



January 26, 2006
AET 06-0011

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 2005

Dear Mr. Strosnider:

In accordance with 10 *Code of Federal Regulations* (CFR) 70.72(d)(2), USEC Inc. (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 2005. Enclosure 1 provides the brief summary of changes.

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

Sincerely,

Steven A. Toelle
Director, Regulatory Affairs

Enclosure: As Stated

Enclosure 1 to AET 06-0011

**Brief Summary of Facility Changes for the American Centrifuge Lead Cascade Facility
Calendar Year 2005**

**2005 Brief Summary of Changes
for the American Centrifuge Lead Cascade Facility**

FCE Number	Rev.	Description of Change
FCE 04-0074	0	Changes to the Integrated Safety Analysis to address the presence of the Department of Energy's (DOE) depleted uranium conversion facility to be located north of the Lead Cascade.
FCE 04-0118	0	Changes to revise the American Centrifuge Lead Cascade Facility boundary to encompass the revised sublease agreement between the United States Enrichment Corporation and USEC Inc.
FCE 04-0119	1	Evaluation of power installation for the Lead Cascade.
FCE 05-0009	0	Revision to procedure AC2-MP-001 to clarify membership and add the FSRC Action Record (Form AC-156).
FCE 05-0014	0	Evaluation of upgrades to the Lead Cascade Security Access Control and Alarm System.
FCE 05-0015	0	Revision to Lead Cascade License Application to reflect organizational changes.
FCE 05-0019	0	Evaluation of contractor handling of centrifuge components utilizing battery operated or fossil fuel powered mobile equipment outside or inside the ACP facilities.
FCE 05-0019	1	Evaluation of contractor handling of centrifuge components utilizing battery operated mobile equipment outside or inside the ACP facilities and fossil fuel powered mobile equipment outside the buildings during construction and renovation.
FCE 05-0019	2	Revision to allow for the storage, handling, and assembly preparation of centrifuge components in the X-7725 Recycle/Assembly Building Buffer Storage Area.
FCE 05-0020	0	Refurbishment of the X-6000 overhead airline to the Lead Cascade facilities.
FCE 05-0021	0	Design and installation of Mass Spectrometer Units.
FCE 05-0023	0	Revision to procedure AC3-RG-003 to clarify Regulatory Organization as point of contact for inspection activities.
FCE 05-0024	0	Revision to procedure AC2-SP-024 to clarify Section 4.3.1 and correct section numbering.
FCE 05-0027	0	Revision to procedure AC2-QM-107 to add the requirement to prepare a Material Condition Report for any nonconforming conditions identified.
FCE 05-0031	0	Revision to procedure AC2-TP-001 to add Use References and minor editorial changes.
FCE 05-0044	0	Evaluation of opening portion of site Perimeter Road to public access.
FCE 05-0048	0	Evaluate use of fossil fueled mobile crane for offloading and moving Lead Cascade process substation components.
FCE 05-0049	0	Installation of standby diesel generator and external above-ground storage tank; refurbishment of the fuel oil transfer system and subsequent electrical testing.
FCE 05-0054	0	Revision to procedure AC2-EG-009 to add "Implementation" to Technical/Design Change wording, to add instructions for processing "At-Risk" changes in Attachment E, and reworded "Notice" screening portion of the MCR form.
FCE 05-0056	0	Revision to procedures AC2-QM-101, AC2-QM-103, AC3-QM-107, AC3-QM-110, AC3-QM-112, AC3-QM-113, and AC3-QM-114 to add the requirement to issue a Material Condition Report when nonconforming conditions are identified.
FCE 05-0064	0	Revision to AC2-QM-001 adding the requirements to reference the Condition Notification number in the assessment report if a Condition Notification was issued as a result of the assessment.

