



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

March 13, 2013

Mr. Robert Van Namen  
Senior Vice President & Chief  
Operating Officer  
United States Enrichment Corporation  
Two Democracy Center  
6903 Rockledge Drive  
Bethesda, MD 20817

SUBJECT: UNITED STATES ENRICHMENT CORPORATION – PADUCAH GASEOUS  
DIFFUSION PLANT, LICENSEE PERFORMANCE REVIEW OF LICENSED  
ACTIVITIES (NUCLEAR REGULATORY COMMISSION INSPECTION REPORT  
NUMBER 70-7001/2013-001)

Dear Mr. Van Namen:

The NRC Region II and Headquarters staffs completed a review of the United States Enrichment Corporation (USEC)-Paducah Gaseous Diffusion Plant inspection results and performance in conducting Nuclear Regulatory Commission (NRC) certificate holder activities. The review covered the period beginning January 1, 2011 and ending December 31, 2012. Paducah Gaseous Diffusion Plant performance was evaluated in the following areas: Safety Operations, Safeguards, Radiological Controls, Facility Support, and Other Topics. This letter and enclosure provide the results of our review and constitutes NRC Inspection Report No. 70-7001/2013-001. This report will be used as a basis for establishing the NRC oversight program for your facility. The details regarding the Safeguards portion of the review are documented in a separate letter marked "Official Use Only" due to the sensitive nature of the information.

The review showed that USEC-Paducah Gaseous Diffusion Plant continued to conduct its activities safely and securely, while protecting public health, and the environment. Based on our current review of activities covering the period January 1, 2011 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 in accordance with the program adjustment letter dated March 5, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13063A227).

The results of our review will be discussed with you at a meeting open to the public on May 2, 2013. The time and location for the proposed public meeting will be communicated via separate correspondence. During the meeting, we expect you to discuss your view of your performance in the same major areas as evaluated by the NRC.

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

Please refer questions and comments regarding your performance review to Ms. Lisa V. Castelli, Acting Chief, Fuel Facility Inspection Branch 2, by telephone at 404-997-4419.

Sincerely,

**/RA/**

Anthony T. Gody, Director  
Division of Fuel Facility Inspection

Docket No. 70-7001  
Certificate No. GDP-1

Enclosure:  
Licensee Performance Review

cc w/encl: (See page 3)

R. Van Namen

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Sincerely,

**/RA/**

Anthony T. Gody, Director  
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Docket No.70-7001  
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Enclosure:  
Licensee Performance Review

cc w/encl: (See page 3)

Distribution w/encl:

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ADAMS: ☒ Yes      ACCESSION NUMBER: ML13073A018      ☒ SUNSI REVIEW COMPLETE      ☒ FORM 665 ATTACHED

OFFICE	RII:DFFI	RII:DFFI	NMSS				
SIGNATURE	/RA/	Via email	Via email				
NAME	JDiaz	LCastelli	JKinneman				
DATE	3/6/2013	3/6/2013	3/8/2013				
E-MAIL COPY	<b>YES</b> NO	<b>YES</b> NO	<b>YES</b> NO	<b>YES</b> NO	<b>YES</b> NO	<b>YES</b> NO	<b>YES</b> NO

OFFICIAL RECORD COPY      DOCUMENT NAME: G:\DFFI\ASSESS      LPR\USEC Paducah\2013\2013  
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cc w/encl:  
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LICENSEE PERFORMANCE REVIEW FOR  
USEC-GASEOUS DIFFUSION PLANT  
ASSESSMENT PERIOD: JANUARY 1, 2011 TO DECEMBER 31, 2012

The following is a summary of the performance of USEC-Gaseous Diffusion Plant in the conduct of NRC licensed activities.

**PERFORMANCE AREA: SAFETY OPERATIONS**

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

Program Areas Needing Improvement

No specific Area Needing Improvement was identified in Safety Operations.

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 Area Needing Improvement was identified in Radiological Controls.

NRC Inspection Effort

Maintain the core inspection effort in Radiological Controls.

**PERFORMANCE AREA: FACILITY SUPPORT**

This area is comprised of maintenance and surveillance of safety controls, management organization and controls, operator training, emergency preparedness, emergency exercise evaluation, and permanent plant modifications

Program Areas Needing Improvement

No specific Area Needing Improvement was identified in Facility Support.

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 Area Needing Improvement was identified in Other Areas.

NRC Inspection Effort

Maintain the current inspection effort.