

FROM: <b>Carolina Power &amp; Light Company</b> <b>Raleigh, North Carolina 27602</b> <b>P. S. Colby</b>		DATE OF DOCUMENT <b>12-15-69</b>	DATE RECEIVED <b>12-16-69</b>	NO.: <b>3875</b>
		LTR. <b>X</b>	MEMO:	ORT:
		OTHER:		
TO: <b>Dr Peter A. Morris</b>		ORIG.: <b>1</b>	CC: <b>1</b>	OTHER:
		ACTION NECESSARY <input type="checkbox"/>	CONCURRENCE <input type="checkbox"/>	DATE ANSWERED
		NO ACTION NECESSARY <input type="checkbox"/>	COMMENT <input type="checkbox"/>	BY:
CLASSIF: <b>U</b>	POST OFFICE <b>REG. NO:</b>	FILE CODE: <b>50-261</b>		
DESCRIPTION: (Must Be Unclassified) <b>Ltr trans the following:</b>		REFERRED TO <b>Tedesco</b> <b>w/8 cys for ACTION</b>	DATE <b>12-16-69</b>	RECEIVED BY <b>DO NOT REMOVE</b>
		<b>DISTRIBUTION:</b>		<b>ACKNOWLEDGED</b>
ENCLOSURES: <b>AMDT # 13</b> (designated Amdt # 5 to FSAR) notarized 12-9-69 consists of Part (1) revised pages to Vol's 1-4 & remaining responses to 3-24, 11-5 & 9-17-69 ltrs Part (2) Tab IX response to 11-4-69 ltr. (3 Orig & 31 conf'd & 80 cys rec'd)		<b>Regulatory file</b>		<b>Rosen</b>
		<b>AEC PDR</b>		<b>Moore</b>
		<b>Compliance (2)</b>		<b>Howe</b>
		<b>OGC(Rm P 506A)</b>		<b>Dromerick (2)</b>
		<b>H. Price &amp; Staff</b>		<b>Collins (2)</b>
		<b>Dube/Levine</b>		<b>Case(Reading File)</b>
		<b>T. R. Wilson</b>		<b>DTIE(Laughlin)</b>
		<b>Boyd</b>		<b>NSIC(Buchanan)</b>
REMARKS: <b>CERTIFICATE OF SERVICE</b> , dtd 12-15-69 showing service of Amdt #13 upon <b>McCuen Morrell, Chmn, Darlington Bd of</b> <b>Comm, Darlington, South Carolina.</b>		<b>Skovholt(trans ltr only)</b>		<b>AEC HQS LIB J 004</b>
		<b>McManus</b>		
		<b>D. Thompson</b>		
		<b>Holding (20) cys for</b>	<b>ACRS</b>	<b>3875</b> <b>pod</b>

# Carolina Power & Light Company

Raleigh, North Carolina 27602

DATED: December 15, 1969

Regulatory

File Cy.

Dr. Peter A. Morris, Director  
Division of Reactor Licensing  
United States Atomic Energy Commission  
Washington, D. C. 20545

RE: DOCKET NO. 50-261

Dear Dr. Morris:

The Company herewith transmits 80 copies of Amendment No. 13 to the License Application for the H. B. Robinson Steam Electric Plant Unit No. 2. This Amendment, designated FSAR Amendment No. 5, contains page changes to Volumes 1 through 4 of the FSAR and a new section to be inserted as Tab IX of the FSAR.

A copy of Amendment No. 13 has been forwarded to the chief executive officer of Darlington County, South Carolina, Mr. McCuen Morrell. An original and 30 copies of the Certificate of Service of the Amendment upon Mr. Morrell also accompany this letter.

