

March 20, 2007

Dr. Jeffrey J. Crow, SHPO
State Historic Preservation Officer
Division of Archives & History
4610 Mail Service Center
Raleigh, NC 27699-4610

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT LICENSE RENEWAL
APPLICATION REVIEW (SHPO NO. ER 05-2747)

Dear Dr. Crow:

The U.S. Nuclear Regulatory Commission (NRC) staff is reviewing an application to renew the operating license for Shearon Harris Nuclear Power Plant (HNP), which is located in the southwest corner of Wake County, North Carolina. The city of Raleigh, North Carolina is approximately 16 miles northeast of the plant, and the city of Sanford, North Carolina is approximately 15 miles southwest of the plant. HNP is operated by Carolina Power & Light, (CP&L) Company doing business as Progress Energy Carolinas Inc. The application for renewal was submitted by CP&L in a letter dated November 14, 2006, pursuant to Title 10 of the *Code of Federal Regulations*, Part 54 (10 CFR Part 54).

The NRC has established that, as part of the staff's review of any nuclear power plant license renewal action, a site-specific Supplemental Environmental Impact Statement (SEIS) to its "Generic Environmental Impact Statement for License Renewal of Nuclear Plants," NUREG-1437, will be prepared under the provisions of 10 CFR Part 51, the NRC regulation that implements the National Environmental Policy Act of 1969 (NEPA). In accordance with 36 CFR 800.8(c), the SEIS will include analyses of potential impacts to historic and cultural resources.

In the context of the National Historic Preservation Act of 1966, as amended, the NRC staff has determined that the area of potential effect (APE) for a license renewal action is the area at the power plant site and its immediate environs that may be impacted by post-license renewal land-disturbing operations or projected refurbishment activities associated with the proposed action. The APE may extend beyond the immediate environs in those instances where post-license renewal land-disturbing operations or projected refurbishment activities specifically related to license renewal may potentially have an effect on known or proposed historic sites. This determination is made irrespective of ownership or control of the lands of interest.

On April 18, 2007, the NRC will conduct two public NEPA scoping meetings at the New Horizons Fellowship, 820 East Williams St., Apex, North Carolina 27502. You and your staff are invited to attend. Your office will receive a copy of the draft SEIS along with a request for comments. The staff expects to publish the draft SEIS in December 2007.

J. Crow

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If you have any questions or require additional information, please contact Mr. Samuel Hernandez, Environmental Project Manager, by phone at 301-415-4049 or by email at shq@nrc.gov.

Sincerely,

/RA Jennifer Davis for/

Rani Franovich, Branch Chief
Environmental Branch B
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-400

cc: See next page

J. Crow

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If you have any questions or require additional information, please contact Mr. Samuel Hernandez, Environmental Project Manager, by phone at 301-415-4049 or by email at shq@nrc.gov.

Sincerely,

/RA Jennifer Davis for/

Rani Franovich, Branch Chief
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Office of Nuclear Reactor Regulation

Docket No. 50-400

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Shearon Harris Nuclear Power Plant
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