



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

December 5, 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 POWER PLANT, UNIT 1 – REQUEST FOR  
ADDITIONAL INFORMATION REGARDING 60-DAY RESPONSE TO BULLETIN  
2011-01, "MITIGATING STRATEGIES" (TAC NO. ME6437)

Dear Mr. Jefferson:

On May 11, 2011, the U.S. Nuclear Regulatory Commission (NRC) issued Bulletin 2011-01, "Mitigating Strategies" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML111250360), to all holders of operating licenses for nuclear power reactors, except those that have permanently ceased operation and have certified that fuel has been removed from the reactor vessel. The purpose of the bulletin was to obtain a comprehensive verification that licensees' mitigating strategies to maintain or restore core cooling, spent fuel cooling, and containment following a large explosion or fire were compliant with Title 10 of the *Code of Federal Regulations* (10 CFR) 50.54(hh)(2). The bulletin requested information on licensee 10 CFR 50.54(hh)(2) mitigating strategies in light of the recent events at Japan's Fukushima Daiichi facility to determine if: (1) additional assessment of program implementation is needed, (2) the current inspection program should be enhanced, or (3) further regulatory action is warranted.

The bulletin required two sets of responses pursuant to the provisions of 10 CFR 50.54(f). The first responses were due 30 days after issuance of the bulletin (June 10, 2011). By letter dated June 6, 2011 (ADAMS Accession No. ML11165A010), you provided a response to the first set of questions for Shearon Harris Nuclear Power Plant. The second responses were due 60 days after issuance of the bulletin (July 11, 2011). By letter dated July 11, 2011 (ADAMS Accession No. ML11200A185), you responded to this second set of questions.

The NRC staff has reviewed the submitted information and determined that it needs additional information regarding your 60-day response to the bulletin. Please respond to the enclosed request for additional information within 30 days of the date of this letter.

W. Jefferson

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Please contact me at 301-415-2020 or by e-mail to [Brenda.Mozafari@nrc.gov](mailto:Brenda.Mozafari@nrc.gov) if you have any questions on this issue or require additional time to submit your response.

Sincerely,

***/RA by EBrown for/***

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

Docket No. 50-400

Enclosure: Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

NRC BULLETIN 2011-01, "MITIGATING STRATEGIES"

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1

PROGRESS ENERGY

DOCKET NO. 50-400

The bulletin requested that each licensee describe in detail the maintenance of equipment supporting the mitigating strategies to ensure that it will be functional when needed. Describe in detail how Shearon Harris Nuclear Plant ensures there is sufficient fuel for the pumping source, when needed.

Enclosure

W. Jefferson

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Contact me at 301-415-2020 or by e-mail to [Brenda.Mozafari@nrc.gov](mailto:Brenda.Mozafari@nrc.gov) if you have any questions on this issue or require additional time to submit your response.

Sincerely,

***/RA by EBrown for/***

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

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