NRC FORM 591FF PART 1
(11-2005)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY AND COMPLIANCE INSPECTION REPORT

1. LICENSEE OR CERTIFICATEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE:
USEC Inc. 6903 Rockledge Drive Bethesda, MD 20817 REPORT NO: 2008-001	**U.S. Nuclear Regulatory Commission** **Region II** **61 Forsyth Street, Suite 23T85** **Atlanta, GA 30303**

3. DOCKET NUMBER(S):	4. LICENSE OR CERTIFICATEE NUMBER:	5. DATE(S) OF INSPECTION:
70-7003	SNM-7003	February 18 – 21, 2008

6. INSPECTION PROCEDURE(S) COMPLETED 88020

LICENSEE OR CERTIFICATEE:

The inspection was an examination of the activities conducted under your license or certificate as they related to safety and/or safeguards and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license or certificate. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observation by the inspector. The inspection findings are as follows:

☑ 1. Based on the inspection findings, no violations were identified.

☐ 2. Previous violation(s) closed.

☐ 3. Reported events reviewed

☐ 4. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were non-repetitive, licensee-identified, and corrective action was being taken, and the remaining criteria in the NRC Enforcement Policy to exercise discretion were satisfied.

Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

☐ 5. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE/CERTIFICATEE			
NRC INSPECTOR	David Hartland	**/RA/**	3/17/08

DOCKET FILE INFORMATION
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6. INSPECTOR(S): David Hartland

7. INSPECTION PROCEDURES USED: 88020

SUPPLEMENTAL INSPECTION INFORMATION

EXECUTIVE SUMMARY

Summary of Plant Status

The United States Enrichment Corporation (USEC) Inc., Lead Cascade is a gas centrifuge test and demonstration facility that is located in existing buildings on the site of the Portsmouth Gaseous Diffusion Plant (GDP) in Piketon, Ohio. The Portsmouth GDP is operated by USEC, who leases the property from the Department of Energy. The area within Portsmouth that houses the Lead Cascade is subleased from USEC to USEC Inc. During the period of the inspection, centrifuge demonstration operations were in progress.

This was a routine, announced inspection that included observations and evaluations of the operational safety program. The inspection involved interviews with plant personnel, review of selected records, and observation of work activities. The inspection identified the following aspects of licensee's program as outlined below:

Plant Operations

1. The inspectors reviewed several of the safety-related controls from the integrated safety analysis. The inspectors noted no deficiencies in their implementation.

2. Licensee personnel demonstrated adequate knowledge of process operations, safety controls, and applicable operations procedures for their areas.

List of Items Opened, Closed, And Discussed

Item Number	Status	Description
IFI 2007-001-01	Closed	Conduct of an emergency drill involving a radiological source term. The licensee performed a drill with a source term in December 2007 that demonstrated the ability of its emergency response organization to respond to an emergency at the Lead Cascade facility.