



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

June 24, 2011

Mr. William Jefferson, Jr.  
Vice President  
Carolina Power & Light Company  
Shearon Harris Nuclear Plant  
P.O. Box 165, Mail Zone 1  
New Hill, NC 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR PLAN, UNIT 1 - CLOSURE LETTER FOR THE LICENSEE'S RESPONSE TO GENERIC LETTER 2008-01, "MANAGING GAS ACCUMULATION IN EMERGENCY CORE COOLING, DECAY HEAT REMOVAL AND CONTAINMENT SPRAY SYSTEMS" (TAC NO. MD7816)

Dear Mr. Jefferson:

On January 11, 2008, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 2008-01, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML072910759). The stated purpose of GL 2008-01 was (a) to request addressees to submit information to demonstrate that the subject systems are in compliance with the current licensing and design bases and applicable regulatory requirements, and that suitable design, operational, and testing control measures are in place for maintaining this compliance; and, (b) to collect the requested information to determine if additional regulatory action is required.

GL 2008-01 requested that licensees provide the following information within 9 months of the date of the GL:

- a) A description of the results of evaluations that were performed pursuant to requested actions specified in the GL. This description should provide sufficient information to demonstrate that the licensee is or will be in compliance with the quality assurance criteria in Sections III, V, XI, XVI, and XVII of Appendix B to Title 10 of the *Code of Federal Regulations*, Part 50, as well as the licensing basis and operating license as those requirements apply to the subject systems;
- b) A description of all corrective actions, including plant, programmatic, procedure, and licensing basis modifications, that the licensee determined were necessary to assure compliance with these regulations; and,
- c) A statement regarding which corrective actions were completed, the schedule for completing the remaining corrective actions, and the basis for that schedule.

W Jefferson

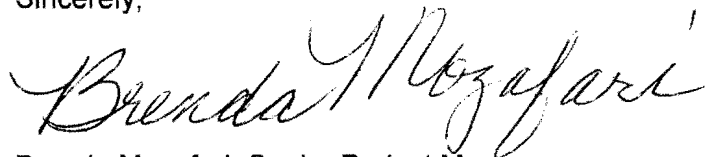
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By letters dated May 9 and October 14, 2008; August 10, 2009, and January 28, 2010 (ADAMS Accession Nos. ML081360497, ML082910295, ML092250226, and ML100430444, respectively), Carolina Power & Light Company, the licensee for the Shearon Harris Nuclear Power Plant (HNP), provided information in response to GL 2008-01. The NRC staff has reviewed the submitted information and concluded that the licensee's response to GL 2008-01 for HNP is acceptable. Consequently, HNP's GL response is considered closed and no further information or action is requested on the part of the licensee with the exception of any commitments made with respect to the GL 2008-01 responses.

Notwithstanding closure of GL 2008-01 for HNP, the NRC's Region II staff may decide to perform (and would contact the licensee to schedule) an inspection using Temporary Instruction (TI) 2515/177, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems (NRC Generic Letter 2008-01)" (ADAMS Accession No. ML082950666). TI 2515/177 is confirmatory in nature in that it directs NRC inspectors to selectively verify that the licensee has implemented or is in the process of acceptably implementing the commitments, modifications, and programmatically controlled actions described in the licensee's responses to GL 2008-01, and that the plant-specific information supports a conclusion that subject the systems' operability is reasonably ensured.

If you have any questions regarding this letter, please feel free to contact me at (301) 415-2020.

Sincerely,

A handwritten signature in black ink that reads "Brenda Mozafari". The signature is written in a cursive, flowing style.

Brenda Mozafari, Senior Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-400

cc: Distribution via Listserv

W. Jefferson

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*/RA/*

Brenda Mozafari, Senior Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-400

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