

50-400/401/402/403
FILE NUMBER

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO: MR B C RUSCHE

FROM: CP&L
RALEIGH, NC
S H SMITH, JR

DATE OF DOCUMENT

9-7-76

DATE RECEIVED

9-9-76

☒ LETTER
☒ ORIGINAL
☐ COPY

☒ NOTORIZED
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1 Signed

DESCRIPTION LTR NOTORIZED 9-7-76 TRANS THE
FOLLOWING.....

APPENDIX I DISTRIBUTION AFTER ISSUANCE
OF A LICENSE

PLANT NAME: Shearon Harris
1-2-3-4

ENCLOSURE

JOINT WIND FREQUENCY DISTRIBUTION TABLES
COMPILED FROM ON-SITE DATA COLLECTED
THE PERIOD JAN 15, 76 THRU JULY 15, 76.....

CERTIFICATE OF SERVICE SHOWING SVC OF SUBMIT-
TING ADDITIONAL METEOROLOGICAL INFO UPON
MR VASSAR P. SHEARON, CHAIRMAN BOARD OF COUNTY
COMMISSIONERS OF WAKE COUNTY RALEIGH, NC.....
ET.....AL.....

ACKNOWLEDGED
DO NOT REMOVE

SAFETY

FOR ACTION/INFORMATION

9-10-76 RB

☒ BRANCH CHIEF: (3)

PARR

☒ PROJECT MANAGER:

RUSHBROOK

LIC. ASST:

INTERNAL DISTRIBUTION

☒ REG FILE
☒ NRC PDR
☒ I & E (2)
☒ OELD
☒ GOSSICK & STAFF
☒ BUTLER
☒ GRIMES
☒ DENTON (LTR)
☒ BALLARD
☒ GAMMILL
☒ HULMAN
☒ MARKEE
☒ J. COLLINS (2)
☒ KREGER
☒ VERDERY

EXTERNAL DISTRIBUTION

☒ LPDR: Raleigh, NC
☒ TIC:
☒ NSIC:
☒ ACRS 16 HOLDING SENT

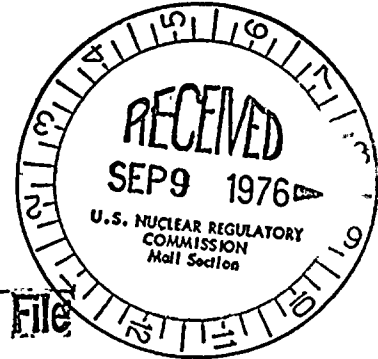
CONTROL NUMBER

9170



Carolina Power & Light Company

September 7, 1976



Mr. Benard C. Rusche, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555


Regulatory Docket File

SHEARON HARRIS NUCLEAR POWER PLANT UNIT NOS. 1, 2, 3 and 4
DOCKET NOS. 50-400, 50-401, 50-402, and 50-403
METEOROLOGICAL INFORMATION

Dear Mr. Rusche:

In the continuing effort to provide your staff current meteorological information to support review of Shearon Harris Nuclear Power Plant's compliance with 10CFR50 Appendix I, Carolina Power & Light Company (CP&L) hereby transmits joint wind frequency distribution tables compiled from on-site data collected between the period January 15, 1976, through July 15, 1976. Additional wind frequency information will be supplied to your staff as it becomes available.

Yours very truly,

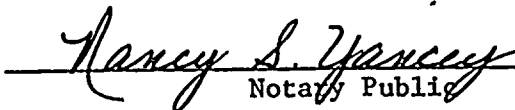

Sherwood H. Smith, Jr.
Executive Vice President - Administration



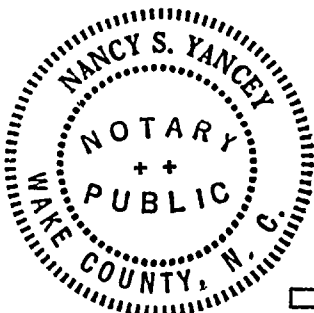
SHS/dkm

Attachment

Sworn to and subscribed before me this 7th day of September, 1976.


