



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

September 8, 2006

Mr. Mark Fecteau  
Manager, Columbia Plant  
Westinghouse Electric Company  
Commercial Nuclear Fuel Division  
Drawer R  
Columbia, SC 29250

SUBJECT: NRC INSPECTION REPORT NO. 70-1151/2006-008

Dear Mr. Fecteau:

This refers to the results of the above-referenced Nuclear Regulatory Commission (NRC) inspection conducted at your Columbia, South Carolina facility on August 21 - 24, 2006. The purpose of the inspection was to determine whether activities authorized by the license were conducted safely and in accordance with NRC requirements. At the conclusion of the inspection on August 24, 2006, the NRC inspector discussed the findings with members of your staff.

As a result of the inspection, the enclosed NRC Form 591FF, SAFETY INSPECTION REPORT, Parts 1 and 3, are being issued. The enclosed forms indicate that no violations were identified during the inspection of your licensed activities. Please retain the original Form 591FF Parts 1 and 3 for your files. No acknowledgment of this letter is required.

In accordance with 10 CFR 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 NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions concerning this letter, please contact us.

Sincerely,

/RA/

Jay L. Henson, Chief  
Fuel Facility Inspection Branch 2  
Division of Fuel Facility Inspection

Docket No. 70-1151  
License No. SNM-1107

Enclosure: (See page 2)

M. Fecteau

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Enclosure: NRC 591FF Parts 1 and 3

cc w/encl:

Marc Rosser, Manager  
Environment, Health and Safety  
Commercial Nuclear Fuel Division  
Westinghouse Electric Corporation  
P. O. Box R  
Columbia, SC 29250

Henry J. Porter, Assistant Director  
Div. of Radioactive Waste Mgmt.  
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PUBLIC

☒ PUBLICLY AVAILABLE      ☐ NON-PUBLICLY AVAILABLE      ☐ SENSITIVE      ☒ NON-SENSITIVE

ADAMS: ☒ Yes      ACCESSION NUMBER: \_\_\_\_\_

OFFICE	RII:DFFI	RII:DFFI					
SIGNATURE	SS 9/8/06	JP 9/8/06					
NAME	SSubosits	JPelchat					
DATE							
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: E:\Filenet\ML062510269.wpd

SAFETY INSPECTION REPORT  
AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Westinghouse Electric Company  
Commercial Nuclear Fuel Division  
Columbia, SC 29250

## 2. NRC/REGIONAL OFFICE:

U.S. Nuclear Regulatory Commission  
Region II, Division of Fuel Facilities Inspection  
61 Forsyth Street, Suite 23T85  
Atlanta, GA 30303

REPORT NUMBER(S): 70-1151/2006-008

## 3. DOCKET NUMBER(S):

70-1151

## 4. LICENSE NUMBER(S):

SNM-1107

## 5. DATE(S) OF INSPECTION:

August 21-24, 2006

## LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. 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. The violation(s), specifically described to you by the inspector as non-cited violations, is 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

- ☐ 4. 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's Statement of Corrective Actions for Item 4, above.

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'S REPRESENTATIVE			
NRC INSPECTOR	Stephen G. Subosits	/RA/	9/8/06

SAFETY INSPECTION REPORT  
AND COMPLIANCE INSPECTION

1. LICENSEE

**Westinghouse Electric Company  
Commercial Nuclear Fuel Division  
Columbia, SC 29250**

2. NRC/REGIONAL OFFICE

**U.S. Nuclear Regulatory Commission  
Region II, Division of Fuel Facilities Inspection  
61 Forsyth Street, Suite 23T85  
Atlanta, GA 30303**REPORT NUMBER(S): **70-1151/2006-008**

3. DOCKET NUMBER(S):

4. LICENSE NUMBER(S):

5. DATE(S) OF INSPECTION:

**70-1151****SNM-1107****August 21-24, 2006**6. INSPECTORS: **Stephen G. Subosits**7. INSPECTION PROCEDURES USED: **88020**

## SUPPLEMENTAL INSPECTION INFORMATION

## Executive Summary

The Westinghouse Facility fabricates low-enriched uranium fuel into fuel assemblies for use in commercial reactors. During the period of the inspection, plant operations were normal.

This routine, announced inspection included observations and evaluation of management organization and controls, and transportation. The inspection involved observations of work activities, reviews of selected procedures and records, and interviews with plant personnel. The inspection identified the following aspects of the licensee programs as outlined below:

**Plant Operations (88020)**

- The inspector reviewed two criticality safety evaluations and determined the licensee's evaluations were thorough and identified the proper nuclear criticality safety (NCS) controls.
- The inspector's review of configuration control drawings for the incinerator system verified the licensee was adequately maintaining system configuration.
- NCS audits were thorough and probing in assessing and identifying issues related to NCS. Issues were being communicated to management to ensure appropriate followup.
- Licensee personnel demonstrated adequate knowledge of process operations, NCS controls and applicable operations procedures for the conversion and fuel manufacturing processes.

**Executive Summary** (continued)

- The licensee's procedures were adequate to ensure safe operations of the conversion and incinerator processes.
- The inspector noted a weakness in the licensee's tracking of implementation status for modifications performed under the configuration control program.
  - In one example, the inspector found an approved modification package for several pumps in the solvent extraction process was only partially field-installed even though the configuration control package had startup approval signatures. The licensee acknowledged the difficulty that the current format of the configuration form presents in determining implementation status of a modification, but noted the startup approvals do not indicate the modification is field-complete.
  - In another example, the licensee identified an approved modification to the pelleting process which was installed in the field and then inexplicably cancelled after a majority of the post-modification startup activities were complete. The licensee acknowledged the error was a result of an oversight by its staff. The licensee noted the ongoing implementation of its computer-based system to approve and track modification packages should ensure the status of modifications are adequately tracked in the future.

An Inspector Followup Item (IFI) 70-1151/2006-08-01 was opened to track the licensee's progress in this area.

**Items Opened, Closed, And Discussed**

<u>Item Number</u>	<u>Status</u>	<u>Type</u>	<u>Description</u>
70-1151/2006-08-01	Open	IFI	Review and verify adequacy of computer-based configuration control form program in tracking implementation status for modifications