

JUL 24 1985

Mr. R. A. Hartfield, Chief  
Management Information Branch  
Office of Management and Program Analysis  
United States Nuclear Regulatory Commission  
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT  
UNIT NO. 1 - DOCKET NO. 50-400  
CONSTRUCTION STATUS REPORT

Dear Mr. Hartfield:

Carolina Power & Light Company hereby submits the Shearon Harris Nuclear Power Plant Construction Status Report for the second quarter of 1985. This report reflects the construction status data as of June 30, 1985.

If you have any questions regarding this matter, please contact Ms. Carol Love at (919) 836-8166.

Yours very truly,

*S. R. Zimmerman for*  
S. R. Zimmerman  
Manager  
Nuclear Licensing Section

CGL/crs (6776PUB)

Enclosure: Construction Status Report

cc: Mr. B. C. Buckley (NRC)  
Mr. G. F. Maxwell (NRC-SHNPP)  
Dr. J. Nelson Grace (NRC-RII)  
Mr. Travis Payne (KUDZU)  
Mr. Daniel F. Read (CHANGE/ELP)  
Wake County Public Library

Mr. Wells Eddleman  
Mr. John D. Runkle  
Dr. Richard D. Wilson  
Mr. G. O. Bright (ASLB)  
Dr. J. H. Carpenter (ASLB)  
Mr. J. L. Kelley (ASLB)

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PDR FOIA PDR  
CONNOR86-11

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CONSTRUCTION STATUS REPORT  
NUCLEAR POWER PLANTS

PAGE NO.: 1  
STATUS AS OF: 6/30/85

HARRIS 1

PLANT CHARACTERISTICS :

DOCKET NO: 05000400  
CP NO. & DATE ISSUED: CPR-158 / 01-27-78  
CP EXPIRATION DATE: 06-01-84\*  
APPLICANT: CAROLINA POWER & LIGHT  
PLANT LOCATION: NEW HILL, NC  
IE REGION: 11  
AE: EBASCO  
NSSS: WESTINGHOUSE  
CONSTRUCTOR: DANIEL INTERNATIONAL  
REACTOR TYPE: PWR  
DER (MWE): 900

\*Note: Letter NLS-84-73  
Dated 3/16/84 Requested  
that the CP be Amended  
to Reflect a 03-01-86  
Expiration Date.

KEY PERSONNEL :

CORPORATE CONTACT: M. A. MCDUFFIE, SEN. V. PRESIDENT  
CORPORATE ADDRESS: NUCLEAR GENERATION  
411 FAYETTEVILLE STREET  
RALEIGH, NORTH CAROLINA 27602  
CORPORATE PHONE NO: (919) 836-6663  
NRC LPM: B. C. BUCKLEY  
IE PRINCIPAL INSPECTOR:  
-CONSTRUCTION:  
-TEST AND START-UP:  
IE RESIDENT INSPECTOR : G. F. MAXWELL

INSPECTION STATUS:

REPORT NUMBER	TIME PERIOD	
	BEG DATE OF INSP.	END DATE OF INSP.

FUEL LOAD DATE CHANGES  
AS REPORTED BY UTILITY :

REPORT DATE	NEW SCHEDULE	REASON FOR CHANGE REPORTED BY UTILITY
05-07-75	06-01-83	REVISED CURRENT ENERGY AND LOAD FORECAST.
09-08-80	06-00-84	LOWER RATE GROWTH IN CUSTOMER DEMAND THAN PROJECTED.
12-16-81	12-00-84	LOWER RATE GROWTH IN CUSTOMER DEMAND THAN PROJECTED.
09-30-82	05-00-85	
12-31-82	06-00-85	
10-24-84	03-00-86	

LOCAL PUBLIC DOCUMENT ROOM :

WAKE COUNTY PUBLIC LIBRARY  
104 FAYETTEVILLE STREET  
RALEIGH, NORTH CAROLINA 27601

(6776PUB)

CONSTRUCTION STATUS REPORT  
NUCLEAR POWER PLANTS

HARRIS 1

PAGE NO.: 2  
STATUS AS OF: 6/30/85

CONSTRUCTION STATUS :

APPLICANT'S CURRENT ESTIMATED FUEL LOADING DATE: 03-00-86  
 APPLICANT'S PREVIOUS ESTIMATED FUEL LOADING DATE: 06-00-85  
 APPLICANT'S ESTIMATED FUEL LOADING DATE AT CP ISSUANCE: 09-00-80  
 APPLICANT'S CURRENT ESTIMATED COMMERCIAL OPERATION DATE: 09-00-86

APPLICANT'S CONSTRUCTION COMPLETION ESTIMATE AS  
 DEFINED IN CP: (EARLIEST) 06/01/83  
 (LATEST) 03/01/86  
 See Page 1 for  
 Change Explanation.

CURRENT ESTIMATED PERCENT CONSTRUCTION COMPLETE: 91%

COMMENTS REGARDING CURRENT CONSTRUCTION STATUS:

	<u>ESTIMATED START</u>	<u>ACTUAL START</u>	<u>ESTIMATED COMPLETION</u>	<u>ACTUAL COMPLETION</u>	<u>ESTIMATED % COMPLETE</u>
MOBILIZE AND PREPARE SITE:	01-14-74	01-14-74	01-28-78	01-28-78	100%
PLACE STRUCTURAL CONCRETE:	01-28-78	01-28-78	11-01-84	11-01-84	99%**
* INSTALL REACTOR PRESSURE VESSEL:	12-01-79	04-15-80	04-01-80	08-29-80	100%
INSTALL LARGE BORE PROCESS PIPE:	04-01-79	04-01-79	08-01-84	08-01-84	99%**
INSTALL LARGE BORE PIPE HANGERS, RESTRAINTS AND SNUBBERS:	04-01-79	04-01-79	11-00-85		81%
INSTALL SMALL BORE PIPE:	04-01-79	04-01-79	10-00-85		99%**
INSTALL CABLE TRAY	04-01-79	04-01-79	01-01-86		99%**
INSTALL EXPOSED METAL CONDUIT:	04-01-79	04-01-79	01-01-86		99%
INSTALL POWER, CONTROL, INSTRUMENTATION AND SECURITY CABLE:	03-01-81	02-26-81	10-01-85		91%
INSTALL ELECTRICAL TERMINATIONS: (POWER AND CONTROL ONLY)	01-01-82	06-15-81	03-00-86		75%
CONDUCT REACTOR COLD HYDROSTATIC TEST:	09-04-84	06-20-85	06-00-85	06-21-85	100%
CONDUCT HOT FUNCTIONAL TEST:	11-00-85		12-15-85		0%
CONDUCT PREOP AND ACCEPTANCE TEST NECESSARY FOR FUEL LOAD:	06-01-83	03-24-83	03-00-86		0%

\* RPV set including CRDM welding and upper and lower internals alignment.  
 \*\* Essentially Complete - Remaining work is inconsequential for Unit 1 follow-on work.