NRC FORM 591FF PART 1
(12-2007)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

INSPECTION REPORT

1. LICENSEE OR CERTIFICATE HOLDER/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE:
Westinghouse Electric Company Commercial Nuclear Fuel Division Columbia, SC 29250 REPORT NO: 2009-001	U.S. Nuclear Regulatory Commission Region II 61 Forsyth Street, Suite 23T85 Atlanta, GA 30303-8931

3. DOCKET NUMBER:	4. LICENSE OR CERTIFICATE NUMBER:	5. DATE(S) OF INSPECTION:
70-1151	SNM-1107	February 23-26, 2009

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 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 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 inspector 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 INSPECTOR	Robert Prince	/RA/	3/10/09

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6. INSPECTOR(S): Robert Prince and Gregory Chapman (in-training)

7. INSPECTION PROCEDURES USED: 88030

EXECUTIVE SUMMARY

Summary of Plant Status

Westinghouse Columbia Fuel Fabrication Facility performed routine operations throughout the inspection period. This was a routine, announced inspection that included observation and evaluation of the Radiation Protection program. The inspection involved interviews with plant personnel, review of selected records, and observation of work activities.

Radiation Protection

- The inspector observed the performance of daily source response and operational checks of radiation monitoring equipment, and functional alarm verification of contamination monitors located at exit points from controlled areas. Licensee personnel were knowledgeable of the operational check requirements and activities performed in accordance with approved procedures.

- The inspector reviewed records associated with the calibration of portable survey instruments and hand-and-foot contamination monitors. Calibration and functional performance check procedures were found to be current and adequate. The inspector reviewed calibration and source response check sources for appropriate configuration and to confirm suitability of sources for their intended function. The inspector noted that the licensee utilizes an offsite contractor to perform instrument calibrations. The inspector reviewed selected calibration records for accuracy and completeness. No issues or concerns were identified.

- The inspector observed Radiation Protection technicians performing routine surveys at exit locations from the controlled area. Radiation Protection technicians demonstrated adequate contamination survey techniques. Breathing zone air monitoring stations in the controlled area were inspected for operability and to ensure that sample locations were representative of work areas normally occupied by operators. The inspector reviewed selected survey results for accuracy and completeness. No issues or concerns were identified.

- The inspector interviewed personnel regarding the ALARA program and the trending and tracking of personnel exposures. The inspector noted that ALARA committee meetings were held on a routine basis. The inspector noted that the licensee had established initiatives to reduce annual personnel exposures and to improve housekeeping throughout the plant. The inspector noted considerable improvement in plant housekeeping since his last inspection in 2007. Efforts to reduce annual personnel exposures have resulted in annual dose reductions from 315 person-rem in 2001, to 180 person-rem in 2007.

- The inspector reviewed audits of the radiation protection program performed by the QA department. The inspector noted that audit findings were entered into the licensee's corrective action program and corrective actions implemented in accordance with the licensee's corrective action program. No safety issues or concerns were identified.

- Procedures associated with the scheduling and performance of radiological surveillance activities were found to be adequate.

- The inspector reviewed radiological sign postings within the controlled area and to entrances leading into the controlled areas. Radiological areas were posted in accordance with approved procedures and accurately reflected radiological conditions in the posted area. Radioactive material storage containers and outside radioactive material storage areas were adequately posted and controlled.

- The inspector reviewed the licensee's bioassay program associated with the evaluation of worker exposure to uranium and adequacy of personnel exposure assessments. The inspector reviewed procedures and documentation associated with bioassay exposure calculations. Personnel were knowledgeable of the procedure for preparing urine samples for uranium analysis. The inspector reviewed procedural requirements with responsible personnel. Exposure records were reviewed for accuracy and completeness. The inspector interviewed personnel responsible for the review and maintenance of bioassay exposure records and found individuals to be knowledgeable of program requirements.

- The inspector reviewed elements of the licensee's program relating to the use and maintenance of respiratory protection equipment. Based on field observations and discussions with responsible personnel the inspector found that respiratory protection equipment was adequately maintained. Provisions to ensure that only qualified individuals utilize respiratory protection equipment were adequate and implemented in accordance with approved procedures.

Exit Meeting Summary

The inspection scope and results were presented on Thursday, February 26, 2009, to Mr. Cary Alstadt and members of his staff.

List of Items Opened, Closed, Discussed

Item Number	Status	Description
VIO 70-1151/2008-05-01	Closed	Failure to follow facility procedures requiring the administrative tracking of the 16 vials of UF_6 upon receipt. Based on interviews, field observations, and a review of documentation, all corrective actions to address this violation were complete.
VIO 70-1151/2008-05-02	Closed	The failure to secure from unauthorized removal or access 16 sample vials of uranium hexafluoride that were stored in a controlled area. Based on interviews, field observations, and review of documentation, all corrective actions to address this violation were complete.
VIO 70-1151/2008-05-03	Closed	The failure of an individual to annotate in WEC's Electronic Training and Procedure System (ETAPS), as an End User. Based on interviews and review of documentation, all corrective actions to address this violation were complete.

Item Number	Status	Description
VIO 70-1151/2007-401-01	Closed	Failure to conduct on two occasions an inspection of containers and seal integrity at the terminal port of import for shipments of SNM of low strategic significance. WEC in letter dated March 18, 2008 did not concur with one of the example of the NRC violation from letter dated February 13, 2008, specifically Section 7.12 of the Physical Security Plan. In a revised response dated November 10, 2008, WEC indicated that it does not dispute that a violation occurred and provided the NRC with corrective actions. Based on interviews and review of documentation and corrective actions provided by the licensee for inspections 070001151/2007401 and 070001151/2008401, this violation is closed.