

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8008130551 DOC.DATE: 80/08/07 NOTARIZED: NO DOCKET #
 FACIL:50-261 H. B. Robinson Plant, Unit 2, Carolina Power and Light 05000261
 AUTH.NAME AUTHOR AFFILIATION
 UTLEY,E.E. Carolina Power & Light Co.
 RECIP.NAME RECIPIENT AFFILIATION
 VARGA,S.A. Operating Reactors Branch 1

SUBJECT: Forwards info re loss of offsite power survey per 800609 request.

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 TITLE: Onsite Emergency Power Systems

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	OR ASSESS BR 22	1	1	POWER SYS BR	1	1
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AUG 15 1980

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Carolina Power & Light Company

File: NG-3514(R)

August 7, 1980

Serial No.: NO-80-1165

Office of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
U. S. Nuclear Regulatory Commission
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
LOSS OF OFFSITE POWER SURVEY

Dear Mr. Varga:

In Carolina Power & Light Company's response on the loss of offsite power survey, dated June 9, 1980, an extension was requested to assemble the information covering the partial loss of offsite power (loss of any transmission line).

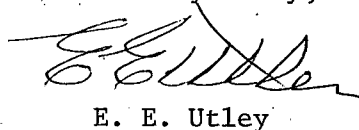
This information is now available and is included as Enclosure 1 of this letter. It should be noted that some individual transmission lines' names and functions have changed during the 1971 to 1979 period of this report.

The following lines are included:

Group 1	Robinson to Florence South	230 KV
Group 2	Robinson to Florence North	230 KV
Group 3	S. C. Public Service Auth. Tie	230 KV
Group 4	Robinson to Rockingham	230 KV
Group 5	Robinson to Sumter	230 KV
Group 6	Robinson to Sumter	115 KV
Group 7	Robinson to Florence	115 KV
Group 8	Robinson to Rockingham	115 KV
Group 9	Robinson to Camden	115 KV
Group 10	Robinson to Darlington County	230 KV

If further information is needed, please contact me.

Yours very truly,


E. E. Utley
Executive Vice President
Power Supply and
Engineering & Construction

A015
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1/1

JHE/RSM/dk
Enclosure

cc: Mr. J. D. Neighbors (NRC)

411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

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LOSS OF OFFSITE POWER SURVEY

[illegible]

(PM) Planned Maintenance

(FM) Forced Maintenance

LOSS OF OFFSITE POWER SURVEY

[illegible]

(PM) Planned Maintenance

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LOSS OF OFFSITE POWER SURVEY

[illegible]

as (PM) Planned Maintenance (FM) Forced Maintenance

LOSS OF OFFSITE POWER SURVEY

[illegible]

(PM) Planned Maintenance

(FM) Forced Maintenance

LOSS OF OFFSITE POWER SURVEY

[illegible]

