

observ. of EP drill
R2D1-1

Westinghouse Electric Corporation
ATTN: Mr. J. A. Fici, Manager
Columbia Plant
Commercial Nuclear Fuel Division
Drawer R
Columbia, SC 29250

SUBJECT: NRC INSPECTION REPORT NO. 70-1151/95-06

Gentlemen:

This refers to the inspection conducted by J. Kreh of this office on September 27-29, 1995. The inspection included a review of activities authorized for your Commercial Nuclear Fuel Division. At the conclusion of the inspection, the findings were discussed with those members of your staff identified in the enclosed report.

Areas examined during the inspection are identified in the report. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observation of activities in progress. The purpose of the inspection was to determine whether activities authorized by the license were conducted safely and in accordance with NRC requirements.

Within the scope of the inspection, violations or deviations were not identified. However, an exercise weakness was identified for failure to promptly declare an emergency once the classification criteria had been met. Your attention is directed to the discussion of this finding in Paragraph 2, of the enclosed report. We will review the effectiveness of your corrective actions for this exercise weakness during future inspections.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be placed in the NRC Public Document Room.

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

Sincerely,

Thomas Decker, Acting Chief
Plant Support Branch
Division of Reactor Safety

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

Enclosure: {See page 2}

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Westinghouse Electric Corp.

2

Enclosure: NRC Inspection Report

cc w/encl:
Wilbur Goodwin, Manager
Regulatory Affairs
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Commercial Nuclear Fuel Division
Drawer R
Columbia, SC 29250

Max Batavia, Chief
Bureau of Radiological Health
S. C. Department of Health
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2600 Bull Street
Columbia, SC 29201

Westinghouse Electric Corporation
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Report No.: 70-1151/95-06

Licensee: Westinghouse Electric Corporation
Commercial Nuclear Fuel Division
Columbia, SC 29250

Docket No.: 70-1151

License No.: SNM-1107

Facility Name: Westinghouse Electric Corporation

Inspection Conducted: September 27-29, 1995

Inspector: _____
J. L. Kreh, Radiation Specialist

Date Signed

Approved by: _____
T. R. Decker, Acting Chief
Plant Support Branch
Division of Reactor Safety

Date Signed

SUMMARY

Scope:

This routine, announced inspection involved the observation and evaluation of the licensee's biennial emergency response exercise conducted on September 28, 1995, from 9:00 a.m. to 9:55 a.m.

Results:

From an overall perspective, the licensee's emergency organization performed capably and effectively in response to the events postulated by the exercise scenario. No violations or deviations were disclosed; however, one exercise weakness was identified for failure to promptly declare the Alert classification in accordance with applicable requirements (Paragraph 2).

Enclosure

REPORT DETAILS

1. Persons Contacted

Licensee Employees

J. Fici, Plant Manager
R. Fischer, Senior Engineer, Regulatory Engineering and Operations
S. Gantt, Senior Engineer, Regulatory Engineering and Operations
W. Goodwin, Manager, Regulatory Affairs
J. Heath, Manager, Regulatory Engineering and Operations
E. Keelen, Manager, Product Assurance
E. Reitler, Senior Engineer, Regulatory Engineering and Operations

Other licensee employees contacted during this inspection included technicians, operators, security force members, and administrative personnel.

Nuclear Regulatory Commission

C. Bassett, Senior Radiation Specialist, Region II

All individuals whose names are listed in Paragraph 1 attended the exit interview with the inspector on September 29, 1995.

Abbreviations used throughout this report are defined in the last paragraph.

2. Emergency Response Exercise (88050)

Section 7.4 of the SEP required the licensee to conduct a biennial full-scale exercise involving the entire onsite ERO, and to invite the participation of offsite support organizations. The exercise on September 28, 1995, was conducted in fulfillment of this requirement, and included participation by appropriate State and local support organizations as well as the NRC.

The licensee submitted information on the scope, objectives, and scenario to the NRC several weeks prior to the exercise. This information was reviewed by the inspector and discussed with a licensee representative prior to the onsite phase of the inspection. On September 27, 1995, the inspector "walked through" the scenario with a licensee representative and reviewed the controller messages to be provided to the players. This process did not identify any significant problems or inconsistencies in the licensee's exercise preparation efforts.

The remainder of this report (as well as the Attachment) makes references to facility/equipment damage, abnormal radiological conditions, and personnel casualties, all of which were postulated to have occurred in order to effect activation of the ERO and to test the licensee's emergency response capabilities. All such conditions referenced herein were simulated, although the licensee's responses actually occurred (to the extent practicable) and were evaluated by NRC and licensee observers.