Nancy S. Yancey
Notary Public

My Commission expires: June 29, 1981



9170

SHEARON HARRIS NUCLEAR POWER PLANT
JOINT WIND FREQUENCY DISTRIBUTION
JANUARY 15 - JULY 15, 1976

The attached tables are joint distributions of wind direction and speed by stability class prepared from on-site data collected during the period January 15 to July 15, 1976. The first eight tables are for the upper (60 meter) sensor level; the remaining tables for the lower (10 meter) level. Tables for each of the Pasquill stability categories and a summary of all categories are included for each sensor level.

Pertinent information from the tables is as follows:

1. Data Recovery (Percent)

10-meter level = 94.4
60-meter level = 93.4
Major data loss associated with a lightning strike to tower in April 1976.

2. Occurrence of Stability Categories (Percent)

	Pasquill Category						
	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>
10-meter level	8.6	4.0	4.4	26.3	24.8	12.5	19.5

3. Average Wind Speed (Miles Hour⁻¹)

	Pasquill Category							All
	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>Categories</u>
10-meter level	8.0	7.3	7.1	6.2	4.8	2.8	1.6	5.2
60-meter level	9.4	9.6	9.1	9.0	9.5	9.1	7.4	9.5

4. Wind Speed Distribution (Percent Each Range)

<u>Speed Range (miles hour⁻¹)</u>	<u>10-Meter</u>	<u>60-Meter</u>
CALM	7.1	0.4
0.75 - 3.5	34.0	6.5
3.5 - 7.5	37.9	27.2
7.5 - 12.5	18.4	44.4
12.5 - 18.5	2.5	18.8
18.5 - 25.0	0.2	2.3
Greater than 25.0	0.0	0.4

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND SPEED
FOR THE PERIOD 12:00 AM 1/15/76 TO 11:00 PM 7/15/76

STABILITY CLASS A
STABILITY CALCULATED FROM DIFF. TEMPERATURE #1+2

HARRIS UN-SITE METEOROLOGICAL FACILITY

UPPER WIND DIRECTION	CALM	SPEED CLASS(MPH)						TOTAL	AVG. WIND SPEED
		0.75- 3.5	3.5- 7.5	7.5-12.5	12.5-18.5	18.5-25.0	GREATER THAN 25.0		
N	0.0	0.2452E-01	0.2207E+00	0.3923E+00	0.7357E-01	0.0	0.0	0.7111E+00	0.8751E+01
NNE	0.0	0.2452E-01	0.1717E+00	0.1471E+00	0.4904E-01	0.0	0.0	0.3923E+00	0.7899E+01
NE	0.0	0.0	0.4904E-01	0.1226E+00	0.2452E-01	0.7357E-01	0.0	0.2697E+00	0.1244E+02
ENE	0.0	0.0	0.4904E-01	0.0	0.0	0.0	0.0	0.4904E-01	0.5840E+01
E	0.0	0.0	0.4904E-01	0.0	0.0	0.0	0.0	0.4904E-01	0.4290E+01
ESE	0.0	0.0	0.4904E-01	0.0	0.2452E-01	0.0	0.0	0.7357E-01	0.8027E+01
SE	0.0	0.0	0.2452E-01	0.0	0.0	0.0	0.0	0.2452E-01	0.6580E+01
SSE	0.0	0.0	0.9809E-01	0.2452E-01	0.2452E-01	0.0	0.0	0.1471E+00	0.8248E+01
S	0.0	0.4904E-01	0.9809E-01	0.4904E-01	0.2452E-01	0.2452E-01	0.2452E-01	0.2697E+00	0.9978E+01
SSW	0.0	0.2452E-01	0.1226E+00	0.3678E+00	0.3678E+00	0.4904E-01	0.0	0.9318E+00	0.1186E+02
SW	0.0	0.9809E-01	0.3678E+00	0.5885E+00	0.7847E+00	0.1962E+00	0.4904E-01	0.2084E+01	0.1243E+02
WSW	0.0	0.4904E-01	0.1717E+00	0.5885E+00	0.2943E+00	0.7357E-01	0.2452E-01	0.1202E+01	0.1155E+02
W	0.0	0.0	0.1226E+00	0.1471E+00	0.1226E+00	0.2452E-01	0.0	0.4169E+00	0.1028E+02
WNW	0.0	0.2452E-01	0.1226E+00	0.1471E+00	0.2943E+00	0.4904E-01	0.0	0.6866E+00	0.1303E+02
NW	0.0	0.2452E-01	0.2207E+00	0.1962E+00	0.9809E-01	0.2452E-01	0.0	0.5640E+00	0.9220E+01
NNW	0.0	0.4904E-01	0.1226E+00	0.2207E+00	0.2207E+00	0.0	0.0	0.6130E+00	0.1017E+02
TOTAL	0.0	0.3678E+00	0.2060E+01	0.2992E+01	0.2403E+01	0.5640E+00	0.9809E-01	0.8485E+01	0.9412E+01
NUMBER OF CALMS = 0									
NUMBER OF BAD HOURS = 243									

