



Serial: NPD-NRC-2009-244  
December 16, 2009

10 CFR 52.79

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  
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION LETTER NOS. 071 AND 072  
RELATED TO PROBABILISTIC RISK ASSESSMENT AND SEVERE ACCIDENTS**

- References:
1. Letter from Manny Comar (NRC) to James Scarola (PEC), dated November 16, 2009, "Request for Additional Information Letter No. 071 Related to SRP Section 19.0 Probabilistic Risk Assessment and Severe Accident Evaluation for the Shearon Harris Units 2 and 3 Combined License Application"
  2. Letter from Manny Comar (NRC) to James Scarola (PEC), dated November 16, 2009, "Request for Additional Information Letter No. 072 Related to SRP Section 19.0 Probabilistic Risk Assessment and Severe Accident Evaluation for the Shearon Harris Units 2 and 3 Combined License Application"

Ladies and Gentlemen:

Progress Energy Carolinas, Inc. (PEC) hereby submits responses to the Nuclear Regulatory Commission's (NRC) requests for additional information provided in the referenced letters.

The enclosures to this letter provide the PEC responses to the NRC requests. Enclosure 1 provides the responses to the questions in Letter 071. Enclosure 2 provides the responses to the questions in Letter 072. The enclosures also identify changes that will be made in a future revision of the Shearon Harris Nuclear Power Plant Units 2 and 3 application.


**The information provided in Enclosures 1 and 2 contains Security-Related Information, and accordingly, PEC requests that these enclosures be withheld from public disclosure under 10 CFR 2.390(d).**

If you have any further questions, or need additional information, please contact Bob Kitchen at (919) 546-6992, or me at (727) 820-4481.

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

Executed on December 16, 2009.

Sincerely,



John Elnitsky  
Vice President  
Nuclear Plant Development

Enclosures

cc : U.S. NRC Region II, Regional Administrator (without enclosures)  
U.S. NRC Resident Inspector, SHNPP Unit 1 (without enclosures)  
Mr. Brian Hughes, U.S. NRC Project Manager