020 (R0) | Revision to the American Centrifuge Lead Cascade Facility organizational structure. |
| FCE-04-0025 (R0) | Installation of sump pumps and indicator flags in the 345 kV manholes. |
| FCE 04-0026 (R0) | Installation of sump pumps and indicator flags in the GCEP 13.8 kV Manholes. |
| FCE 04-0033 (R0) | Changes to screening process to address the requirements of the Centrifuge Lead Cascade Regulatory Oversight Agreement. |
| FCE 04-0034 (R0) | Refurbishment/preventive maintenance on Lead Cascade underhung cranes, monorail hoist, and jib cranes in the X-7725 and X-7726 facilities. |
| FCE 04-0038 (R0) | Renovation of the twenty-two 13.8kV manholes associated with the X-3001 and X-3002 Process Buildings. |
| FCE 04-0039 (R0) | Changes to address the process of adapting gaseous diffusion plant or other facility procedures for American Centrifuge use. |
| FCE 04-0054 (R0) | Design and installation of a sprinkler system extension in the Service Module Unloading Building. |
| FCE 04-0056 (R0) | Renovation of the 345 kV underground electrical transmission distribution system. |
| FCE 04-0060 (R0) | Renovation of the Machine Cooling Water System. |
| FCE 04-0066 (R0) | Refurbishment of one oil and six water effluent system tanks in the X-2230J Liquid Effluent System. |
| FCE 04-0075 (R0) | Restoration of the X-3001 building process and auxiliary power systems to functioning order. |
| FCE 04-0087 (R0) | Removal of concrete from the centrifuge mounting pits, the associated drain sleeves, and the associated threaded inserts in the X-3001 and X-3002 buildings. |
| FCE 04-0119 (R0) | Restoration of the building process power systems to functioning order and meet the power requirements necessary for the Lead Cascade. |
| FCE 04-0121 (R0) | Restoration of the functionality of the Evacuation Vacuum and Purge Vacuum Systems and the Vent Monitor. |
| FCE 04-0138 (R0) | Inclusion of the "Accountable Classified Removable Electronic Media" handling requirements. |