



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

July 28, 2015

Mr. David Precht
Vice President, Columbia Fuel Operations and
Manager, Columbia Plant
Westinghouse Electric Company
5801 Bluff Road
Hopkins, SC 29061

SUBJECT: WESTINGHOUSE ELECTRIC COMPANY – NUCLEAR REGULATORY
COMMISSION INSPECTION REPORT 70-1151/2015-003

Dear Mr. Precht:

The Nuclear Regulatory Commission (NRC) conducted an announced inspection during the second quarter in calendar year 2015 (April 1 - June 30, 2015), at the Westinghouse Columbia Fuel Fabrication Facility in Hopkins, SC. The purpose of the inspection was to review implementation of programs and procedures for evaluation of exercises and drills. The reviews were conducted to determine whether licensed activities were conducted safely and in accordance with NRC requirements. The enclosed report presents the results of this inspection. At the conclusion of the inspection, the results were discussed with you and members of your staff at exit meeting on May 21, 2015.

During the inspection, the staff examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspection consisted of facility walk-downs; selective examinations of relevant procedures and records; interviews with plant personnel; and plant observations. Throughout the inspection, observations were discussed with your managers and staff. Based on the results of the inspection, no violations of NRC requirements were identified.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of NRC's "Rules of Practice and Procedure," a copy of this letter and enclosure will be made available electronically for public inspection in the NRC Public Document Room, or from the NRC's Agencywide Documents Access and Management System (ADAMS), which is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>.

D. Precht

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If you have any questions, please call me at (404) 997-4555.

Sincerely,

/RA/

Eric C. Michel, Chief
Projects Branch 2
Division of Fuel Facility Inspection

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

Enclosure:
NRC Inspection Report 70-1151/2015-003
w/Supplemental Information

cc:
John Howell
Manager
Environment, Health and Safety
Electronic Mail Distribution

Nancy Parr
Manager
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Christine Kneece
Manager
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Electronic Mail Distribution

Susan E. Jenkins
Assistant Director, Division of Waste Management
Bureau of Land and Waste Management
Department of Health and Environmental Control
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OFFICE	RII:DFFI	RII:DFFI	RII:DFFI	RII:DFFI			
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DATE	7/27/2015	7/21/2015	7/21/2015	7/22/2015			
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

U. S. NUCLEAR REGULATORY COMMISSION
REGION II

Docket No.: 70-1151

License No.: SNM-1107

Report No.: 70-1151/2015-003

Licensee: Westinghouse Electric Company

Facility: Columbia Fuel Fabrication Facility

Location: Hopkins, SC 29061

Dates: April 1 through June 30, 2015

Inspectors: C. Rivera-Crespo, Fuel Facility Inspector (Section A.1)
K. Kirchbaum, Fuel Facility Inspector (Section A.1)
O. Smith, Physical Security Inspector (Section A.1)

Approved by: E. Michel, Chief
Projects Branch 2
Division of Fuel Facility Inspection

Enclosure

EXECUTIVE SUMMARY

Westinghouse Electric Company
Columbia Fuel Fabrication Facility
NRC Integrated Inspection Report 70-1151/2015-003
April 1 through June 30, 2015

Inspections were conducted by Nuclear Regulatory Commission (NRC) regional inspectors during normal shifts for the evaluation of an emergency exercise. During the inspection period, normal production activities were ongoing. The announced inspection consisted of a selective examination of procedures and representative records, observations of activities, and interviews with licensee personnel. No safety significant findings were identified.

Emergency Preparedness

- The graded biannual emergency drill was implemented in accordance with the Emergency Plan and regulatory requirements. (Paragraph A.1)

Attachment:

Key Points of Contact
List of Items Opened, Closed, and Discussed
Inspection Procedures Used
Documents Reviewed

REPORT DETAILS

Summary of Plant Status

The Westinghouse Facility converts uranium hexafluoride (UF₆) into uranium dioxide using a wet conversion process and fabricates fuel assemblies for use in commercial nuclear power reactors. During the inspection period, normal production activities were ongoing.

