



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

March 12, 2013

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

SUBJECT: WESTINGHOUSE ELECTRIC COMPANY, COLUMBIA FUEL FABRICATION
FACILITY LICENSEE PERFORMANCE REVIEW (NUCLEAR REGULATORY
COMMISSION INSPECTION REPORT 70-1151/2013-001)

Dear Mr. Precht:

The Nuclear Regulatory Commission (NRC) Region II and Headquarters staff completed a review of the Westinghouse Electric Company, Columbia Fuel Fabrication Facility (WEC) inspection results and performance in conducting NRC licensed activities. The review covered the period beginning January 1, 2011, and ending December 31, 2012. Westinghouse's performance was evaluated in the following areas: Safety Operations, Radiological Controls, Facility Support, and Other Areas. This letter and enclosure provide the results of our review and constitute Inspection Report 70-1151/2013-001. This report will be used as a basis for establishing the NRC oversight program for your facility. The details regarding the Safeguards portion of the review are documented in a separate letter marked "Official Use Only" due to the sensitive nature of the information.

Overall, the staff determined that Westinghouse has continued to conduct its activities safely and securely, while protecting public health and the environment. Based on our current review of activities covering the period January 1, 2011 through December 31, 2012, one previously identified Area Needing Improvement (ANI) will remain open in the area of Safety Operations. Accordingly, the NRC plans to augment the core inspection program for a Category III Fuel Facility as described in NRC Inspection Manual Chapter 2600, "Fuel Cycle Facility Operational Safety and Safeguards Inspection Program," for the period of January 1, 2013 to December 31, 2014, in the area of Safety Operations—Nuclear Criticality Safety.

The ANI discussed above was initially identified during the 2009-2010 performance review period. In response to this assessment, Westinghouse developed and implemented a second Nuclear Criticality Safety Improvement Project (NCSIP-II), [ADAMS Accession Number ML110660378]. The ANI involved inconsistent identification and implementation of nuclear criticality safety controls (NCS) and improvement of NCS analyses with respect to adherence to license commitments and NCS program procedures. Completion of the second phase, NCSIP-II, was recently extended to December 31, 2014, and the schedule for revising the Integrated Safety Analysis until January 31, 2015. During the current review period, the NRC will continue to monitor and review the implementation of NCSIP-II.

The results of this performance review will be discussed during a meeting open to the public on May 21, 2013. The ANI is summarized in the enclosure to this letter. During the meeting, we expect you to discuss your view of your performance in the same major areas that the NRC evaluated, and also to provide the actions you have taken to improve your performance.

Unresolved items (URIs) were identified during the conduct of Temporary Instruction 2600/015, "Evaluation of Licensee Strategies for the Prevention and/or Mitigation of Emergencies at Fuel Facilities." The NRC intends to issue guidance on how fuel facility licensees should address the URIs in the form of a generic (or licensee specific) letter. Once addressed by the licensees, additional NRC inspection hours beyond the designated core inspection program hours may be implemented in 2013 or 2014 to address the URIs.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please refer questions and comments regarding your performance review to Mr. Marvin Sykes, Chief, Fuel Facility Inspection Branch 3, by telephone at 404-997-4629.

Sincerely,

/RA/

Anthony T. Gody, Director
Division of Fuel Facility Inspection

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

Enclosure:
Licensee Performance Review

cc w/encl: (See page 3)

The results of this review will be discussed during a meeting open to the public on May 21, 2013. The ANI identified in this review is summarized in the enclosure to this letter. During the meeting, we expect you to discuss your view of your performance in the same major areas that the NRC evaluated, and also to provide the actions you have taken to improve your performance in the area needing improvement.

Unresolved items (URIs) were opened during the conduct of Temporary Instruction 2600/015, "Evaluation of Licensee Strategies for the Prevention and/or Mitigation of Emergencies at Fuel Facilities." The NRC intends to issue guidance on how fuel facility licensees should address the URIs in the form of a generic (or licensee specific) letter. Once this guidance is addressed by licensees, additional NRC inspection hours beyond the core inspection hours may be implemented in 2013 or 2014 to address the URIs.