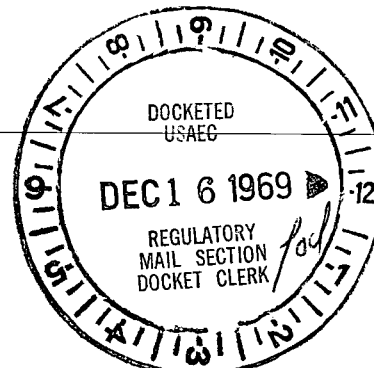
Yours very truly,



P. S. Colby  
Senior Vice President  
Engineering & Operations

PSC/bbw

Enclosures



## CAROLINA POWER &amp; LIGHT COMPANY

APPLICATION FOR

Regulatory

File Cy.

REACTOR CONSTRUCTION PERMIT AND OPERATING LICENSE

Received w/Ltr Dated 12-15-69

DOCKET NO. 50-261

AMENDMENT NO. 13

This Amendment (designated as FSAR Amendment No. 5) consists of two parts. Part 1 contains revised pages to be inserted in Volumes 1 through 4 of the FSAR. Instructions for entering these page changes are attached to this Application. Each page or figure which has been revised bears the notation "Amendment 5" at the bottom of the page. Vertical bars have been placed in the margins of the revised pages to indicate the location of the revision. Where the notation "Amendment 5" appears at the bottom of the page on which there is no vertical bar, the page revision has been extensive.

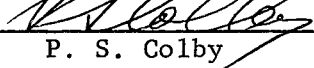
Part 1 also contains the remaining responses to letters of March 24, 1969, November 5, 1969, and September 17, 1969 by Dr. Peter A. Morris, Director, Division of Reactor Licensing. They are to be inserted in numerical order in Tabs II, VI, and VII respectively.

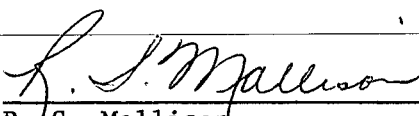
Part 2 consists of a section internally designated as Tab IX. The material under Tab IX is a response to a letter from Dr. Morris to the Applicant dated November 4, 1969. The information contained under this tab is referenced to the individual questions in Dr. Morris' letter.

Tab IX should be inserted in Volume 4.

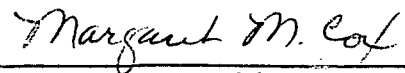
CAROLINA POWER &amp; LIGHT COMPANY

ATTEST:

By   
P. S. Colby  
Senior Vice President  
Engineering & Operations

  
R. S. Mallison  
Secretary

Sworn to and subscribed before me this 9th day of December, 1969.

  
Notary Public

My commission expires: 7-1-70

UNITED STATES OF AMERICA

ATOMIC ENERGY COMMISSION

Regulatory

File Cy.

In the Matter of )

CAROLINA POWER & LIGHT COMPANY )

Docket No. 50-261

Received w/Ltr Dated 12-15-69

CERTIFICATE OF SERVICE

This is to certify that a copy of Amendment No. 13 to the Application of Carolina Power & Light Company for a construction permit and operating license, consisting of page changes and page additions to Volumes 1 through 4 of the Final Facility Description and Safety Analysis Report (FSAR), and a new section to be inserted as Tab IX in Volume 4 of the FSAR, has this day been served on the chief executive of Darlington County, South Carolina, by deposit in the United States mail, addressed as follows:

Mr. McCuen Morrell, Chairman  
Darlington County Board of Commissioners  
County Court House  
Darlington, South Carolina

Charles D. Barham, Jr.

Charles D. Barham, Jr.  
Associate General Counsel  
Carolina Power & Light Company

Business Address: Box 1551  
336 Fayetteville Street  
Raleigh, North Carolina  
27602

Business Telephone: Area Code 919  
828-8211

Dated: December 15, 1969.

## CAROLINA POWER &amp; LIGHT COMPANY

## APPLICATION FOR

## REACTOR CONSTRUCTION PERMIT AND OPERATING LICENSE

DOCKET NO. 50-261

AMENDMENT NO. 13

This Amendment (designated as FSAR Amendment No. 5) consists of two parts. Part 1 contains revised pages to be inserted in Volumes 1 through 4 of the FSAR. Instructions for entering these page changes are attached to this Application. Each page or figure which has been revised bears the notation "Amendment 5" at the bottom of the page. Vertical bars have been placed in the margins of the revised pages to indicate the location of the revision. Where the notation "Amendment 5" appears at the bottom of the page on which there is no vertical bar, the page revision has been extensive.

