

October 18, 2012

Mr. James Lewis
General Manager
Paducah Gaseous Diffusion Plant
PO Box 1410
Paducah, KY 42002

SUBJECT: INSPECTION PROGRAM ADJUSTMENT, PADUCAH GASEOUS DIFFUSION
PLANT

Dear Mr. Lewis:

The U.S. Nuclear Regulatory Commission (NRC) has reviewed your request dated December 13, 2011, to modify the Resident Inspection Program for the Paducah Gaseous Diffusion Plant (PGDP). For the reasons discussed below, we have concluded that two resident inspectors are no longer needed at the PGDP. The program can be adjusted appropriately to support a reduced level of inspection hours and one resident inspector onsite.

The change is largely based on the fact that PGDP has continued to operate safely for over a decade under NRC's oversight. Our inspection and oversight activities have concluded that PGDP, as the certificate holder, continues to implement an effective nuclear safety program, and inspection findings over the past 5 years indicate that most issues identified were of minor safety significance. Those more significant issues, typically associated with personnel performance and safety culture, have been adequately resolved; and the staff believes that the PGDP has the elements of an effective corrective action program.

With this change, the revised resident inspection hours will be consistent with the number of hours for a single resident inspector at the two existing Category 1 fuel cycle facilities. The total core hours remain consistent with the core hours for a gas centrifuge enrichment facility. The hours associated with the Resident Inspection Program for Configuration Control has been zeroed because of the overlap between Resident Inspection Procedure (IP) 88100 and the Core IP 88070. Moreover, the Core Inspection Program allows for adjustments at the NRC's discretion to review configuration control and plant modifications.

On this basis, the Core Inspection Program is adjusted to 511 inspection hours per year, and the Resident Inspection Program is adjusted to 850 hours per year. This change is effective immediately and the NRC's inspection plans are being adjusted accordingly.

In accordance with Title 10 of the *Code of Federal Regulations* 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 Publicly Available Records System component of NRC's document system (Agencywide Documents Access and Management System [ADAMS]). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

We believe this inspection program adjustment addresses your request. If you have any questions, I am available to discuss further.

Sincerely,

/RA/

John D. Kinneman, Director
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

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

Enclosure:
Paducah Gaseous Diffusion Plant Revised
Core and Resident Inspection Program

cc: See page 3

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John D. Kinneman, Director
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Mr. Mark Keef
Director of Paducah Government Services
Paducah Gaseous Diffusion Plant
United States Enrichment Corporation
Electronic Mail Distribution

Mr. Steve Penrod
Vice President Enrichment Operations
United States Enrichment Corporation
Electronic Mail Distribution

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

Mr. Michael Buckner
Plant Manager
Paducah Gaseous Diffusion Plant
United States Enrichment Corporation
Electronic Mail Distribution

Mr. Vernon Shanks
Manager, Nuclear Regulatory Affairs
Paducah Gaseous Diffusion Plant
United States Enrichment Corporation
Electronic Mail Distribution

Mr. Steven A. Toelle, Director
Nuclear Regulatory Affairs
United States Enrichment Corporation
Two Democracy Center
6903 Rockledge Drive
Bethesda, MD 20817

Paducah Gaseous Diffusion Plant
Revised Core and Resident Inspection Program

Function/Program Area	Estimated Annual Core Inspection Hours	Estimated Annual Resident Inspection Hours	Total Estimated Inspection Hours
Plant Operations	24	766	790
Criticality Safety	128	0	128
Fire Protection	53	0	53
MC&A	64	0	64
Physical Protection	8	0	8
Radiological Controls	84	0	84
Facility Support	150	0	150
Configuration Control	0	0	0
Surveillance Ops	0	20	20
Maintenance Ops	0	40	40
Management O&C	0	24	24
Total	511	850	1361