



June 27, 2017
ACO 17-0035

ATTN: Document Control Desk

Mr. James Andersen, Director
Division of Physical and Cyber Security Policy
Office of Nuclear Security and Incident Response
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

**American Centrifuge Lead Cascade Facility
Docket Number 70-7003; License Number SNM-7003**

Notification of Changes for the Fundamental Nuclear Material Control Plan for the American Centrifuge Lead Cascade Facility

Dear Mr. Andersen:

Purpose

In accordance with Section 1.2 of the FNMCP for the American Centrifuge Lead Cascade Facility (LCF), and 10 *Code of Federal Regulations* (CFR) 70.32(c)(2)(ii), American Centrifuge Operating, LLC (ACO) hereby submits to the U.S. Nuclear Regulatory Commission (NRC) a description of change to the FNMCP for the LCF as Enclosure 1 of this letter.

Discussion

The changes noted in Enclosure 1 have been reviewed in accordance with 10 CFR 70.32 and have been determined not to decrease the effectiveness of the FNMCP.

Contact

If you have any questions regarding this matter, please contact me at (740) 897-3859.

Sincerely,

Kelly L. Wiehle
Regulatory Manager

NS1202
NSIR

Mr. James Andersen
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Enclosure: As Stated

cc (without enclosure, unless otherwise noted):

K. Everly, NRC HQ
Y. Faraz, NRC HQ (Enclosure)
K. Kirchbaum, NRC Region II
S. Koenick, NRC HQ
L. Pitts, NRC Region II (Enclosure)
O. Siurano-Perez, NRC HQ
A. Snyder, NRC HQ
M. Sykes, NRC Region II
J. Zimmerman, NRC HQ

Enclosure 1 to ACO 17-0035
Description of Change to the Fundamental Nuclear Material Control Plan
for the American Centrifuge Lead Cascade Facility

**Information Contained Within
Does Not Contain
Export Controlled Information**

Reviewing

Official: _____ #152 _____

Date: _____ 06/27/2017 _____

**Description of Change to the Fundamental Nuclear Material Control Plan
for the American Centrifuge Lead Cascade Facility**

FCE/PCE Numbers	Rev.	Description/Reason for the Change	Approval Date	Change to SSC?	Documents Modified Due to Change	ISA Summary Update Required?
FCE 15-0048 PCE - N/A	1	<p>Title: Classified Radioactive Shipments at the American Centrifuge Lead Cascade Facility</p> <p>Description of Change: To allow transport (shipment and receipt) of radioactive material, low-level and mixed wastes as allowed by exemptions in 10 CFR 71, Subpart B, to and from authorized facilities for decommissioning and disposal. This change does not include the shipment of 12B cylinders containing nuclear material.</p> <p>Reason for the Change: The Lead Cascade Facility is anticipating the need to transport (ship and receive) radioactive material that will meet the exemption requirements contained within 10 CFR Part 71, Subpart B, to and from authorized locations under the American Centrifuge Lead Cascade Facility (Lead Cascade) Materials License.</p>	12/08/16	No	<p>LCF License Application – Table of Contents, Sections 1.0, 1.1.1, 1.1.1.1, 1.1.1.2, 1.1.1.6.1, 1.1.2.6, 1.1.6, 4.7.1, 9.2.2.3, 9.2.2.3.3, 9.2.2.3.4, 11.7.5, and Table 1.2-2;</p> <p>LCF Fundamental Nuclear Material Control Plan – Acronyms and Sections 1.0, 2.0, 3.2.2, 4.1.1.1, 6.1, 6.5, 7.0, and 7.2;</p> <p>LCF Emergency Plan – Section 1.2.3; and</p> <p>LCF ISA, ISA Summary, and Redacted ISA Summary – Table of Contents and Sections 2.2 and 3.8.7</p>	Yes
FCE 15-0048 PCE - N/A	0	<p>Title: Classified Radioactive Shipments at the American Centrifuge Lead Cascade Facility</p> <p>Description of Change: To allow transport (shipment and receipt) of radioactive equipment and components to and from authorized locations under the Lead Cascade Materials License.</p> <p>Reason for the Change: The Lead Cascade is currently anticipating the need to transport radioactive equipment and components for diagnosis, repair, cleaning, refurbishment, or performance of calibration activities, as well as material samples for detailed analysis.</p>	06/30/15	No	<p>LCF License Application – Table of Contents, Sections 1.1, 4.7, 11.7, and Table 1.2-2;</p> <p>LCF Fundamental Nuclear Material Control Plan – Table of Contents, Acronyms, and Sections 3.2, 4.2, 5.4, 7.0, 7.1, 9.0, and 9.3;</p> <p>LCF Decommissioning Funding Plan – Table C3.4;</p> <p>LCF Emergency Plan – Section 1.2; and</p> <p>LCF ISA, ISA Summary, and Redacted ISA Summary – Table of Contents and Section 2.2</p>	Yes