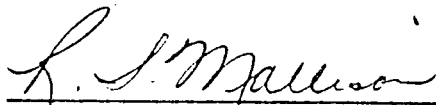
Part 1 also contains the remaining responses to letters of March 24, 1969, November 5, 1969, and September 17, 1969 by Dr. Peter A. Morris, Director, Division of Reactor Licensing. They are to be inserted in numerical order in Tabs II, VI, and VII respectively.

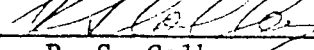
Part 2 consists of a section internally designated as Tab IX. The material under Tab IX is a response to a letter from Dr. Morris to the Applicant dated November 4, 1969. The information contained under this tab is referenced to the individual questions in Dr. Morris' letter.

Tab IX should be inserted in Volume 4.

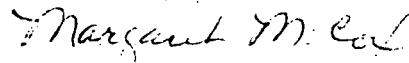
CAROLINA POWER &amp; LIGHT COMPANY

ATTEST:

  
R. S. Mallison  
Secretary

By   
P. S. Colby  
Senior Vice President  
Engineering & Operations

Sworn to and subscribed before me this 9th day of December, 1969.

  
Margaret M. Col  
Notary Public

My commission expires: 7-1-70

DISCARD OLD SHEET  
(FRONT/BACK)

---/---  
---/---  
---/---

Page 1.8-3/Page 1.8-4 ✓  
Page 1.8-5/Page 1.8-6 ✓  
Page 1.8-7/Page 1.8-8 ✓  
Figure 1.8-4/Figure 1.8-5 ✓

Figure 5.2.2-17/Figure 5.2.2-18 ✓

---/---  
---/---  
---/---

Figure 5.2.2-17/Figure 5.2.2-18

Page 6.1-1/Page 6.1-2 ✓  
Page 6.1-3/Page 6.1-4 ✓  
Page 6.1-5/Page 6.1-6 ✓  
Page 6.1-7/Page 6.1-8 ✓  
Figure 6.1-1/Figure 6.1-2 ✓  
Table 6.2-6/Table 6.2-7 ✓  
Page 6.3-5/Page 6.3-6 ✓  
Page 6.3-7/Page 6.3-8 ✓  
Page 6.3-9/Page 6.3-10 ✓  
Page 6.3-11/Page 6.3-12 ✓  
Page 6.3-17/Page 6.3-18 ✓  
Table 6.3-1/Table 6.3-2 ✓  
Figure 6.3-1/Blank ✓  
Page 6.4-7/Page 6.4-8 ✓  
Page 6.4-11/Page 6.4-11a ✓  
Page 6.4-12/Blank ✓  
Page 6.4-17/Page 6.4-18 ✓  
Table 6.4-1/Table 6.4-2 ✓  
Table 6.4-3/Table 6.4-4 ✓  
Table 6.4-4 continued/Table 6.4-5 ✓

---/---  
---/---  
---/---  
---/---  
---/---

Page 7.3-3/Page 7.3-4 ✓  
Page 7.3-7/Page 7.3-8 ✓

Table 9.2-5/Table 9.2-5 continued ✓  
Table 9.2-6/Table 9.2-6 continued ✓  
Table 9.3-4/Table 9.3-5 ✓

INSERT NEW SHEET  
(FRONT/BACK)

Letter (Amendment 13)/Blank  
Page S1/Page S2  
Page S3/Page S4  
Page 1.8-3/Page 1.8-4 ✓  
Page 1.8-5/Page 1.8-6 ✓  
Page 1.8-7/Page 1.8-8 ✓  
Figure 1.8-4/Figure 1.8-5 ✓

Figure 5.2.2-17/Figure 5.2.2-18 ✓  
Appendix 3A-1/Appendix 3A-2 *inserted behind*  
Appendix 3A-3/Appendix 3A-4 *Table 3.2.1-6*  
Appendix 3A-5/Blank  
Figure 5.2.2-17/Figure 5.2.2-18

