

February 22, 2007

Mr. Robert J. Duncan II  
Vice President  
Carolina Power & Light Company  
P.O. Box 165, Mail Zone 1  
New Hill, NC 27562

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE  
SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1, LICENSE RENEWAL  
APPLICATION

Dear Mr. Duncan:

By letter dated November 14, 2006, Carolina Power & Light Company, (CP&L or the applicant) submitted an application pursuant to 10 CFR Part 54, to renew the operating license for Shearon Harris Nuclear Power Plant (HNP), Unit 1, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application (LRA) and has identified, in the enclosure, areas where additional information is needed to complete the review.

These requests for additional information were discussed with Roger Stewart, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-3137 or e-mail [MLH5@nrc.gov](mailto:MLH5@nrc.gov).

Sincerely,

*/RA/*  
Maurice Heath, Project Manager  
License Renewal Branch A  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure:  
Request for Additional Information

cc w/encls: See next page

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Maurice Heath, Project Manager  
License Renewal Branch A  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure:  
Request for Additional Information

cc w/encls: See next page  
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ADAMS Accession No.: **ML070510124**

OFFICE	LA:DLR	PM:RLRA:DLR	(A)BC:RLRA:DLR
NAME	S. Figueroa	MHeath	R. Schaaf
DATE	02/20/07	02/22/07	02/22/07

OFFICIAL RECORD COPY

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1  
LICENSE RENEWAL APPLICATION (LRA)  
REQUEST FOR ADDITIONAL INFORMATION (RAI)

**RAI 2.3.3.31-1**

LRA Section 2.3.3.31 describes fire protection system components. It is not clear from review of the license renewal application (LRA) Tables 2.3.3-27 and 3.3.2-27 that fire hydrants, standpipes, manual hose stations, floor drains, dikes, filter housings, fire proofing, fire wrap, orifices, valve bodies, and reactor coolant pump oil collection system components are included within the scope of license renewal and subject to an AMR.

**RAI 2.3.3.31-2**

LRA Section B.2.14 includes an aging management program (AMP) for fire barrier assemblies. It is not clear from review of the LRA Tables 2.3.3-27 and 3.3.2-27 that fire barrier walls, ceilings, floor, slabs, penetration seals, seismic joint filler, and fire doors are included within the scope of license renewal and subject to an AMR.

Enclosure

Letter to Robert J. Duncan from Maurice Heath dated February 22, 2007

DISTRIBUTION:

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SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1, LICENSE RENEWAL  
APPLICATION

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Shearon Harris Nuclear Power Plant, Unit 1

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Shearon Harris Nuclear Power Plant, Unit 12-

cc:

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