FCE Number	Rev.	Description of Change
FCE 05-0065	0	Revision to AC3-QM-001 to change the term "surveillance" to "assessment" to eliminate confusion with Section 11.2 (Management Measures) requirements associated with IROFS surveillances; added requirement to have Condition Notification number referenced in Quality Assurance (QA) audits and assessment reports; and clarified content of sample assessment log.
FCE 05-0089	0	Revision to procedure AC2-RG-004 to remove NRC Event Reporting to align with new procedure on NRC Event Reporting (AC2-RG-044); addition of a step to specify interface between the Lead Cascade and other service groups on the DOE reservation; addition of a note to clarify when qualified independent Root Cause Investigators are required for root cause investigations; clarification of time frame to start/conduct a root cause investigation.
FCE 05-0090	0	Revision to the American Centrifuge Lead Cascade ISA/ISA Summary to address the removal of closure time as an attribute for the machine isolation valve IROFS 7.3.4.6; to accurately describe the machine drive unit, distributed control system, machine isolation package, special machine instrument package, secondary isolation system and their specific operations; and to allow optional use of the area control room or the local control consoles.
FCE 05-0093	0	Revision to procedure AC3-EG-501 for the addition of a step to complete the Engineering Specification Data Sheets Log and to correct the date on Form AC-13.
FCE 05-0096	2	Revision to procedure AC2-TP-002 to provide additional guidance in Section 4.0 regarding training program management and implementation; added "Initial Training" information to Appendix A; developed/added associated forms to implement Section 4.0 changes.
FCE 05-0099	0	Revision to procedure AC2-EG-007 to change terminology to align with procedure AC2-RG-001 and to ensure all administrative ISA changes require the ISA Team Chairman and one ISA team member's signature for approval.
FCE 05-0100	0	Designing and constructing backfill units for the Lead Cascade; correcting text in ISA/ISA Summary Sections 3.1.4 and 3.5.3.2 to read "Backfill Unit" instead of "Backfill Cart"; and correcting an inconsistency between ISA/ISA Summary Section 3.5.3.2.3 and Table C-1, Event CP2-2.
FCE 05-0104	0	Revision to Lead Cascade License Application to add Indianapolis, Indiana as an alternative manufacturing location.
FCE 05-0105	0	Evaluation of establishing an access control point at the North Access Road in place of the West Access Road (which will be closed for renovation of the overpass) whereby either or both access control points may be used.
FCE 05-0106	0	Revision to procedure AC2-SP-024 to incorporate comments received from Procurement.
FCE 05-0119	0	Revision to the Headquarters Organization and clarification of Lead Cascade personnel duties.
FCE 05-0120	0	Revision to procedure AC2-PS-001 to incorporate Quality Assurance assessment findings.
FCE 05-0122	0	Revision to the centrifuge casing design.
FCE 05-0123	0	Changes to address the effects of GCEP cleanup activities on the Lead Cascade.
FCE 05-0124	0	Evaluation of DOE activities occurring near or adjacent to the Lead Cascade operations.
FCE 05-0125	0	Evaluation of Uranium Disposition Services (UDS) construction activities to the Lead Cascade operations.
FCE 05-0129	0	Evaluation of required changes to operate and test the Evacuation Vacuum/Purge Vacuum (EV/PV) replacement/refurbishment, including chemical traps and vent monitoring for exhaust vent system.
FCE 05-0133	0	Revision to procedure AC2-RG-044 to clarify Event Reporting when regulated by DOE, Centrifuge Lead Cascade Regulatory Oversight Agreement (CLCROA).
FCE 05-0135	0	Revision to procedure AC2-PS-002 to incorporate the results of Quality Assurance and Project Support assessments and experience gained in the use of Electronic Document Management System (EDMS) in handling records.