Page 6.1-1/Page 6.1-2 ✓  
Page 6.1-3/Page 6.1-4 ✓  
Page 6.1-5/Page 6.1-6 ✓  
Page 6.1-7/Page 6.1-8 ✓  
Figure 6.1-1/Figure 6.1-2 ✓  
Table 6.2-6/Table 6.2-7 ✓  
Page 6.3-5/Page 6.3-6 ✓  
Page 6.3-7/Page 6.3-8 ✓  
Page 6.3-9/Page 6.3-10 ✓  
Page 6.3-11/Page 6.3-12 ✓  
Page 6.3-17/Page 6.3-18 ✓  
Table 6.3-1/Table 6.3-2 ✓  
Figure 6.3-1/Blank ✓  
Page 6.4-7/Page 6.4-8 ✓  
Page 6.4-11/Page 6.4-11a ✓  
Page 6.4-12/Blank ✓  
Page 6.4-17/Page 6.4-18 ✓  
Table 6.4-1/Table 6.4-2 ✓  
Table 6.4-3/Table 6.4-4  
✓Table 6.4-4 continued/Table 6.4-5  
✓Appendix 6B-1/Appendix 6B-2  
✓Appendix 6B-3/Appendix 6B-4  
✓Appendix 6B-5/Appendix 6B-6  
✓Appendix 6B-7/Appendix 6B-8  
✓Appendix Table 6B-1/Blank  
*Table 6B1*

Page 7.3-3/Page 7.3-4 ✓  
Page 7.3-7/Page 7.3-8 ✓

Table 9.2-5/Table 9.2-5 continued ✓  
Table 9.2-6/Table 9.2-6 continued ✓  
Table 9.3-4/Table 9.3-5 ✓

DISCARD OLD SHEET  
(FRONT/BACK)

Page 12-i/Page 12-2i ✓  
Page 12.1-1/Page 12.1-2 ✓  
Page 12.1-3/Page 12.1-4 ✓  
Page 12.1-5/Page 12.1-6 ✓  
Page 12.1-7/Page 12.1-8 ✓  
Page 12.1-9/Page 12.1-10 ✓  
Page 12.1-11/Page 12.1-12 ✓  
Page 12.1-12a/Page 12.1-13 ✓  
Page 12.1-14/Page 12.1-15 ✓  
Page 12.1-16/Page 12.1-17 ✓  
Page 12.1-18/Page 12.1-19 ✓  
Page 12.1-20/Page 12.1-21 ✓  
Page 12.1-22/Page 12.1-23 ✓  
Page 12.1-24/Page 12.1-25 ✓  
Page 12.1-26/Page 12.1-27 ✓  
Page 12.1-28/Page 12.1-29 ✓  
Page 12.1-30/Page 12.1-31 ✓  
Page 12.1-32/Page 12.1-33 ✓  
Page 12.1-34/Page 12.1-35 ✓  
Figure 12.1-1/Figure 12.1-2 ✓  
Figure 12.1-3/Figure 12.1-4 ✓  
Figure 12.1-5/Figure 12.1-6 ✓  
Figure 12.1-7/Figure 12.1-8 ✓  
Page 12.2-1/Page 12.2-2 ✓  
Page 12.2-3/Page 12.2-4 ✓  
Page 12.2-5/Page 12.2-6 ✓  
Figure 12.2-1/Blank ✓  
Page 12.3-1/Page 12.3-2 ✓  
Page 12.3-3/Page 12.3-4 ✓  
Page 12.3-5/Page 12.3-6 ✓  
Page 12.3-7/Blank ✓  
Page 12.4-1/Blank ✓  
Page 12.5-1/Page 12.5-2 ✓  
Page 12.5-3/Blank ✓  
Figure 12.5-1/Figure 12.5-2 ✓