The exercise scenario involved a fire on ADU Conversion Line 1 in the Chemical Processing Area. The Attachment to this report documents the final versions of the scope, objectives, and scenario (including handwritten annotations by a licensee representative) for the September 28, 1995, exercise.

The inspector observed selected aspects of the exercise, including: (1) activation of the onsite emergency organization, (2) management of the response/mitigation efforts by the ED and his staff at the EOC, including offsite notifications, and (3) communications among onsite response personnel. On-scene and in-plant activities were not observed

Enclosure

by the inspector.

At the EOC, the licensee's response actions were observed to be generally organized and effective. Most of the required EOC personnel arrived at the facility within a few minutes of the announcement of the fire (which occurred at 9:00 a.m.). The ED declared an Alert at 9:27 a.m. Notifications were made from the EOC to State and local emergency management and the NRC within established temporal requirements.

The only significant response problem observed by the inspector concerned the

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As required by the SEP, the licensee conducted critiques during which verbal comments from controllers, observers, and principal players were received. The inspector observed the critiques and determined that they constituted a candid and thorough self-assessment. Several minor response problems were identified and will be tracked by the licensee to ensure that suitable corrective actions are implemented. Future NRC inspections will review the adequacy of those corrective actions.

No violations or deviations were identified.

3. Action on Previous Inspection Findings

- a. (Closed) IFI 70-1151/93-08-04: Review the adequacy of health physics activity

Enclosure

in the areas of personal dosimetry and documentation of survey results.

The inspector reviewed the training outline and attendance records for 1994 training of health physics response team personnel. The issues from this IFI were specifically addressed during the subject training. This item is closed on the basis of the referenced training documentation. Licensee activities in this area were not observed by the inspector during the current exercise.

- b. (Closed) IFI 70-1151/93-08-05: Review licensee actions resulting from medical response delays.

The inspector reviewed the training outline and attendance records for 1994 training of medical response personnel (three nurses). The issues from this IFI were specifically addressed during the subject training. This item is closed on the basis of this training documentation, as well as licensee evaluator observations that the medical response was "immediate" and the request for offsite emergency medical services was prompt during the current exercise.

- c. (Closed) IFI 70-1151/93-08-06: Verify use of meteorological conditions in accident assessment and protective action decisions.

During the current exercise, the inspector noted that evacuated personnel were moved from the South Assembly Point to the north side of the facility based on meteorological/radiological considerations.

- d. (Closed) IFI 70-1151/93-08-09: Verify upgrades to plant emergency notification system.

The inspector reviewed the licensee's Action Item Report on this issue. The report stated, "With the final upgrade of the fire alarm speakers to serve as a plant-wide emergency communications system, this project is completed." No problems were identified during the exercise with audibility of the fire alarm or public-address announcements.

4. Exit Interview

The inspection scope and results were summarized on September 29, 1995, with those persons indicated in Paragraph 1. The inspector described the areas inspected and discussed in detail the inspection results listed below. Dissenting comments were received from licensee management regarding the exercise weakness. The licensee stated that a few minutes were required to assess the situation, and asked what would have been different about the response if the Alert declaration had been at 9:11 a.m. or shortly thereafter. Although proprietary information was reviewed during this inspection, none is contained in this report. The following list summarizes the status of previous and current items tracked by the NRC in the area of emergency preparedness:

<u>Type</u>	<u>Number</u>	<u>Status</u>	<u>Description and Reference</u>
IFI	70-1151/93-08-04	Closed	Review the adequacy of health physics activity in the areas of personal dosimetry and documentation of survey results (Paragraph 3.a).
IFI	70-1151/93-08-05	Closed	Review licensee actions resulting from medical response delays (Paragraph 3.b).

Enclosure

IFI	70-1151/93-08-06	Closed	Verify use of meteorological conditions in accident assessment and protective action decisions (Paragraph 3.c).
IFI	70-1151/93-08-09	Closed	Verify upgrades to plant emergency notification system (Paragraph 3.d).
EW	70-1151/95-06-01	Open	Failure to promptly make an Alert declaration in accordance with the SEP and CSEP-0019 (Paragraph 2).

5. Index of Abbreviations Used in This Report

ADU	ammonium diuranate
CSEP	Columbia Site Emergency Procedure
EC	Emergency Coordinator
ED	Emergency Director
EOC	Emergency Operations Center
ERO	Emergency Response Organization
EW	Exercise Weakness
IFI	Inspector Follow-up Item
NRC	Nuclear Regulatory Commission
SEP	Site Emergency Plan

Attachment (4 pages):
Scope, Objectives, and Scenario
for the September 28, 1995 Exercise

Enclosure