A. Facility Support

1. Evaluation of Exercises and Drills (Inspection Procedure (IP) 88051)

a. Inspection Scope and Observations

The inspectors reviewed the emergency drill scenario and discussed the objectives with licensee personnel before the exercise. The inspectors walked down the plant to assess the effectiveness of the visual aids used in the drill and verified that the licensee had not pre-staged equipment in anticipation of the exercise. The inspectors reviewed the Emergency Plan and the emergency procedures prior to drill implementation. The inspectors observed and evaluated the licensee graded, biennial exercise conducted on May 20, 2015. The scenario was based on an active shooter situation that began in the ERBIA Area then moved outdoors to the URRS area resulting in four injured employees and a tank rupture from T-1148 that spilled 1500 gallons of low-level uranium bearing waste water to the environment.

At the initiation of the emergency drill, the inspectors verified that the licensee assessed the accident scenario, analyzed the plant conditions, and adequately classified the event. The event was classified as an Alert and later as a Site Area Emergency in accordance with the Emergency Plan. The inspectors observed the activation of the Emergency Operations Center (EOC), the Incident Command (IC) station and the remainder of the Emergency Organization. Inspectors noted that all required positions were fully staffed and the necessary personnel were dispatched in accordance with the Emergency Plan.

The inspectors reviewed the licensee's written agreement with the local off-site law enforcement agency, Richland County Sheriff Department, and verified that the agreement as required by the Emergency Plan and NRC regulations was up-to-date. The inspectors interviewed exercise participants of the Richland County Sheriff Department and determined that they maintained an adequate understanding of the licensee's written agreement. The inspectors reviewed the licensee's Physical Security Plan and written security procedures for responding to contingencies and determined that they were adequate for their intended functions. During the emergency drill, the inspectors verified that the actions of the on-duty security force members and local law enforcement responders were consistent with the written contingency security procedures and the licensee's physical security plan.

The inspectors also verified that the initial offsite notifications were made within the time period specified in the Emergency Plan. The inspectors determined that the Emergency Director (ED) maintained adequate command and control of the EOC. In addition, the Incident Commander maintained adequate command and control of the emergency

response team and coordinated action with the off-site emergency responders and the ED. The inspectors verified that the emergency response team activities were appropriate for the exercise scenario and were adequate in meeting the drill objectives.

The inspectors observed the staff critiques of the emergency exercise. The inspectors determined that the critiques were effective at identifying lessons learned and areas of improvement. The inspectors verified that the licensee initiated documentation of items discussed after the emergency exercise in the corrective actions program.

b. Conclusion

No violations of NRC requirements were identified.

B. Exit Meeting

The inspection scope and results were presented to members of the licensee's staff at various meetings throughout the inspection period and were summarized on May 21, 2015, to David Precht and staff. No dissenting comments were received from the licensee. Proprietary and security related information were discussed but not included in the report.

SUPPLEMENTAL INFORMATION

1. KEY POINTS OF CONTACT

<u>Name</u>	<u>Title</u>
E. Byrd	Licensing Engineer, Environmental Safety & Health (EH&S)
S. Carver	Emergency Preparedness Manager
J. Howell	Conversion Area Manager
N. Parr	EH&S Licensing Manager
D. Precht	Plant Manager

Other licensee employees contacted included engineers, technicians, production staff, and office personnel.

2. LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

None

3. INSPECTION PROCEDURE USED

IP 88051 Evaluation of Exercises and Drills

4. DOCUMENTS REVIEWED

Records:

SEPF-013-1, Post Incident Analysis (PIA), dated May 14, /2015

Procedures:

Westinghouse Physical Protection Plan, dated January 14, 2013

Security Procedure – 200, Security Force Organization Duties and Responsibilities, Revision (Rev.) 3.

Security Procedure - 200, SEC-600, Contingency Situations, Rev. 1

Security Procedure - 601, National Terrorism Advisory System Response, Rev. 0

SEP-018, Emergency Operations Center (EOC) Operations, Rev. 2, dated May 16, 2013

SEPF-018-1, Emergency Director Checklist, Rev. 2, dated May 16, 2013

SEP-007, Notification Guidelines for NRC and Other Agencies, Rev. 37, dated May 14, 2015

SEP-002, Classification, Rev. 6, dated March 13, 2014

ROF-07-001-1, Health Physics Response to Contaminated Injury/III Victim, September 20, 2012

Condition Reports Written as a Result of the Inspection:

100306600

100306599

100306601

100306598