

May 24, 1995

OFFICIAL RECORD COPY

Carolina Power & Light Company
ATTN: Mr. W. R. Robinson
Vice President - Harris Plant
Shearon Harris Nuclear Power Plant
P. O. Box 165, Mail Code: Zone 1
New Hill, NC 27562-0165

SUBJECT: FEMA OFFSITE EXERCISE EVALUATION FOR THE SHEARON HARRIS NUCLEAR
POWER PLANT

Gentlemen:

Please find enclosed the Federal Emergency Management Agency letter dated
May 3, 1995, that was inadvertently omitted from the letter transmitted to you
on May 19, 1995, with subject as above.

If you have any questions, please call me.

Sincerely,

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Kenneth P. Barr, Acting Chief
Radiological Protection and
Emergency Preparedness Branch
Division of Radiation Safety
and Safeguards

Docket No. 50-400
License No. NPF-63

Enclosure: Letter from FEMA dated May 3, 1995

cc w/encl:
H. W. Habermeyer, Jr.
Vice President
Nuclear Services Department
Carolina Power & Light Company
P. O. Box 1551 - Mail OHS7
Raleigh, NC 27602

cc w/encl: (Cont'd on page 2)

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PDR ADDCK 05000400
F PDR

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MA



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(cc w/encl: cont'd)
J. W. Donahue
Plant Manager - Harris Plant
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
P. O. Box 165, MC: Zone 1
New Hill, NC 27562-0165

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General Counsel - Legal Department
Carolina Power and Light Co.
P. O. Box 1551
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Dayne H. Brown, Director
Division of Radiation Protection
N. C. Department of Environmental
Commerce & Natural Resources
P. O. Box 27687
Raleigh, NC 27611-7687

Karen E. Long
Assistant Attorney General
State of North Carolina
P. O. Box 629
Raleigh, NC 27602

Public Service Commission
State of South Carolina
P. O. Box 11649
Columbia, SC 29211

Chairman of the North Carolina
Utilities Commission
P. O. Box 29510
Raleigh, NC 27626-0510

Robert P. Gruber
Executive Director
Public Staff NCUC
P. O. Box 29520
Raleigh, NC 27626

Distribution w/encl:
D. Verrelli, RII
N. Le, NRR
G. A. Hallstrom, RII
PUBLIC

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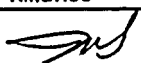
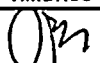
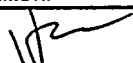


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CP&L

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(distribution w/encl: cont'd)
NRC Resident Inspector
U. S. Nuclear Regulatory Commission
5421 Shearon Harris Road
New Hill, NC 27562-9998

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Federal Emergency Management Agency

Region IV
1371 Peachtree Street, NE, Suite 700
Atlanta, GA 30309

R4-PT-TEE

May 3, 1995

Billy Ray Cameron, Director
Division of Emergency Management
116 West Jones Street
Raleigh, North Carolina 27603-1335

Dear Mr. Cameron:

The evaluation of the April 18, 1995, Shearon Harris Nuclear Power Plant exercise identified a Deficiency involving the issuance of public instructions and emergency information. As a result, a remedial exercise is required within 120 days of the exercise but not later than August 16, 1995.

The FEMA Radiological Emergency Preparedness (REP) Exercise Manual (FEMA-REP-14), September 1991, defines a Deficiency as an observed or identified inadequacy of organizational performance in an exercise that could cause a finding that offsite emergency preparedness is not adequate to provide reasonable assurance that appropriate protective measures can be taken in the event of a radiological emergency to protect the health and safety of the public living in the vicinity of a nuclear power plant. It further states, in Objective 11: Public Instructions and Emergency Information, Radiological Emergency Preparedness Exercise Manual, FEMA/REP-14, September, 1994, (page D.11-2), that: "Responsible OROs should demonstrate the capability to use familiar landmarks and boundaries to delineate the geographic area(s) covered by a protective action(s) described within an emergency message... Failure to describe such geographic areas in familiar landmarks and boundaries will result in the identification of a Deficiency. This is because of the critical importance for the public to clearly understand protective action recommendations (PAR) intended to protect its health and safety." Under the Extent-of-Play section on Page D.11-3 it also states that: These activities should be completed each time an EBS message is prepared for broadcast."

