

November 22, 2011 GDP 11-1039

Ms. Catherine Haney Director, Office of Nuclear Material Safety and Safeguards U.S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, D.C. 20555-0001

Paducah Gaseous Diffusion Plant (PGDP) Docket No. 70-7001, Certificate No. GDP-1 Submittal of NRC Form 327, "Special Nuclear Material (SNM) and Source Material (SM) Physical Inventory Summary Report"

INFORMATION TRANSMITTED HEREWITH IS PROTECTED FROM PUBLIC DISCLOSURE AS CONFIDENTIAL COMMERCIAL OR FINANCIAL INFORMATION AND/OR TRADE SECRETS PURSUANT TO 10 CFR 2.390(d)(1)

Dear Ms. Haney:

As required by 10 CFR 74.17(a) and the Fundamental Nuclear Material Control Plan (FNMCP), the United States Enrichment Corporation (USEC) is submitting to the United States Nuclear Regulatory Commission (NRC) the annual SNM and SM Physical Inventory Summary Report for the Paducah Gaseous Diffusion Plant. These Form 327 documents in Enclosures 1 through 5 cover the annual inventory period stated therein.

Enclosure 1 includes Annual Normal Uranium inventory.

Enclosure 2 includes Annual Low Enriched Uranium (LEU) inventory.

Enclosure 3 includes Annual Depleted Uranium inventory.

Enclosure 4 includes Annual Cascade inventory.

Enclosure 5 includes Annual Total Plant inventory.

United States Enrichment Corporation Paducah Gaseous Diffusion Plant P.O. Box 1410, Paducah, KY 42002

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Ms. Catherine Haney November 22, 2011 GDP 11-1039, Page 2

Enclosures 1 through 5 contain information concerning USEC's material control and accounting program for special nuclear material at the plant. As such, Enclosures 1 through 5 contain confidential commercial or financial information that is exempt from public disclosure pursuant to 10 CFR 2.390(d)(1). USEC hereby requests that Enclosures 1 through 5 be withheld from public disclosure based on 10 CFR 2.390(d)(1), which states, in part:

"The following information is considered commercial or financial information within the meaning of § 9.17(a)(4) of this chapter and is subject to disclosure only in accordance with the provisions of § 9.19 of this chapter.

(1) Correspondence and reports to or from the NRC which contain information or records concerning a licensee's or applicant's physical protection, classified matter protection, or material control and accounting program for special nuclear material not otherwise designated as Safeguards Information or classified as National Security Information or Restricted Data."

There are no new commitments contained in this submittal. Should you have any questions or comments on the enclosed information, please contact Jere Bracey at (270) 441-5928.

Sincerely,

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Vernoh J. Shanks Manager, Regulatory Affairs

Enclosures: As Stated

cc: J. Calle, Chief, Fuel Facility Inspection Branch 2, NRC Region II
T. Liu, NRC Project Manager PGDP, NRC-HQ
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