(PM) Planned Maintenance

(FM) Forced Maintenance

LOSS OF OFFSITE POWER SURVEY

Date	Line	Voltage	Cause	Duration	Other Lines Affected	Voltage Disturbance	Results	Frequency Disturbance	Results
Aug.28-1978	Group 6	115 KV	FM	21 hrs 45m	NO	NO	N/A	NO	N/A
June 13-1978	Group 6	115 KV	PM	3 hrs 14m	NO	NO	N/A	NO	N/A
June 12-1976	Group 6	115 KV	Lightning	1 Min	NO	NO	N/A	NO	N/A
June 27-1976	Group 6	115 KV	FM	6 hrs 36m	NO	NO	N/A	NO	N/A
May 26-1976	Group 6	115 KV	PM	6 hrs 22m	NO	NO	N/A	NO	N/A
May 13-1976	Group 6	115 KV	PM	1 hr 35m	NO	NO	N/A	NO	N/A
March 22-1976	Group 6	115 KV	PM	2 Min	NO	NO	N/A	NO	N/A
March 23-1976	Group 6	115 KV	PM	9 hrs 2m	NO	NO	N/A	NO	N/A
June 18-1975	Group 6	115 KV	Lightning	1 Min	NO	NO	N/A	NO	N/A
Oct. 6-1974	Group 6	115 KV	PM	96 hrs 1m	NO	NO	N/A	NO	N/A
June 10-1974	Group 6	115 KV	PM	6 Min	NO	NO	N/A	NO	N/A
April 3-1974	Group 6	115 KV	PM	7 hrs 20m	NO	NO	N/A	NO	N/A
April 4-1974	Group 6	115 KV	PM	5 hrs 16m	NO	NO	N/A	NO	N/A
July 12-1973	Group 6	115 KV	Airplane	1 Min	NO	NO	N/A	NO	N/A
June 10-1973	Group 6	115 KV	FM	17 hrs 9m	NO	NO	N/A	NO	N/A
June 21-1973	Group 6	115 KV	FM	3 hrs 17m	NO	NO	N/A	NO	N/A
Oct. 11-1972	Group 6	115 KV	FM	12 hrs 11m	NO	NO	N/A	NO	N/A
Oct. 25-1972	Group 6	115 KV	PM	9 hrs 40m	NO	NO	N/A	NO	N/A
Aug.22-1972	Group 6	115 KV	FM	7 hrs 16m	NO	NO	N/A	NO	N/A
Aug.28-1972	Group 6	115 KV	FM	9 hrs 11m	NO	NO	N/A	NO	N/A
Aug.22-1971	Group 6	115 KV	FM	10 hrs 38m	NO	NO	N/A	NO	N/A
July 19-1971	Group 6	115 KV	FM	11 hrs 34m	NO	NO	N/A	NO	N/A
June 27-1971	Group 6	115 KV	PM	24 hrs 1m	NO	NO	N/A	NO	N/A

(PM) Planned Maintenance

(FM) Forced Maintenance

LOSS OF OFFSITE POWER SURVEY

Date	Line	Voltage	Cause	Duration	Other Lines Affected	Voltage Disturbance	Results	Frequency Disturbance	Results
Dec.22-1979	Group 7	115 KV	PM	36 hrs 9m	NO	NO	N/A	NO	N/A
July 5-1979	Group 7	115 KV	PM	3 hrs 27m	NO	NO	N/A	NO	N/A
Dec.30-1978	Group 7	115 KV	FM	1 Min	NO	NO	N/A	NO	N/A
Nov.1-1978	Group 7	115 KV	FM	1 Min	NO	NO	N/A	NO	N/A
Oct.15-1978	Group 7	115 KV	PM	3 hrs 27m	NO	NO	N/A	NO	N/A
Aug.7-1978	Group 7	115 KV	FM	9 hrs 52m	NO	NO	N/A	NO	N/A
July 5-1978	Group 7	115 KV	PM	4 hrs 7m		NO	N/A	NO	N/A
July 24-1978	Group 7	115 KV	FM	2 hrs 35m	NO	NO	N/A	NO	N/A
June 29-1978	Group 7	115 KV	FM	1 hr 4m	NO	NO	N/A	NO	N/A
Feb.5-1978	Group 7	115 KV	FM	1 Min	NO	NO	N/A	NO	N/A
Feb.4-1978	Group 7	115 KV	FM	9 hrs 46m	NO	NO	N/A	NO	N/A
June 12-1978	Group 7	115 KV	FM	2 hrs 29m	NO	NO	N/A	NO	N/A
Dec.1-1977	Group 7	115 KV	FM	1 Min	NO	NO	N/A	NO	N/A
Feb. 8-1977	Group 7	115 KV	Unknown	1 Min	NO	NO	N/A	NO	N/A
Dec.30-1976	Group 7	115 KV	PM	1 hr 3m	NO	NO	N/A	NO	N/A
Oct.17-1976	Group 7	115 KV	FM	1 Min	NO	NO	N/A	NO	N/A
June 29-1976	Group 7	115 KV	PM	15 hrs 40m	NO	NO	N/A	NO	N/A
Nov.12-1975	Group 7	115 KV	PM	2 hrs 5m	NO	NO	N/A	NO	N/A
Oct.4-1975	Group 7	115 KV	PM	15 hrs 42m	NO	NO	N/A	NO	N/A
March 7-1975	Group 7	115 KV	FM	5 hrs 50m	NO	NO	N/A	NO	N/A
Jan.4-1975	Group 7	115 KV	PM	25 hrs 43m	NO	NO	N/A	NO	N/A
Jan.5-1975	Group 7	115 KV	FM	1 Min	NO	NO	N/A	NO	N/A
June 9-1974	Group 7	115 KV	PM	9 hrs 3m	NO	NO	N/A	NO	N/A
Jan.20-1974	Group 7	115 KV	PM	13 hrs 41m	NO	NO	N/A	NO	N/A
Nov.16-1973	Group 7	115 KV	PM	3 hrs 9m	NO	NO	N/A	NO	N/A
Nov.23-1973	Group 7	115 KV	PM	12 hrs 57m	NO	NO	N/A	NO	N/A
Oct. 9-1973	Group 7	115 KV	PM	11 hrs 29m	NO	NO	N/A	NO	N/A

