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SUBJECT: Provides 180-day response to GL 96-05, "Periodic Verification of Design-Basis Capability of SR MOVs."

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Carolina Power & Light Company
PO Box 165
New Hill NC 27562

William R. Robinson
Vice President
Harris Nuclear Plant

MAR 14 1997

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

Serial: HNP-97-032
10 CFR 50.54(f)

SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
GENERIC LETTER 96-05, "PERIODIC VERIFICATION OF
DESIGN-BASIS CAPABILITY OF SAFETY-RELATED
MOTOR-OPERATED VALVES"
180 - DAY RESPONSE

Sir or Madam:

On September 18, 1996, the NRC staff issued Generic Letter 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves." The generic letter requested that each licensee provide a written response within 60 days indicating their intentions for implementing the requested actions and a written response within 180 days providing a summary description of its MOV periodic verification program.

By letter dated November 18, 1996 Carolina Power & Light Company (CP&L) submitted the 60-day response for the Harris Nuclear Plant (HNP) indicating our intentions regarding Generic Letter 96-05. The purpose of this letter is provide the 180-day written response as requested. Please reference Enclosure 1 for a summary description of the HNP MOV periodic verification program.

If you have any questions or need additional information regarding this matter, please contact Ms. D. B. Alexander at (919) 362-3190.

Sincerely,

W. R. Robinson

9703200089 970314
PDR ADDCK 05000400
P PDR

W. R. Robinson, having been first duly sworn, did depose and say that the information contained herein is true and correct to the best of his information, knowledge and belief; and the sources of his information are employees, contractors, and agents of Carolina Power & Light Company.

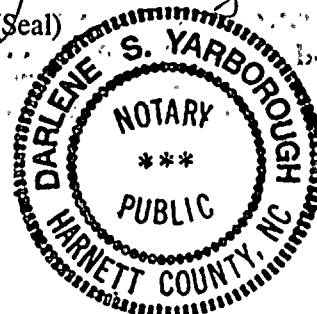
Darlene S. Yarbrough

Notary (Seal)

My commission expires: 2-6-2000

MV

- c: Mr. J. B. Brady (HNP Senior NRC Resident)
- Mr. L. A. Reyes (NRC Regional Administrator, Region II)
- Mr. N. B. Le (NRC - NRR Project Manager)



200035

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THE UNITED STATES OF AMERICA
DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

REPORT OF THE DIRECTOR OF THE FBI
ON THE ACTS OF VIOLENCE COMMITTED BY
THE BLACK PANTHER PARTY
IN THE UNITED STATES OF AMERICA
DURING THE YEARS 1966-1969

ENCLOSURE 1
SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400 / LICENSE NO. NPF-63
180-DAY RESPONSE TO NRC GENERIC LETTER 96-05
"PERIODIC VERIFICATION OF DESIGN-BASIS CAPABILITY
OF SAFETY-RELATED VALVES

CP&L's Harris Nuclear Plant intends to implement the following requested actions of Generic Letter (GL) 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves (MOV)" as outlined below:

NRC Requested Action

Each addressee of this generic letter is requested to establish a program, or to ensure the effectiveness of its current program, to verify on a periodic basis that safety-related MOVs continue to be capable of performing their safety functions within the current licensing bases of the facility. The program should ensure that changes in required performance resulting from degradation (such as those caused by age) can be properly identified and accounted for. Addressees that have developed periodic verification programs in response to GL 89-10 should review those programs to determine whether any changes are appropriate in light of the information in this generic letter.

NRC Required Response

Within 180 days from the date of this generic letter, or upon notification to the NRC of completion of GL 89-10 (whichever is later), the addressee shall submit a written summary description of its MOV periodic verification program established in accordance with the Requested Actions paragraph or the alternative course of action established by the addressee in response to item 1 above.

CP&L Response

CP&L's Harris Nuclear Plant (HNP) will implement a MOV periodic verification program that will comply with the intent of Generic Letter (GL) 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves (MOV)". HNP is a participant in the Joint Owners' Group (JOG) test program established by the Westinghouse Owners' Group and the Boiling Water Reactor Owners' Group. This program, "Topical Report MPR-1807, Joint BWR and Westinghouse Owners Group Program on Motor-Operated Valve (MOV) Periodic Verification," was submitted to the NRC on March 3, 1997.

UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

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ENCLOSURE 1
SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400 / LICENSE NO. NPF-63
180-DAY RESPONSE TO NRC GENERIC LETTER 96-05
"PERIODIC VERIFICATION OF DESIGN-BASIS CAPABILITY
OF SAFETY-RELATED VALVES

CP&L Response (continued)

HNP's current periodic verification program includes motor operated valves within the scope of the GL 89-10 program. As stated in our GL 89-10 closure letter dated February 28, 1995, this program established a periodic verification frequency of every 3 refueling outages or 5 years, utilizing a static test to confirm that each affected MOV is set up to assure that it is capable of performing its required safety function. In addition to this static retesting, by letter dated December 7, 1995, HNP committed to perform dynamic testing of approximately 10% of the GL 89-10 program gate and globe MOVs over the next three refueling outages (approximately 8-10 valves total). This additional testing would be performed under conditions similar to the original dynamic tests (i.e., pressure/flow) and be evaluated under the same program procedures as the initial differential pressure tests. During refueling outage 6, completed in October 1995, dynamic testing was completed on 5 MOVs.

HNP will continue to perform MOV periodic verification in accordance with the current program through the up-coming refueling outage currently scheduled to begin in April 1997. Following this outage HNP will transition from the current program to the periodic verification test program developed by the JOG. HNP, in cooperation with the other JOG test program plants will perform differential pressure tests on a representative population of MOVs over a period of 5 years. The population of valves in the JOG test program was selected such that it would cover the range of the key factors which may influence potential degradation. The results of these tests will be used to verify, or if necessary, to modify the criteria in the interim test program. These dynamic tests will be performed and evaluated in accordance with the uniform specifications of the JOG test program, thereby ensuring that consistent results are obtained from the various participants. An evaluation is currently in progress to determine if there are any valves at HNP which are unique or fall outside the scope of the JOG Program.

The JOG program provides for periodic assessment and evaluation of test results to ensure that findings are quickly fed back to member plants. The assessment frequency specified in the JOG program document is at least once annually. HNP will participate in the assessment and evaluation process and will adjust its periodic verification program as appropriate.

HNP commits to address any applicable safety assessment issues identified by the NRC during its review of the JOG testing program and the resulting MOV test data.

At the completion of the five year test period, the results of the JOG program will be appropriately incorporated into the HNP MOV periodic verification program.

