



Serial: NPD-NRC-2009-124  
June 26, 2009

10CFR52.79

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555-0001

**SHEARON HARRIS NUCLEAR POWER PLANT, UNITS 2 AND 3  
DOCKET NOS. 52-022 AND 52-023  
SUBMITTAL OF REVISION 1 OF THE ENVIRONMENTAL REPORT**

Ladies and Gentlemen:

This letter provides the Progress Energy Carolinas, Inc.'s (PEC) update of the Part 3 Environmental Report of the COL application submitted by PEC letter NPD-NRC-2008-001, dated February 18, 2008. A prior submittal to update the Part 2 FSAR and other COL application Parts was submitted by PEC letter NPD-NRC-2009-070 on April 17, 2009. Each revision to the COL application is identified by revision bars in the margin for text and tables and by the revision number for figures.

This update includes changes identified by previous correspondence, including completed responses to requests for additional information and supplemental responses, through April 28, 2009, as well as various other updates such as correction of errata and editorial corrections.

The HAR COL application is composed of several parts. Each of these is identified below along with indication of any revision contained in this document update.

Part 1 - General and Financial Information (Revision 1 submitted April 17, 2009).

Part 2 - Final Safety Analysis Report (FSAR) (Revision 1 submitted April 17, 2009).

Part 3 - Environmental Report (Revision 1 included).

Part 4 - Technical Specifications (Revision 1 submitted April 17, 2009).

Part 5 - Emergency Planning (Revision 1 submitted April 17, 2009).

Part 6 - [Not used. Reserved for applicants requesting Limited Work Authorization (LWA)].

Part 7 - Departures and Exemption Requests (Revision 1 submitted April 17, 2009).

Part 8 - Safeguard Security Plans (Revision 1 submitted May 4, 2009).

Part 9 - Withheld Information (Revision 0 is the latest submittal).

Part 10- Proposed Combined License Conditions. (including inspections, tests, analyses, and acceptance criteria [ITAAC]) (Revision 1 submitted April 17, 2009).

Progress Energy Carolinas, Inc.  
P.O. Box 1551  
Raleigh, NC 27602

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Part 11 - Enclosures (Revision 1 submitted April 17, 2009).

A document identifying each change, as well as its source or basis, is being prepared as an aid to the NRC reviewers and will be submitted by a separate letter by July 17, 2009.

This application update contains no restricted data or national defense information requiring separation in accordance with 10 CFR 50.33.

Consistent with common licensing practice and the original application, most of the updated application text is written in the present tense, active voice, including discussions of facilities and programs not yet built or implemented. Exceptions to this approach are the discussions of operating experience and completed studies and evaluations, which are written in the past tense. It should be understood, however, that statements regarding facilities (e.g., structures, systems and components) and preconstruction, pre-operational, and operational activities (e.g., procedures and programs) typically address activities that have not yet been performed and will not be performed until it is reasonable and appropriate to do so.

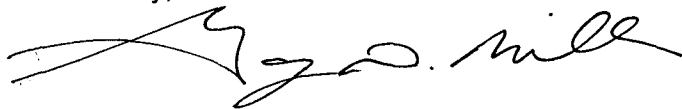
A complete set of the application documents (by Part as identified above) is provided in electronic file format on the single enclosed disk (Enclosure 1). Enclosure 1 contains the non-public version revised COL application. Appropriate pre-submission checks have been successfully performed on the files to confirm compliance with the guidelines provided on the NRC web site, which have been found acceptable for electronic submittal. A pre-flight report for Enclosure 1 is provided as Enclosure 2. The disk includes a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing. In accordance with the direction provided by NRC on June 16, 2009 (communication from Brian Hughes, NRC, to David Waters, Progress Energy), this submittal is designated as Submittal 5.

If you have any further questions, or need additional information, please contact Bob Kitchen at (919) 546-6992, or me at (919) 546-6107.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on June 26, 2009.

Sincerely,



Garry D. Miller  
General Manager  
Nuclear Plant Development

Enclosures: 1. Shearon Harris Nuclear Power Plant, Units 2 and 3 COL Application, Revision 1, Non - Public Version, (electronic submittal)  
2. Shearon Harris Nuclear Power Plant, Units 2 and 3 COL Application, Revision 1, Non - Public Version, Pre-flight Report

cc (without enclosures):

U.S. NRC Region II, Regional Administrator  
U.S. NRC Resident Inspector, SHNPP Unit 1  
Dr. Donald Palmrose, U.S. NRC Environmental Project Manager  
Mr. Brian Hughes, U.S. NRC Project Manager

bcc (without enclosures):

John Elnitsky, VP-Nuclear Plant Development  
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NPD Document Control Inbox (Records: Correspondence)  
File: NGG-NPD (Dawn Bisson)

**ENCLOSURE 2**  
**PROGRESS ENERGY HAR ENVIRONMENTAL REPORT REVISION 1 PRE-FLIGHT**  
**REPORT (NON-PUBLIC VERSION)**

This document serves as a pre-flight report for the Harris Environmental Report Revision 1 submittal nonpublic version. The following files (mostly individual figure files) do not pass pre-flight, but text is word searchable and clarity/legibility is of high quality.

No.	File Name	Preflight Status	Reason
Part 3- Environmental Report			
1	HAR_ER_APP02_04_01.pdf	File Size Exceeds 50 MB	One page figure file to comply with 300 ppi resolution requirement, file size exceeds 50 MB