

July 12, 2007

Mr. Robert J. Duncan II, Vice President  
Shearon Harris Nuclear Power Plant, Unit 1  
Carolina Power & Light Company  
P.O. Box 165  
New Hill, NC 27562

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION REGARDING THE  
ENVIRONMENTAL REVIEW FOR SHEARON HARRIS NUCLEAR POWER  
PLANT LICENSE RENEWAL APPLICATION (TAC NO. MD3611)

Dear Mr. Duncan:

On November 14, 2006, Carolina Power & Light Company (CP&L) submitted an application for license renewal of the Shearon Harris Nuclear Power Plant, Unit 1 (HNP). As part of the environmental review for license renewal, the U.S. Nuclear Regulatory Commission (NRC) staff conducted an environmental site audit at the HNP during the week of June 4, 2007. In advance of the audit, NRC staff submitted (by letter dated May 21, 2007) a list of information that would facilitate the staff's review during the environmental site audit. We appreciate the efforts of your staff to make the requested information available during the audit.

During the staff's review of the information, and based on discussions with your staff, we have identified areas where additional information is needed to complete our review. Enclosed is a list of requested information. The enclosure includes a list of documents referenced in the Environmental Report that the staff needs to evaluate to complete its review; the enclosure also contains the staff's requests for additional information in the form of numbered questions.

Additionally, the NRC staff held a telephone conference call on July 11, 2007, with members of your staff to discuss a potential revision of the SAMA analysis for HNP. CP&L staff indicated that an amendment to the application to correct the SAMA analysis will be submitted to the NRC by the end of August 2007.

R. J. Duncan II

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We request that you provide your response to this request within 30 days of the date of this letter, in order to support the license renewal review schedule. If you have any questions, please contact me at 301-415-4049 or via e-mail at [shq@nrc.gov](mailto:shq@nrc.gov).

Sincerely,

*/RA/*

Samuel Hernandez, Environmental Project Manager  
Environmental Branch B  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure:  
As stated

cc w/encl: See next page

R. J. Duncan II

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cc w/encl: See next page

Adams Accession No.: **ML071660322**

OFFICE	PM:DLR:REBB	LA:DLR	BC:DLR:REBB
NAME	S. Hernandez	S. Figueroa	R. Franovich
DATE	07/11/07	07/11/07	07/12/07

OFFICIAL RECORD COPY

Letter to R. Duncan from S. Hernandez Dated July 12, 2007

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING THE ENVIRONMENTAL REVIEW FOR SHEARON HARRIS NUCLEAR POWER PLANT LICENSE RENEWAL APPLICATION (TAC NO. MD3611)

DISTRIBUTION:

**E-Mail**

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**Requests for Additional Information (RAIs)  
Regarding the Analysis of Severe Accident Mitigation Alternatives (SAMAs)  
for the Shearon Harris Nuclear Plant (HNP)**

**RAI #1** - Provide the following reference documents:

<b>Document Name</b>	<b>Identifier</b>
List of chemicals used on the grounds of the plant and transmission line corridors including, but not limited to, pesticides and herbicides.	Binder #2
Information about on-site and transmission line vegetation management program plans and any plans regarding transmission lines that cross water bodies.	Binder #3
CP&L 1998b. Threatened and Endangered Species Self-Assessment Report. Memo. August 12.	Binder #5
Progress Energy. 2001. Harris Nuclear Plant 2000 Environmental Monitoring Report. Environmental Services Section, New Hill, NC. September.	Binder #7
Progress Energy. 2003. Harris Nuclear Plant 2002 Environmental Monitoring Report. Environmental Services Section, New Hill, NC. November.	Binder #8
CP&L. 1994. Harris Nuclear Power Plant 1992 Environmental Report. Environmental Services Section, New Hill, NC.	Binder #9
Maps showing locations of known threatened and endangered (T&E) species occurrences. <b>(Provide this document for NRC Official Use Only- Not Publicly Available)</b>	Binder #13
Copies of all air permits for stationary air emission sources.	Binder #20
CP&L's database/tracking system for non-radiological waste streams	Binder #27
Copies of the Hazardous Waste permit and associated reports required by the State and a copy of the Hazardous Waste Minimization Plan.	Binder #28
CP&L's Waste Minimization/Pollution Prevention Plan.	Binder #29
If available, the NRC staff would like to see CP&L's copy of the Hazardous Material Registration Certificate, and any Emergency Planning and Community Right to Know Act (EPCRA) reports.	Binder #31
Report showing the amount of non-radiological waste generated in HNP during the last five years. Non-radiological waste includes: medical, office, hazardous, universal wastes, and sanitary wastes from the treatment plant.	Binder #33
Letter to J. Barber from B.C. Waldrep Re: Industrial Landfill Closure.	Dated 04/19/2005
Letter to B.C. Waldrep from J. Barber Re: Industrial Landfill Closure.	Dated 05/25/2005

Enclosure

Document Name	Identifier
HNP Employee residence data. September 2004.	Dated 09/01/2004
Letter from E. McCartney to Mr. Alan Klimek re: HNP 2005 Environmental Monitoring Report.	Dated 12/19/2006
NCDENR Underground Storage Tank Operating Permit Application.	ID-006715
Letter from B.C. Waldrep to Mr. K. Schuster re: NPDES #NC0039586.	Dated 02/27/2004
Letter from B.C. Waldrep to Mr. K. Schuster re: NPDES.	Dated 10/07/2004
Letter from Waldrup to Mr. K. Schuster re: Retraction of Notice of Violation.	Dated 11/17/2004
Letter from L. Rose to B.C. Waldrep re: Water Quality Monitoring Plan.	Dated 11/18/2004
Letter from B.C. Waldrep to Mr. K. Schuster re: Draft Water Quality Monitoring Plan.	Dated 08/23/2004
Letter from E. McCartney to Mr. K. Schuster re: Non-Discharge permit for pump and haul of wastewater.	Dated 04/11/2006
Letter from E. McCartney to Barry Herzberg re: Waste water pump and haul permit.	Dated 05/25/2006
Letter from B. C. Waldrep to Mr. K. Schuster re: Overflow reporting Form.	Dated 02/23/2004
Letter from E. McCartney to Mr. Holley re: Erosion Control Plan for Landscaping near Harris Plant.	Dated 08/14/2005
Letter from Benjamin to Corlett re: Shearon Harris Nuclear Power Plant (USFWS).	Dated 02/16/2006
Real Estate Department Property Environmental Due Diligence - <b>(Provide this document for NRC Official Use Only-Not Publicly Available).</b>	EVX- REDX 00002
Procedures for protection of cultural resources during operations and maintenance - <b>(Provide this document for NRC Official Use Only-Not Publicly Available).</b>	Binder #34
Reports related to original cultural resource work conducted - <b>(Provide this document for NRC Official Use Only-Not Publicly Available).</b>	Binder #36

**RAI #2** - Have there been past Notice of Violations issued to Harris regarding air pollution issues during the last 5 years? If so please provide information on the violations received.

**RAI #3** - Provide a summary compiling the annual emissions for all criteria pollutants from HNP during the last 2 years.

**RAI #4** - Provide the annual amount of solid waste generated at HNP during the last 5 years.

Shearon Harris Nuclear Power Plant, Unit 1

cc:

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Mr. David H. Corlett, Supervisor  
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Shearon Harris Nuclear Power Plant, Unit 1 -2-

cc:

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