STABILITY CLASS B
STABILITY CALCULATED FROM DIFF. TEMPERATURE #1+2

HARRIS UN-SITE METEOROLOGICAL FACILITY

UPPER WIND DIRECTION		CALM	0.75- 3.5	3.5- 7.5	SPEED CLASS(MPH)		7.5-12.5	12.5-18.5	18.5-25.0	GREATER THAN 25.0	TOTAL	AVG. WIND SPEED
N	0.0		0.2452E-01	0.1226E+00	0.1717E+00	0.0		0.0	0.0	0.0	0.3188E+00	0.7973E+01
NNE	0.0		0.0	0.4904E-01	0.2452E-01	0.7357E-01	0.0		0.0	0.0	0.1471E+00	0.1111E+02
NE	0.0		0.0	0.9809E-01	0.1226E+00	0.0		0.2452E-01	0.0	0.0	0.2452E+00	0.8956E+01
ENE	0.0		0.2452E-01	0.7357E-01	0.2452E-01	0.0		0.0	0.0	0.0	0.1226E+00	0.5192E+01
E	0.0		0.2452E-01	0.4904E-01	0.0	0.0		0.0	0.0	0.0	0.7357E-01	0.4053E+01
ESE	0.0		0.2452E-01	0.4904E-01	0.2452E-01	0.0		0.0	0.0	0.0	0.9809E-01	0.6460E+01
SE	0.0		0.0	0.7357E-01	0.2452E-01	0.0		0.0	0.0	0.0	0.9809E-01	0.6955E+01
SSE	0.0		0.0	0.4904E-01	0.2452E-01	0.0		0.0	0.0	0.0	0.7357E-01	0.7370E+01
S	0.0		0.0	0.4904E-01	0.7357E-01	0.9809E-01	0.0		0.0	0.0	0.2207E+00	0.1223E+02
SSW	0.0		0.0	0.4904E-01	0.1962E+00	0.1717E+00	0.0		0.0	0.0	0.4169E+00	0.1147E+02
SW	0.0		0.0	0.1471E+00	0.2452E+00	0.3188E+00	0.2452E-01	0.2452E-01			0.7602E+00	0.1220E+02
WSW	0.0		0.2452E-01	0.2452E-01	0.2452E+00	0.2452E+00	0.0		0.4904E-01		0.5865E+00	0.1346E+02
W	0.0		0.0	0.4904E-01	0.0	0.4904E-01	0.4904E-01	0.2452E-01			0.1717E+00	0.1550E+02
WNW	0.0		0.0	0.2452E-01	0.1226E+00	0.2452E-01	0.0		0.0		0.1717E+00	0.1054E+02
NW	0.0		0.0	0.7357E-01	0.7357E-01	0.1471E+00	0.2452E-01	0.0			0.3188E+00	0.1172E+02
NNW	0.0		0.2452E-01	0.7357E-01	0.4904E-01	0.2452E-01	0.0		0.0		0.1717E+00	0.7684E+01
TOTAL	0.0		0.1471E+00	0.1054E+01	0.1422E+01	0.1153E+01	0.1226E+00	0.9809E-01			0.3997E+01	0.9555E+01
NUMBER OF CALMS = 0												
NUMBER OF BAD HOURS = 1												

