



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

March 18, 2013

Mr. Steven R. Penrod, Vice President  
Enrichment Operations  
USEC Inc.  
3930 U.S. 23 South  
P.O. Box 628  
Piketon, OH 45661

**SUBJECT: USEC INC. LEAD CASCADE FACILITY, LICENSEE PERFORMANCE REVIEW  
OF LICENSED ACTIVITIES (NUCLEAR REGULATORY COMMISSION  
INSPECTION REPORT 70-7003/2013-001)**

Dear Mr. Penrod:

Managers and staff in our Region II office, the Office of Nuclear Material Safety and Safeguards, and the Office of Nuclear Security and Incident Response, completed a review of the Lead Cascade facility's performance in conducting Nuclear Regulatory Commission (NRC) licensed activities during the period beginning January 1, 2012, and ending December 31, 2012. USEC's Lead Cascades Facility's performance was evaluated in four major areas: Safety Operations, Radiological Controls, Facility Support, and Other Areas. This letter, and its Enclosure, provide the results of our review, and will be used as a basis for establishing the NRC oversight program for your conduct of licensed activities.

The review showed that USEC's Lead Cascade facility continued to conduct its activities safely and securely, while protecting public health and safety and the environment. Based on our current review of activities covering the period January 1, 2012 through December 31, 2012, no Areas Needing Improvement were identified. As a result of your performance during the assessment period, the NRC plans to conduct the core inspection program for a Category 3 Fuel Facility as described in NRC Inspection Manual Chapter 2600, "Fuel Cycle Facility Operational Safety and Safeguards Inspection Program," for the period of January 1, 2013 to December 31, 2014.

The results of our review will be discussed with you at your facility during a meeting open to the public on April 25, 2013. During the meeting, we expect you to discuss your view of your performance in the same major areas as the NRC evaluated.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its Enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

S. Penrod

Questions and comments about NRC's review of USEC Inc.'s performance should be directed to Ms. Lisa Castelli, who can be reached by telephone at 404-997-4419.

Sincerely,

*/RA/*

Anthony T. Gody, Director  
Division of Fuel Facility Inspection

Docket No. 70-7003  
License No. SNM-7003

Enclosure:  
Licensee Performance Review

cc w/encl: (See page 3)

S. Penrod

Questions and comments about NRC's review of USEC Inc.'s performance should be directed to Ms. Lisa Castelli, who can be reached by telephone at 404-997-4419.

Sincerely,

**/RA/**

Anthony T. Gody, Director  
Division of Fuel Facility Inspection

Docket No. 70-7003  
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Enclosure:  
Licensee Performance Review

cc w/encl: (See page 3)

Distribution w/encl:

- L. Castelli, RII
- L. Pitts, RII
- M. Lesser, RII
- T. Gody, RII
- B. Smith, NMSS
- J. Kinneman, NMSS

PUBLICLY AVAILABLE    NON-PUBLICLY AVAILABLE    SENSITIVE    NON-SENSITIVE

ADAMS:  Yes   ACCESSION NUMBER: ML13077A316    SUNSI REVIEW COMPLETE    FORM 665 ATTACHED

OFFICE	RII:DFFI	RII:DFFI	NMSS			
SIGNATURE	Via email	/RA/	M. Bailey for			
NAME	L. Pitts	L. Castelli	J. Kinneman			
DATE	3/ 13 /2013	3/ 14 /2013	3/ 18 /2013			
E-MAIL COPY	<b>YES</b> NO	<b>YES</b> NO	<b>YES</b> NO			

S. Penrod

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cc w/encl:  
Dan Rogers  
General Manager  
American Centrifuge Plant Operations  
USEC Inc.  
Electronic Mail Distribution

Vernon Shanks  
Regulatory Manager  
American Centrifuge Plant  
USEC Inc.  
Electronic Mail Distribution

R. M. DeVault  
Manager  
Regulatory Oversight  
Department of Energy  
Electronic Mail Distribution

Michael L. Bear  
Interim Chief  
Radiological Branch  
Ohio Emergency Management Agency  
2855 West Dublin-Granville Road  
Columbus, OH 43235-2206

Michael Rubadue  
Ohio Department of Health  
Bureau of Radiation Protection  
246 N. High Street  
Columbus, OH 43215  
Electronic Mail Distribution

LICENSEE PERFORMANCE REVIEW FOR LEAD CASCADE  
ASSESSMENT PERIOD: January 1 to December 31, 2012

The following is a summary of the performance of USEC's Lead Cascade Facility in the conduct of NRC licensed activities.

**PERFORMANCE AREA: SAFETY OPERATIONS**

This area is comprised of plant operations, nuclear criticality safety, and fire protection.

Program Areas Needing Improvement

No specific areas needing improvement were identified in Safety Operations.

Planned NRC Inspection Effort

Maintain the core inspection effort in Safety Operations.

**PERFORMANCE AREA: RADIOLOGICAL CONTROLS**

This area is comprised of radiation protection, environmental protection, waste management, and transportation.

Program Areas Needing Improvement

No specific areas needing improvement were identified in Radiological Controls.

Planned NRC Inspection Effort

Maintain the core inspection effort in Radiological Controls.

**PERFORMANCE AREA: FACILITY SUPPORT**

This area is comprised of maintenance and surveillance, training, emergency preparedness, management organization and controls, and permanent plant modifications.

Program Areas Needing Improvement

No specific areas needing improvement were identified for Facility Support.

Planned NRC Inspection Effort

Maintain the core inspection effort in Facility Support.

**PERFORMANCE AREA: OTHER AREAS**

This area is comprised of special issues.

Program Areas Needing Improvement

No specific areas needing improvement were identified for Other Areas.

Planned NRC Inspection Effort

Maintain the core inspection effort in Other Areas.