

October 20, 2006

Mr. C. J. Gannon, Vice President  
Shearon Harris Nuclear Power Plant  
Carolina Power & Light Company  
Post Office Box 165, Mail Code: Zone 1  
New Hill, North Carolina 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 - NRC RECEIPT OF CAROLINA POWER & LIGHT COMPANY'S RESPONSE TO GENERIC LETTER 2006-03, "POTENTIALLY NONCONFORMING HEMYC AND MT FIRE BARRIER CONFIGURATIONS (TAC NO. MD1585)

Dear Mr. Gannon:

The Nuclear Regulatory Commission (NRC) acknowledges the receipt of your responses, dated April 28 and June 9, 2006, to Generic Letter 2006-03, "Potentially Nonconforming Hemyc and MT Fire Barrier Configurations." Under oath and affirmation, your responses state that Shearon Harris Nuclear Power Plant, Unit 1, relies on the Hemyc and MT fire barrier systems, and you have submitted documentation that you plan to disposition any nonconforming conditions in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.48(c) process. Also, compensatory measures will remain in place until nonconforming conditions have been resolved.

Under oath and affirmation, your responses also state that other 1 or 3-hour fire barriers that separate redundant safe shutdown trains located within the same fire area have been designed and installed in accordance with current NRC guidance. Based on your response, the basis for stating that these other fire barriers have been designed and installed in accordance with current NRC guidance should be maintained on site, and will be subject to inspection during the normal NRC inspection process.

If you have any questions regarding this matter, please contact me at 301 415-2020.

Sincerely,

*/RA/*

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

Docket No. 50-400

cc: See next page

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

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NRR-106

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