August 27, 1997

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

SUBJECT: NRC INSPECTION REPORT 50-400/97-07 AND NOTICE OF VIOLATION

Dear Mr. Robinson:

A NRC inspection was conducted July 21 - 25, 1997, at your Harris facility. This was an inspection of your implementation of the requirements of 10 CFR 50.65, "Requirements for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants" [the Maintenance Rule]. The enclosed report presents the results of that inspection.

Your program for implementing the requirements of the Maintenance Rule followed the guidance provided in NUMARC 93-01, "Industry Guideline for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants," Revision 2, dated April 1996, which was endorsed in Regulatory Guide 1.160, "Monitoring the Effectiveness of Maintenance at Nuclear Power Plants," Revision 2, dated March 1997.

The inspection concluded that your program was comprehensive and was being effectively implemented. Strengths were noted relative to: (1) the strong operational experience level and the qualifications and training of the on-shift personnel and work control coordinators involved with assessment of safety impact when removing structures, systems, and components (SSCs) from service for maintenance; and (2) generally comprehensive, corrective actions, goals, and monitoring for all (a)(1) SSCs reviewed. Weaknesses were identified relative to: (1) the inconsistent approach to identification of functional failures for the 6.9 Kilo Volt (KV) Alternating Current (AC) system, which might mask potential generic or common-mode breaker problems; (2) assessment of the safety impact when removing SSCs from service for monitoring and preventive maintenance while in Modes 1 - 4; and (3) documentation of the basis for excluding some SSCs or functions referenced by the emergency operating procedures (EOPs) from the scope of the Rule. Two violations were identified; one relative to failure to monitor an (a)(1) system effectively and the other relative to failure to establish adequate measures to evaluate the appropriateness of the performance of preventive maintenance for two (a)(2) systems.

The violations are cited in the enclosed Notice of Violation, and the circumstances surrounding the violation are described in detail in the enclosed report. Please note that you are required to respond to this letter and should follow the instructions specified in the

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enclosed Notice when preparing your response. The NRC will use your response, in part, to determine whether further enforcement action is necessary to ensure compliance with regulatory requirements.

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

Sincerely,

ORIGINAL SIGNED BY:
JOHNS P. JAUDON

Johns P. Jaudon, Director
Division of Reactor Safety

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

Enclosures: 1. Notice of Violation
2. NRC Inspection Report
50-400/97-07

cc w/encls:
D. B. Alexander, Manager
Performance Evaluation and
Regulatory Affairs OHS7
Carolina Power & Light Company
412 S. Wilmington Street
Raleigh, NC 27601

J. W. Donahue
Director of Site Operations
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
P. O. Box 165, MC: Zone 1
New Hill, NC 27562-0165

Bo Clark
Plant General Manager - Harris Plant
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
P. O. Box 165
New Hill, NC 27562-0165

(cc w/encls cont'd - See page 3)

(cc w/encls cont'd)
J. H. Eads, Manager
Licensing/Regulatory Programs
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
P. O. Box 165, Mail Zone 1
New Hill, NC 27562-0165

W. D. Johnson, Vice President
and Senior Counsel
Carolina Power & Light Company
P. O. Box 1551
Raleigh, NC 27602

Mel Fry, Acting Director
Division of Radiation Protection
N. C. Department of Environment,
Health & Natural Resources
3825 Barrett Drive
Raleigh, NC 27609-7721

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

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Board of County Commissioners
of Chatham County
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Pittsboro, NC 27312

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of Wake County
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NRC Resident Inspector
U. S. Nuclear Regulatory Commission
5421 Shearon Harris Road
New Hill, NC 27562-9998

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