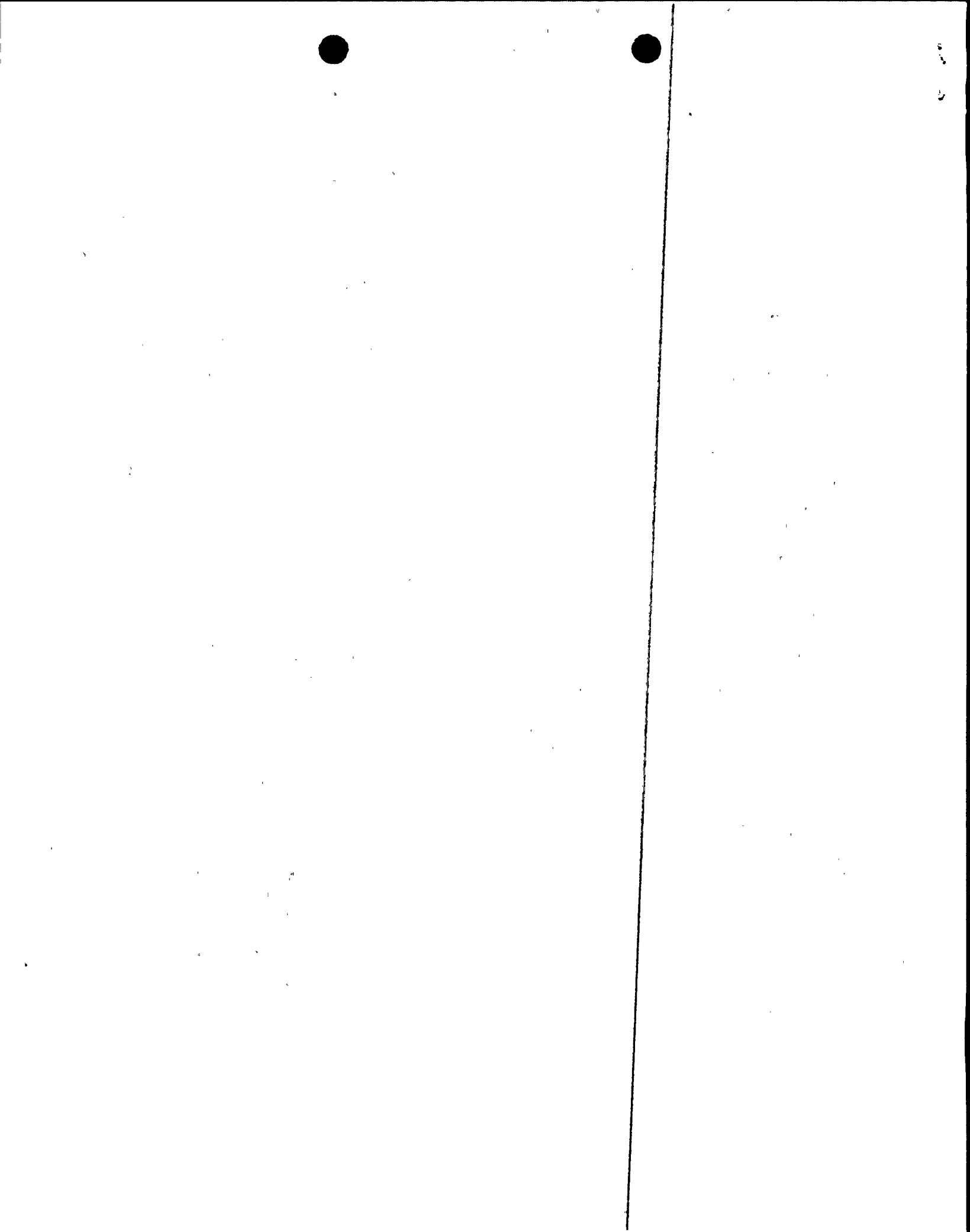
The following Deficiency has been identified for Wake County, the lead coordinating County, under Objective 11, FEMA-REP-14 (NUREG 0654/FEMA REP-1, Rev. 1.) reference is provided in parentheses at the conclusion of the description).



At 8:58 p.m., the Shearon Harris Nuclear Power Plant declared a General Emergency and recommended the Evacuation of zones A,B,C,D,K,F,G,H, and the shelter-in-place of zones E,L,I,J,M, and N. The counties discussed the recommendation from the plant and the State and decided to add zones E and L to the evacuation order. The decision occurred at 9:44 a.m., sirens were activated at 9:48 a.m. and the NOAA tone alert receivers were activated at 9:49 a.m. and the Emergency Alert System (EAS) was activated at 9:51 a.m. The EAS message did not contain geographical boundary descriptions for the zones affected by the protective action decision. The zone descriptions were read by spokespersons at the media center, and at 10:32 a.m. Wake County issued a press release giving the geographical boundary descriptions for Wake County, but did not include zone descriptions for the evacuated zones in Chatham and Harnett Counties. However, Chatham, Harnett, and Lee Counties did not issue press releases giving the geographical boundary descriptions of the zones affected by the protective actions. The plan, dated December 1993, provides pre-scripted EBS messages which include a list of the geographical boundaries for all the zones with instructions to check off the affected zones. This part of the pre-scripted messages as not used. (E.)

Discussions were held prior to the exercise between your staff and ours regarding North Carolina's plans for providing emergency information and instructions to the public. FEMA staff expressed their concerns about the ability for this type of system to work and suggested alternatives to attempt to shorten the geographical boundary descriptions, but these suggestions were not accepted. Revisions to the extent-of-play and the appropriate plan changes were not submitted to FEMA for review. The concern with limiting the length of the EAS messages to 2 minutes by North Carolina staff appears to be derived from information and regulations creating the EAS system for which implementation is to begin this July. Our discussion with a representative the Federal Communication Commission (FCC) indicated that the regulations do not provide a 2 minute limit on the length of emergency messages.

The changes proposed in the procedures for alerting and notifying the public are substantial and will need to be reviewed by the Regional Assistance Committee and may require a recertification of the Alert and Notification System including the complete procedure of assuring that the necessary emergency instructions would be broadcast to the public promptly. The intent section of Objective 12, FEMA-REP-14, states: "the media should be used in a radiological emergency information and instructions to the public. This objective pertains to the contents of dissemination to the media that parallel material in Objective 11,..."



Remedial actions include:

1. The review of plans and procedures for the development, coordination, and dissemination of emergency instructions to the public concerning protective action decisions including evacuation and in-place-sheltering. The submission of any plan changes to FEMA Region IV for review.
2. The conduct of a remedial drill no later than August 16, 1995, demonstrating the ability to include geographical boundary descriptions in EAS message(s).

Please coordinate with this office the date and time of the pertinent remedial actions within 30 days of the date of this letter.

Should you have questions, please contact Robert Perdue at 404/853-4464.

Sincerely,

KDH

Kenneth D. Hutchison
Regional Director

cc: RD
PT-TEE
Reading

PT-TEE/RPERDUE/x4464/95nc.def/bg/5-3-95