TAB III

Page 6.2-1/Blank ✓  
Page 6.3-1/Blank ✓

TAB V

AI-5 TC-1/AI-5 TC-2 ✓  
AI-5 Page 1/AI-5 Page 2 ✓  
AI-5 Page 7/AI-5 Page 8 ✓  
AI-5 Page 9/AI-5 Page 10 ✓  
AI-5 Page 11/AI-5 Page 12 ✓  
AI-5 Page 13/AI-5 Page 14 ✓  
AI-5 Page 15/AI-5 Page 16 ✓

INSERT NEW SHEET  
(FRONT/BACK)

Page 12-i/Page 12-2i ✓  
Page 12.1-1/Page 12.1-2 ✓  
Page 12.1-3/Page 12.1-4 ✓  
Page 12.1-5/Page 12.1-6 ✓  
Page 12.1-7/Page 12.1-8 ✓  
Page 12.1-9/Page 12.1-10 ✓  
Page 12.1-11/Page 12.1-12 ✓  
Page 12.1-12a/Page 12.1-13 ✓  
Page 12.1-14/Page 12.1-15 ✓  
Page 12.1-16/Page 12.1-17 ✓  
Page 12.1-18/Page 12.1-19 ✓  
Page 12.1-20/Page 12.1-21 ✓  
Page 12.1-22/Page 12.1-23 ✓  
Page 12.1-24/Page 12.1-25 ✓  
Page 12.1-26/Page 12.1-27 ✓  
Page 12.1-28/Page 12.1-29 ✓  
Page 12.1-30/Page 12.1-31 ✓  
Page 12.1-32/Page 12.1-33 ✓  
Page 12.1-34/Page 12.1-35 ✓  
Figure 12.1-1/Figure 12.1-2 ✓  
Figure 12.1-3/Figure 12.1-4 ✓  
Figure 12.1-5/Figure 12.1-6 ✓  
Figure 12.1-7/Figure 12.1-8 ✓  
Page 12.2-1/Page 12.2-2 ✓  
Page 12.2-3/Page 12.2-4 ✓  
Page 12.2-5/Page 12.2-6 ✓  
Figure 12.2-1/Blank ✓  
Page 12.3-1/Page 12.3-2 ✓  
Page 12.3-3/Page 12.3-4 ✓  
Page 12.3-5/Page 12.3-6 ✓  
Page 12.3-7/Blank ✓  
Page 12.4-1/Blank ✓  
Page 12.5-1/Page 12.5-2 ✓  
Page 12.5-3/Blank ✓  
Figure 12.5-1/Figure 12.5-2 ✓

Page 6.2-1/Blank ✓  
Page 6.3-1/Blank ✓

AI-5 TC-1/AI-5 TC-2 ✓  
AI-5 Page 1/AI-5 Page 2 ✓  
AI-5 Page 7/AI-5 Page 8 ✓  
AI-5 Page 9/AI-5 Page 10 ✓  
AI-5 Page 11/AI-5 Page 12 ✓  
AI-5 Page 13/AI-5 Page 14 ✓  
AI-5 Page 15/AI-5 Page 16 ✓

DISCARD OLD SHEET  
(FRONT/BACK)

INSERT NEW SHEET  
(FRONT/BACK)

TAB II

Question 1 Page 7/Question 1 Page 2 ✓  
Question 5 Page 1/Question 5 Page 2 ✓  
Question 5 Page 3/Blank ✓