as (PM) Planned Maintenance (FM) Forced Maintenance

LOSS OF OFFSITE POWER SURVEY

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(PM) Planned Maintenance

(FM) Forced Maintenance

LOSS OF OFFSITE POWER SURVEY

Date	Line	Voltage	Cause	Duration	Other Lines Affected	Voltage Disturbance	Results	Frequency Disturbance	Results
May 31-1979	Group 8	115 KV	Lightning	8 hrs 38m	NO	NO	N/A	NO	N/A
March 5-1979	Group 8	115 KV	PM	15 hrs 5m	NO	NO	N/A	NO	N/A
March 23- ¹⁹ ₇₉	Group 8	115 KV	PM	10 hrs 26m	NO	NO	N/A	NO	N/A
Jan.14-1979	Group 8	115 KV	PM	2 hrs 8m	NO	NO	N/A	NO	N/A
July 2-1978	Group 8	115 KV	FM	9 hrs 49m	NO	NO	N/A	NO	N/A
June 3-1978	Group 8	115 KV	FM	5 hrs 26m	NO	NO	N/A	NO	N/A
May 5-1978	Group 8	115 KV	PM	24 hrs	NO	NO	N/A	NO	N/A
May 14-1978	Group 8	115 KV	PM	23 hrs 30m	NO	NO	N/A	NO	N/A
April 2-1978	Group 8	115 KV	PM	681 hrs 14m	NO	NO	N/A	NO	N/A
Jan.25-1978	Group 8	115 KV	Wind	1 Min	NO	NO	N/A	NO	N/A
July 22-1977	Group 8	115 KV	FM	4 hrs 54m	NO	NO	N/A	NO	N/A
April 17- ¹⁹ ₇₇	Group 8	115 KV	PM	8 hrs 2m	NO	NO	N/A	NO	N/A
April 24- ¹⁹ ₇₇	Group 8	115 KV	PM	2 hrs 40m	NO	NO	N/A	NO	N/A
April 25- ¹⁹ ₇₇	Group 8	115 KV	FM	3 hrs 47m	NO	NO	N/A	NO	N/A
July 27-1975	Group 8	115 KV	FM	4 hrs 22m	NO	NO	N/A	NO	N/A
Sept.22-1975	Group 8	115 KV	FM	8 hrs 25m	NO	NO	N/A	NO	N/A
Feb.18-1975	Group 8	115 KV	Lightning	1 Min	NO	NO	N/A	NO	N/A
Nov.15-1974	Group 8	115 KV	FM	3 hrs 58m	NO	NO	N/A	NO	N/A
July 21-1974	Group 8	115 KV	PM	15 hrs 30m	NO	NO	N/A	NO	N/A
July 31-1974	Group 8	115 KV	Unknown	1 Min	NO	NO	N/A	NO	N/A
May 29-1974	Group 8	115 KV	PM	17 hrs	NO	NO	N/A	NO	N/A
May 30-1974	Group 8	115 KV	PM	13 Min	NO	NO	N/A	NO	N/A
Aug.25-1973	Group 8	115 KV	FM	20 hrs 35m	NO	NO	N/A	NO	N/A
April 1-1973	Group 8	115KV	FM	23 hrs	NO	NO	N/A	NO	N/A
Oct. 14-1973	Group 8	115 KV	FM	6 hrs 8m	NO	NO	N/A	NO	N/A
Sept.13-1972	Group 8	115 KV	FM	10 hrs 29m	NO	NO	N/A	NO	N/A
Sept.29-1972	Group 8	115 KV	PM	13 hrs 41m	NO	NO	N/A	NO	N/A
Aug.9-1972	Group 8	115 KV	PM	2 hrs 40m	NO	NO	N/A	NO	N/A