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ADAMS: X Yes ACCESSION NUMBER: ML13072A037 X SUNSI REVIEW COMPLETE X FORM 665 ATTACHED

OFFICE	RII:DFFI	RII:DFFI	NMSS				
SIGNATURE	MT	MS	JK				
NAME	MThomas	MSykes	JKinneman				
DATE	3/1/2013	3/5/2013	3/5/2013	3/ /2013	3/ /2013	3/ /2013	3/ /2013
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DFFI\ASSESS LPR\WEST\LPR 2013\WEC FINAL LPR
TRANSMITTAL LETTER 2013 REV1.DOCX

cc w/encl:
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Manager
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Commercial Nuclear Fuel Division
Electronic Mail Distribution

Susan E. Jenkins
Assistant Director, Division of Waste Management
Bureau of Land and Waste Management
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Electronic Mail Distribution

Letter to Mr. David Precht from Anthony T. Gody dated

SUBJECT: WESTINGHOUSE ELECTRIC COMPANY, COLUMBIA FUEL FABRICATION
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**LICENSEE PERFORMANCE REVIEW FOR WESTINGHOUSE ELECTRIC COMPANY,
COLUMBIA FUEL FABRICATION FACILITY
ASSESSMENT PERIOD: JANUARY 1, 2011 TO DECEMBER 31, 2012**

The following is a summary of the performance of Westinghouse Electric Company, Columbia Fuel Fabrication Facility in the conduct of NRC licensed activities.

PERFORMANCE AREA: SAFETY OPERATIONS

This area is comprised of operational safety, nuclear criticality safety (NCS), and fire protection.

During the Licensee Performance Review (LPR) assessment period, the following enforcement items were issued in the area of Safety Operations:

- The NRC identified a failure to establish items relied on for safety (IROFS) to reduce the likelihood of a high consequence event involving the Integral Fuel Burnable Absorber (IFBA) Filter Press. This finding was tracked as Severity Level III Violation 70-1151/2010-014-01-05.
- The NRC identified a failure to ensure that a criticality in a cylinder in the vaporizer was highly unlikely was considered a violation of NRC requirements. This finding was tracked as Severity Level IV Violation 70-1151/2011-002-02.
- The NRC identified a failure to remove a defective sling from service, IROFS UF6CYL110. This finding was tracked as Severity Level IV Violation 70-1151/2011-004-01.
- The NRC identified a failure to establish management measures that would ensure that IROFS ADUHOS-906 would perform its intended function when needed to comply with the performance requirements is considered a violation of NRC requirements. This finding was tracked as Severity Level IV Violation 70-1151/2011-005-01.

Program Areas Needing Improvement

An area needing improvement remains open in the area of Safety Operations, due to a safety significant issue. As a result of the 2009-2010 performance review period, Westinghouse developed and implemented the Nuclear Criticality Safety Improvement Project - II (NCSIP-II) to address the weaknesses noted during the review, [ADAMS Accession Number ML110660378]. During the 2011-2012 performance review period, the NRC reviewed the implementation effort for this project and determined that the basis for crediting various actions resulting from NCSIP-II was not clear as stated in Inspection Report 2012-202 [ADAMS Accession Number ML12130014]. Therefore, the area of Safety Operations continues to be a concern. The NCSIP-II was extended to December 31, 2014, and the schedule for revising the Integrated Safety Analysis until January 31, 2015. The NRC will continue to monitor and review the implementation of NCSIP-II.

Enclosure

NRC Inspection Effort

The core inspection program will continue to be augmented with additional emphasis on nuclear criticality safety inspections to evaluate the effectiveness of the NCSIP and to ensure that WEC completes necessary actions to ensure the accuracy and reliability of nuclear criticality safety analyses.

PERFORMANCE AREA: RADIOLOGICAL CONTROLS

This area is comprised of radiation protection, environmental protection, waste management, and transportation.

Program Areas Needing Improvement

None.

NRC Inspection Effort

Conduct the core inspection effort in Radiological Controls.

PERFORMANCE AREA: FACILITY SUPPORT

This area is comprised of maintenance and surveillance of safety controls, management organization and controls, operator training, emergency preparedness, emergency exercise evaluation, and permanent plant modifications

Program Areas Needing Improvement

None.

NRC Inspection Effort

Conduct the core inspection effort in Facility Support.

PERFORMANCE AREA: OTHER AREAS

This area is comprised of significant special issues, which may involve quality of licensing submittals, deviations from commitments, licensing of new processes at an existing facility, and labor difficulties.

Program Areas Needing Improvement

None

NRC Response

None