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND SPEED
FOR THE PERIOD 12100 AM 1/15/76 TO 11100 PM 7/15/76

STABILITY CLASS C
STABILITY CALCULATED FROM DIFF. TEMPERATURE #1+2

HARRIS UN-SITE METEOROLOGICAL FACILITY

UPPER WIND DIRECTION	CALM	SPEED CLASS(MPH)						TOTAL	AVG. WIND SPEED
		0.75- 3.5	3.5- 7.5	7.5-12.5	12.5-18.5	18.5-25.0	GREATER THAN 25.0		
N	0.0	0.2452E-01	0.1471E+00	0.1471E+00	0.2452E-01	0.0	0.0	0.3433E+00	0.7766E+01
NNE	0.0	0.0	0.7357E-01	0.7357E-01	0.0	0.0	0.0	0.1471E+00	0.7513E+01
NE	0.0	0.0	0.7357E-01	0.7357E-01	0.2452E-01	0.2452E-01	0.0	0.1962E+00	0.1043E+02
ENE	0.0	0.2452E-01	0.0	0.2452E-01	0.0	0.0	0.0	0.4904E-01	0.6680E+01
E	0.0	0.2452E-01	0.2452E-01	0.0	0.0	0.0	0.0	0.4904E-01	0.4465E+01
ESE	0.0	0.2452E-01	0.4904E-01	0.0	0.0	0.0	0.0	0.7357E-01	0.4910E+01
SE	0.0	0.0	0.1226E+00	0.4904E-01	0.0	0.0	0.0	0.1717E+00	0.6657E+01
SSE	0.0	0.0	0.9809E-01	0.2452E-01	0.4904E-01	0.0	0.0	0.1717E+00	0.8967E+01
S	0.0	0.2452E-01	0.7357E-01	0.1471E+00	0.2452E-01	0.4904E-01	0.0	0.3188E+00	0.9965E+01
SSW	0.0	0.2452E-01	0.1717E+00	0.1962E+00	0.1471E+00	0.0	0.2452E-01	0.5640E+00	0.1018E+02
SW	0.0	0.0	0.9809E-01	0.2207E+00	0.2452E+00	0.7357E-01	0.0	0.6376E+00	0.1241E+02
WSW	0.0	0.2452E-01	0.7357E-01	0.2697E+00	0.1962E+00	0.7357E-01	0.2452E-01	0.6621E+00	0.1225E+02
W	0.0	0.2452E-01	0.4904E-01	0.7357E-01	0.7357E-01	0.9809E-01	0.0	0.3188E+00	0.1349E+02
WNW	0.0	0.0	0.9809E-01	0.2452E-01	0.9809E-01	0.0	0.0	0.2207E+00	0.1120E+02
NW	0.0	0.0	0.9809E-01	0.9809E-01	0.9809E-01	0.0	0.0	0.2943E+00	0.9418E+01
NNW	0.0	0.0	0.4904E-01	0.1962E+00	0.2452E-01	0.0	0.0	0.2697E+00	0.9529E+01
TOTAL	0.0	0.1962E+00	0.1300E+01	0.1618E+01	0.1005E+01	0.3188E+00	0.4904E-01	0.4487E+01	0.9127E+01
NUMBER OF CALMS = 0									
NUMBER OF BAD HOURS = 0									

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND SPEED
FOR THE PERIOD 12:00 AM 1/15/76 TO 11:00 PM 7/15/76