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(PM) Planned Maintenance

(FM) Forced Maintenance

LOSS OF OFFSITE POWER SURVEY

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(PM) Planned Maintenance

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LOSS OF OFFSITE POWER SURVEY

Date	Line	Voltage	Cause	Duration	Other Lines Affected	Voltage Disturbance	Results	Frequency Disturbance	Results
July 18-1979	Group 9	115 KV	FM	7 hrs 18m	NO	NO	N/A	NO	N/A
Feb.7-1979	Group 9	115 KV	Unknown	1 Min	NO	NO	N/A	NO	N/A
May 6-1977	Group 9	115 KV	Unknown	1 Min	NO	NO	N/A	NO	N/A
May 26-1977	Group 9	115 KV	Lightning	1 Min	NO	NO	N/A	NO	N/A
Nov.22-1976	Group 9	115 KV	PM	2 hrs 2m	NO	NO	N/A	NO	N/A
May 13-1976	Group 9	115 KV	Lightning	1 Min	NO	NO	N/A	NO	N/A
April 17-1975	Group 9	115 KV	PM	10 hrs 23m	NO	NO	N/A	NO	N/A
July 4-1975	Group 9	115 KV	FM	4 hrs 54m	NO	NO	N/A	NO	N/A
Aug.13-1974	Group 9	115 KV	FM	11 hrs 52m	NO	NO	N/A	NO	N/A
May 30-1974	Group 9	115 KV	Lightning	1 Min	NO	NO	N/A	NO	N/A
Dec.13-1973	Group 9	115 KV	FM	3 hrs 50m	NO	NO	N/A	NO	N/A
Aug.12-1973	Group 9	115 KV	PM	13 hrs 25m	NO	NO	N/A	NO	N/A
June 30-1973	Group 9	115 KV	FM	7 hrs 23m	NO	NO	N/A	NO	N/A
Sept.28-1972	Group 9	115 KV	FM	3 hrs 24m	NO	NO	N/A	NO	N/A
July 4-1972	Group 9	115 KV	FM	4 hrs 3m	NO	NO	N/A	NO	N/A
July 14-1972	Group 9	115 KV	Lightning	1 Min	NO	NO	N/A	NO	N/A
Jan.13-1972	Group 9	115 KV	FM	15 hrs 40m	NO	NO	N/A	NO	N/A
Oct.16-1971	Group 9	115 KV	FM	15 hrs 52m	NO	NO	N/A	NO	N/A
Oct. 7-1971	Group 9	115 KV	PM	17 hrs 26m	NO	NO	N/A	NO	N/A
June27-1971	Group 9	115 KV	FM	17 hrs 52m	NO	NO	N/A	NO	N/A
March12-1971	Group 9	115 KV	PM	29 hrs 24m	NO	NO	N/A	NO	N/A
March21-1971	Group 9	115 KV	PM	1 hr 50m	NO	NO	N/A	NO	N/A

(PM) Planned Maintenance

(FM) Forced Maintenance

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