FCE Number	Rev.	Description of Change
FCE 05-0136	0	Revision to procedure AC2-PS-003 to clarify applicability requirements and to remove implied requirements for all forms to have an associated driver procedure.
FCE 05-0142	0	Revision to procedure AC2-RG-001 to include review of the DOE Security Plan to the CLCROA screen and Form AC-176.
FCE 05-0153	0	Revision to procedure AC2-RG-007 to clarify applicability and add the utilization of CATSWeb Lessons Learned Action to distribute Lessons Learned.
FCE 05-0159	0	Evaluation of the design, construction, operation, and testing of the Lead Cascade feed cart.
FCE 05-0161	0	Revision to procedure AC2-EG-003 to clarify guidance on IROFS reviews and to revise the guidance on procurement methods in Attachment C.
FCE 05-0166	0	Revision to procedure AC3-EG-401 to change from an adapted procedure to a format provided in AC2-TP-001.
FCE 05-0167	0	Revision to the Fundamental Nuclear Materials Control Plan (FNMCP) to clarify that Lead Cascade licensed material is not possessed or stored in the X-710 or the XT-847.
FCE 05-0168	0	Evaluation of the storage of casings in the X-7725 C and C 1 areas.
FCE 05-0171	0	Revision to procedure AC2-EG-001 to change from an adapted procedure format to a format provided in AC2-TP-001; added note in Section 4.7 and restriction to Instrumentation Section in Attachment B.
FCE 05-0177	0	Changes to address the Controlled Access Areas boundary impact on the Lead Cascade License.
FCE 05-0177	1	Changes to address the Controlled Access Areas boundary impact on the Lead Cascade License utilizing corrected figures.
FCE 05-0178	0	Evaluation to clarify that stacking and vertical storage of casings in the X-7725 Buffer Storage Area was included in FCE 05-0019 Revision 2.
FCE 05-0185	0	Revision to procedure AC2-PM-001 to specify Engineering individual responsible for developing Preventive Maintenance (PM) basis; to allow equipment owner to establish PM basis for QL-3D and QL-3E items; and modified forms to reflect these changes.
FCE 05-0194	0	Revision to procedure AC3-EG-407 to clarify the definition/requirements for "At-Risk" test plans, clarify the use of test plans and record requirements for QL-3 systems, structures, and components, and clarify changes that require test plan revision; provided additional instructions for Tester and added coordination requirements prior to test initiation.
FCE 05-0195	0	Revision to Table 9.2-7 of the License Application to incorporate corrected values for historical environmental radiation levels.
FCE 05-0196	0	Revision to procedure AC2-RG-044 to update Incidents of Security Concern reporting criteria.
FCE 05-0201	0	Revision to procedure AC2-QM-001 to remove the requirement to maintain the Lead Cascade Coordinated Assessment Schedule as a quality record and add the requirement as a non-quality record.
FCE 05-0203	0	Clarifications to centrifuge transporter descriptions and evaluations of transporters.
FCE 05-0203	1	Editorial corrections to FCE 05-0203 Rev. 0, relating to the centrifuge transporter.
FCE 05-0219	0	Revision to procedure AC2-EG-002 to correct discussion of the Condition Notification process in Part C of Appendix B to be more consistent with the process described in procedure AC2-RG-004, and corrected Source References.
FCE 05-0242	0	Changes to the X-3001 ground relaying.
FCE 05-0251	0	Provides details of the Intrusion Alarm System.

FCE Number	Rev.	Description of Change
FCE 05-0252	0	Revision to procedure AC4-OP-022 to incorporate ANSI inspection criteria for rigging equipment and lift fixtures and to change Form AC-237 to a non-quality record.
FCE 05-0253	0	Provides alternative manufacturing locations for Lead Cascade machine components.
FCE 05-0253	1	Provides alternative manufacturing locations for Lead Cascade machine components and clarification of components.
FCE 05-0254	0	Revision to procedure AC2-RG-059 to clarify the type of slings to be used and add the inspection requirements for each type of sling, lifting fixture, and hook.
FCE 05-0258	0	Changes to the X-3001 service module modification to evaluate individual LC-1 centrifuges.
FCE 05-0260	0	Revision to procedure AC2-RG-004 to clarify Section 4.3 for the requirements for investigations and root cause determination for SCAQ and reportable issues, added Appendix E for acceptable evidence, and added time requirement to screen Condition Notifications.
FCE 05-0262	0	Revision to procedure AC3-QM-001 to delete the requirement for pre- and post-audit conference from the procedure and add "or designee" to perform QA Manager function in his absence.
FCE 05-0266	0	Revision to AC2-RG-001 to include the review of the Auditable Safety Analysis (U) for the American Centrifuge Lead Cascade Facility to the CLCROA Screen (Form AC-176).
FCE 05-0273	0	Revision to USEC Spill Prevention, Control and Countermeasures Plan to comply with revised EPA regulations (40 CFR 112).
FCE 05-0274	0	Revision to procedure AC3-OP-018 adding requirement for the operator of the rigid mast crane to cycle the crane clamps prior to use.
FCE 05-0275	0	Revision to procedure AC2-EG-009 to change Modification Change Record (MCR) to Engineering Change Record (ECR), clarified Notice and At-Risk screening guidance, simplified Quality Level definition, changed distribution requirements, and added guidance for ECRs/MCRs.
FCE 05-0279	0	Revision to CMP-2603-0001 to change MCR to ECR and to clarify QL-3A definition to include hoisting and rigging equipment.