STABILITY CLASS F
STABILITY CALCULATED FROM DIFF. TEMPERATURE #1+2

HARRIS UN-SITE METEOROLOGICAL FACILITY

UPPER WIND DIRECTION	CALM	0.75- 3.5	3.5- 7.5	7.5-12.5	12.5-18.5	18.5-25.0	GREATER THAN 25.0	TOTAL	AVG. WIND SPEED
N	0.0	0.2452E-01	0.1226E+00	0.2697E+00	0.2452E+00	0.0	0.0	0.6621E+00	0.1084E+02
NNE	0.0	0.0	0.9809E-01	0.2207E+00	0.0	0.0	0.0	0.3188E+00	0.8365E+01
NE	0.0	0.4904E-01	0.7357E-01	0.1962E+00	0.2452E-01	0.0	0.0	0.3433E+00	0.8325E+01
ENE	0.0	0.0	0.0	0.1226E+00	0.4904E-01	0.0	0.0	0.1717E+00	0.1165E+02
E	0.0	0.2452E-01	0.0	0.1717E+00	0.0	0.0	0.0	0.1962E+00	0.8882E+01
ESE	0.0	0.2452E-01	0.1226E+00	0.1717E+00	0.4904E-01	0.0	0.0	0.3678E+00	0.7820E+01
SE	0.0	0.0	0.9809E-01	0.3923E+00	0.0	0.0	0.0	0.4904E+00	0.8611E+01
SSE	0.0	0.2452E-01	0.1962E+00	0.2943E+00	0.2452E-01	0.0	0.0	0.5395E+00	0.8054E+01
S	0.0	0.2452E-01	0.3678E+00	0.7357E+00	0.2207E+00	0.0	0.0	0.1349E+01	0.9222E+01
SSW	0.2452E-01	0.7357E-01	0.4414E+00	0.1986E+01	0.4659E+00	0.0	0.0	0.2992E+01	0.9819E+01
SW	0.2452E-01	0.1226E+00	0.4169E+00	0.1569E+01	0.1717E+00	0.0	0.0	0.2305E+01	0.8636E+01
WSW	0.2452E-01	0.7357E-01	0.1962E+00	0.3678E+00	0.4904E-01	0.0	0.0	0.7111E+00	0.8162E+01
W	0.0	0.0	0.1962E+00	0.1717E+00	0.1226E+00	0.0	0.0	0.4904E+00	0.8744E+01
WNW	0.2452E-01	0.7357E-01	0.1471E+00	0.3433E+00	0.2452E-01	0.0	0.0	0.6130E+00	0.8659E+01
NW	0.0	0.2452E-01	0.4904E-01	0.2452E+00	0.1226E+00	0.0	0.0	0.4414E+00	0.1006E+02
NNW	0.0	0.0	0.1717E+00	0.3433E+00	0.1226E+00	0.0	0.0	0.6376E+00	0.9813E+01
TOTAL	0.9809E-01	0.5395E+00	0.2697E+01	0.7602E+01	0.1692E+01	0.0	0.0	0.1263E+02	0.9129E+01
NUMBER OF CALMS -	0								
NUMBER OF BAD HOURS -	6								

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND SPEED
FOR THE PERIOD 12:00 AM 1/15/76 TO 11:00 PM 7/15/76