TAB VI

Letter Nov. 5 Page L1/Letter Nov. 5 Page L2 ✓  
Letter Nov. 5 Page L3/Letter Nov. 5 Page L4 ✓  
Letter Nov. 5 Page L5/Letter Nov. 5 Page L6 ✓  
Letter Nov. 5 Page L7/Letter Nov. 5 Page L8 ✓  
Letter Nov. 5 Page L9/Letter Nov. 5 Page L10 ✓  
Question 1-1B Page 1/Blank ✓  
Question 1-1C Page 1/Blank ✓  
Question 1-1G Page 1/Blank ✓  
Question 1-1H Page 1/Blank ✓  
Question 1-2A Page 1/Question 1-2A Page 2 ✓  
Question 1-2B Page 1/Question 1-2B Page 2 ✓  
Question 3-2 Page 2/Blank ✓  
Question 3-3 Page 1/Blank ✓  
Question 3-4 Page 1/Blank ✓  
Question 3-5 Page 1/Blank ✓  
Question 3-6 Page 1/Blank ✓  
Question 4-1 Page 1/Question 4-1 Page 2 ✓  
Question 4-1 Page 3/Question 4-1 Page 4 ✓  
Question 5-1 Page 1/Blank ✓  
Question 5-4 Page 1/Question 5-4 Page 2 ✓  
Question 6-4 Page 1/Blank ✓  
Question 7-1 Page 1/Question 7-1 Page 2 ✓  
Question 7-1 Page 3/Blank ✓  
Question 7-2 Page 1/Blank ✓  
Question 8-1A Page 1/Blank ✓  
Question 8-1B Page 1/Blank ✓  
Question 8-1C Page 1/Blank ✓  
Question 8-1D Page 1/Blank ✓  
Question 8-2 Page 1/Question 8-2 Page 2 ✓  
*not submitted* Question 8-2 Page 3/Question 8-2 Page 4 ✓  
Question 8-2 Page 5/Blank ✓  
Question 9-1 Page 1/Blank ✓  
Question 9-2 Page 1/Question 9-2 Page 2 ✓  
Question 9-3 Page 1/Blank ✓  
Question 9-4 Page 1/Blank ✓  
Question 9-7 Page 1/Question 9-7 Page 2 ✓  
Question 9-7 Page 3/Question 9-7 Page 4 ✓  
Question 9-7 Page 5/Question 9-7 Page 6 ✓  
Question 9-7 Page 7/Question 9-7 Page 8 ✓  
Question 9-7 Page 9/Question 9-7 Page 10 ✓  
Question 14-2-3 Page 1/Question 14-2-3 Page 2 ✓

DISCARD OLD SHEET  
(FRONT/BACK)

INSERT NEW SHEET  
(FRONT/BACK)

Question 14-2-3 Page 3/Blank ✓  
Question 14-3 Page 1/Blank ✓  
Question 14-4A Page 1/Blank ✓  
Question 14-4B Page 1/Blank ✓  
Question 14-4C Page 1/Blank ✓  
Question 14-4D Page 1/Question 14-4D Page 2 ✓

TAB VII

Question IA Page 1/Question IA Page 2 ✓  
Question IA Page 3/Blank ✓  
Question IF Page 1/Blank ✓  
Question IIIA3 Page 1/Question IIIA3 Page 2 ✓  
Question IIIB2 Page 1/Question IIIB2 Page 2 ✓  
Question IIIB5 Page 1/Blank ✓  
Question IIIC3 Page 1/Blank ✓  
Question IIID1 Page 1/Question IIID1 Page 2 ✓  
Question IIID5 Page 1/Question IIID5 Page 2 ✓  
Question IIID6 Page 1/Blank ✓  
Question IIIE1 Page 1/Question IIIE1 Page 2 ✓  
Question IIIE1 Page 3/Blank ✓  
Question IIIE2 Page 1/Blank ✓  
Figure IIIE 2-1/Figure IIIE 2-2 ✓  
Figure IIIE 2-3/Figure IIIE 2-4 ✓  
Figure IIIE 2-5/Blank ✓  
Question IIIE4 Page 1/Blank ✓  
Question IVE Page 1/Blank ✓  
Question IVG Page 1/Blank ✓

TAB VIII

Letter Page L11/Letter Page L12 ✓

TAB IX

Letter Page L13/Letter Page L14 ✓  
Question 1 Page 1/Blank ✓  
Question 2 Page 1/Blank ✓  
Question 3 Page 1/Blank ✓  
Question 4 Page 1/Question 4 Page 2 ✓  
Question 4 Page 3/Question 4 Page 4 ✓  
Question 4 Page 5/Blank ✓