

INSPECTION REPORT

1. LICENSEE OR CERTIFICATE HOLDER/LOCATION INSPECTED: United States Enrichment Corporation 6903 Rockledge Drive Bethesda, MD 20817		2. NRC/REGIONAL OFFICE: U.S. Nuclear Regulatory Commission Region II 245 Peachtree Center Avenue, NE, Suite 1200 Atlanta, GA 30303-1257	
REPORT NO: 2010-003			
3. DOCKET NUMBER: 70-7002	4. LICENSE OR CERTIFICATE NUMBER: GDP-2	5. DATE(S) OF INSPECTION: August 9-12, 2010	

LICENSEE OR CERTIFICATE HOLDER:

The inspection was an examination of the activities conducted under your license or certificate as they relate 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 observations by the inspectors. 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 inspectors as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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)

LICENSEE OR CERTIFICATE HOLDER STATEMENT OF CORRECTIVE ACTIONS FOR ITEM 5, ABOVE

I hereby state that, within 30 days, the actions described by me to the inspectors will be taken to correct the violation(s) 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 the NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE/CERTIFICATE HOLDER REPRESENTATIVE			
NRC INSPECTORS	David Hartland	/RA/	8/27/10

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6. INSPECTORS(S): C. Cramer, O. Lopez, D. Hartland

7. INSPECTION PROCEDURES USED: 88020, 88050, 88054, 88055

EXECUTIVE SUMMARY

Summary of Plant Status

- The Portsmouth Gaseous Diffusion Plant (GDP) had previously discontinued uranium hexafluoride (UF₆) enrichment processes. The facility is currently supporting limited equipment operations in X-326 to complete the removal of uranium residues. During the inspection, routine cleanup and maintenance operations were being conducted and no incidents were reported. The inspection involved interviews with plant personnel, review of selected records, and observation of work activities. The inspection evaluated the following program areas:

Plant Operations (Inspection Procedure (IP) 88020)

- The inspectors reviewed several of the applicable safety-related controls from the technical safety requirements for the X-326 and X-705 facilities. The inspectors noted no deficiencies in their implementation.
- Certificate holder personnel demonstrated adequate knowledge of process operations, safety controls, and applicable operations procedures for their areas.
- The inspectors observed surveillance activities related to a technical safety requirement in Building X-705 (calciner can level probe detector) and verified that they were adequately conducted.

Emergency Preparedness (IP 88050)

- Based on the observation of equipment operability checks and the review of documentation for equipment maintenance and calibration, the inspector determined that the reliability of selected equipment was good and the equipment was maintained in a state of operational readiness.
- The inspectors observed testing of the public warning system conducted at a local sheriff's office. No issues were identified. Personnel in the sheriff's office indicated that they had a good working relationship with the certificate holder.

EXECUTIVE SUMMARY (Continued)

Fire Safety (IP 88054 and 880055)

- The inspectors walked down X-300, X-326, X-330, X-705, X-710, and XT-847 to verify that the certificate holder was managing and controlling combustible/flammable materials. The inspectors reviewed combustible loading calculations for X-330, X-333, and X-326. The certificate holder had removed all of the lube oil from Building X-333 and most of the lube oil from X-330 and X-326, which significantly reduced the fire hazards of these buildings. No issues of significance were identified.
- The inspectors reviewed the pre-fire plans for Buildings X-705, X-326, and X-3001. The inspectors verified that the pre-fire plans contained sufficient information to support the response of the facility's emergency response team and offsite fire department. No issues of significance were identified.
- The inspectors verified that sprinklers systems were not obstructed, that water supply to the system was readily available with correct valve positioning and pumping capability, and that there was not visual evidence of physical degradation. The inspectors verified that sprinkler systems complied with the design requirements of NFPA 13.
- The inspectors verified that the inspection, testing, and maintenance (ITM) of the sprinkler systems complied with the requirements specified in the Safety Analysis Report. No significant issues were identified.
- The inspectors reviewed a sample of fire extinguishers located throughout the facility. The extinguishers sampled were properly rated for the hazards present in the areas. The inspectors determined that both the extinguishers and the fire hose reels sampled were accessible and in adequate material condition.
- The inspectors walked down the X-640 and X-6644 pump houses. The inspectors verified the valve lineup to ensure that adequate water supply was available for the sprinkler systems. The inspectors reviewed the annual fire pump capacity tests for all of the fire pumps. No significant issues were identified.
- The inspectors walked down X-1007 and X-300 to verify that these facilities had the capability to receive and monitor fire alarm indications. No issues of significance were identified.
- The inspectors reviewed the most recent annual building surveys for X-705 and X-326. The inspectors determined that the certificate holder adequately performed the annual building surveys that were reviewed and was appropriately tracking findings in their corrective action program. No significant issues were identified.
- The inspectors reviewed two change requests: 1) the addition of pressure reduction valves for the high pressure water system to prevent damage to the sprinkler heads due to pressure transients and 2) roof repairs to the X-326 building. The certificate holder performed adequate analyses for both of the changes to ensure that the changes would not decrease fire protection. While implementing the changes, the certificate holder put in place appropriate compensatory measures to maintain adequate fire protection. No significant issues were identified.

Exit Meeting Summary

- The inspection scope and results were summarized on Thursday, August 12, 2010, with members of the certificate holder's staff. No proprietary information was identified.

EXECUTIVE SUMMARY (Continued)

Items Opened, Closed, and Discussed

- (Closed) Event Number 45925: Notification of Ohio EPA due to exceeding NPDES discharge permit value. There were no nuclear safety-related issues, and this item is closed.
- (Closed) Event Number 45752: Potential release of contaminated materials off-site. The disposition of the issues related to this event are being tracked by URI 70-7002/2010-001-01 and 02. This item is closed.

Key Points of Contact

Name

D. Fogel
J. Boyce
J. Woodard
J. Tully

Title

Nuclear Regulatory Affairs Manager
Fire Services Manager
X-705 Facility Manager
X-326 Facility Manager