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 50-401 Shearon Harris Nuclear Power Plant, Unit 2, Carolina 05000401
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 MCDUFFIE, M.A. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards response to NRC request for addl info re draft SER open items, including rept of control sys failures. Rept demonstrates that all single failures of control sys bounded by FSAR Chapter 15 analyses.

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Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT
UNIT NOS. 1 AND 2
DOCKET NOS. 50-400 AND 50-401
DRAFT SAFETY EVALUATION REPORT
RESPONSES TO REQUESTS FOR ADDITIONAL INFORMATION

Dear Mr. Denton:

Carolina Power & Light Company hereby transmits one original and forty copies of additional information requested by the NRC as part of the safety review of the Shearon Harris Nuclear Power Plant. The cover sheet of the attachment summarizes the related Open Items addressed in the attachment along with the corresponding review branch and reviewer for each response.

We will be providing responses to other requests for additional information shortly.

Yours very truly,

M. A. McDuffie
Senior Vice President
Nuclear Generation

JHE/lcv (8381JHE)
Enclosures

cc: Mr. B.C. Buckley (NRC)	Mr. Wells Eddleman
Mr. G.F. Maxwell (NRC-SHNPP)	Dr. Phyllis Lotchin
Mr. J. P. O'Reilly (NRC-RII)	Mr. John D. Runkle
Mr. Travis Payne (KUDZU)	Dr. Richard D. Wilson
Mr. Daniel F. Read (CHANGE/ELP)	Mr. G. O. Bright (ASLB)
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ATTACHMENT

LIST OF OPEN ITEMS/NEW ISSUES, REVIEW BRANCH AND REVIEWER

Instrumentation and Control Systems Branch/H. Li
Open Item 98

Mechanical Engineering Branch/D. Terao
Open Items 286 and 343

Meteorological and Effluent Treatment Systems Branch/J. Hayes
New Items 2, 4, and 14

(8381JHE1cv)

Shearon Harris Nuclear Power Plant
DSER Open Item 98

Identify any power source or sensors that provide power or signals to two or more control functions, and demonstrate that failures or malfunctions of these power sources or sensors will not result in consequences more severe than those of Chapter 15 analysis or beyond the capability of operator or safety systems.

Response:

Attached is the report for control systems failure at SHNPP which demonstrates that all single failures of control systems power sources, sensors, or impulse lines are clearly bounded by Chapter 15 analyses.*

* Due to their size, copies of the full-sized drawings are being given only to the reviewer.