STABILITY CLASS B
STABILITY CALCULATED FROM DIFF. TEMPERATURE #1+2

HARRIS ON-SITE METEOROLOGICAL FACILITY

LOWER WIND DIRECTION	CALM	SPEED CLASS(MPH)						TOTAL	AVG. WIND SPEED
		0,75- 3,5	3,5- 7,5	7,5-12,5	12,5-18,5	18,5-25,0	GREATER THAN 25,0		
N	0,0	0,0	0,2426E+00	0,7278E-01	0,0	0,0	0,0	0,3154E+00	0,6142E+01
NNE	0,0	0,2426E-01	0,7278E-01	0,4852E-01	0,0	0,0	0,0	0,1456E+00	0,6640E+01
NE	0,0	0,0	0,1456E+00	0,7278E-01	0,2426E-01	0,0	0,0	0,2426E+00	0,7569E+01
ENE	0,0	0,0	0,9704E-01	0,0	0,0	0,0	0,0	0,9704E-01	0,5705E+01
E	0,0	0,0	0,2426E-01	0,0	0,0	0,0	0,0	0,2426E-01	0,3770E+01
ESE	0,0	0,2426E-01	0,2426E-01	0,0	0,0	0,0	0,0	0,4852E-01	0,4250E+01
SE	0,0	0,0	0,7278E-01	0,4852E-01	0,0	0,0	0,0	0,1213E+00	0,7290E+01
SSE	0,0	0,0	0,4852E-01	0,0	0,0	0,0	0,0	0,4852E-01	0,5055E+01
S	0,0	0,0	0,4852E-01	0,1213E+00	0,2426E-01	0,0	0,0	0,1941E+00	0,9540E+01
SSW	0,0	0,0	0,1213E+00	0,2426E+00	0,0	0,0	0,0	0,3639E+00	0,7790E+01
SW	0,0	0,2426E-01	0,2183E+00	0,3639E+00	0,9704E-01	0,4852E-01	0,0	0,7521E+00	0,9837E+01
WSW	0,0	0,7278E-01	0,1456E+00	0,3154E+00	0,0	0,0	0,0	0,5337E+00	0,7750E+01
W	0,0	0,2426E-01	0,7278E-01	0,1941E+00	0,2426E-01	0,0	0,0	0,3154E+00	0,8803E+01
WNW	0,0	0,0	0,7278E-01	0,1213E+00	0,7278E-01	0,0	0,0	0,2669E+00	0,1025E+02
NW	0,0	0,0	0,9704E-01	0,1941E+00	0,0	0,0	0,0	0,2911E+00	0,8464E+01
NNW	0,0	0,0	0,1213E+00	0,7278E-01	0,2426E-01	0,0	0,0	0,2183E+00	0,7350E+01
TOTAL	0,0	0,1698E+00	0,1625E+01	0,1868E+01	0,2669E+00	0,4852E-01	0,0	0,5979E+01	0,7204E+01
NUMBER OF CALMS = 0									
NUMBER OF BAD HOURS = 0									

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND SPEED
FOR THE PERIOD 12:00 AM 1/15/76 TO 11:00 PM 7/15/76

STABILITY CLASS F
STABILITY CALCULATED FROM DIFF. TEMPERATURE #1+2

HARRIS UN-SITE METEOROLOGICAL FACILITY

DIRECTION	CALM	SPEED CLASS(MPH)						TOTAL	AVG. WIND SPEED
		0.75- 3.5	3.5- 7.5	7.5-12.5	12.5-18.5	18.5-25.0	GREATER THAN 25.0		
N	0.0	0.2669E+00	0.3596E+00	0.4852E-01	0.0	0.0	0.0	0.6550E+00	0.4147E+01
NNE	0.2426E-01	0.4124E+00	0.7278E-01	0.0	0.0	0.0	0.0	0.5095E+00	0.2369E+01
NE	0.0	0.2426E+00	0.1213E+00	0.0	0.0	0.0	0.0	0.3639E+00	0.2731E+01
ENE	0.0	0.2669E+00	0.1213E+00	0.0	0.0	0.0	0.0	0.3802E+00	0.2567E+01
E	0.0	0.3154E+00	0.4852E-01	0.0	0.0	0.0	0.0	0.3639E+00	0.2565E+01
ESE	0.4852E-01	0.4124E+00	0.4852E-01	0.0	0.0	0.0	0.0	0.5095E+00	0.2357E+01
SE	0.0	0.2669E+00	0.1456E+00	0.0	0.0	0.0	0.0	0.4124E+00	0.3301E+01
SSE	0.7278E-01	0.1043E+01	0.9704E-01	0.0	0.0	0.0	0.0	0.1213E+01	0.2199E+01
S	0.9704E-01	0.1334E+01	0.5822E+00	0.0	0.0	0.0	0.0	0.2014E+01	0.2860E+01
SSW	0.9704E-01	0.1310E+01	0.6065E+00	0.0	0.0	0.0	0.0	0.2014E+01	0.2638E+01
SW	0.9704E-01	0.1116E+01	0.1941E+00	0.0	0.0	0.0	0.0	0.1407E+01	0.2456E+01
WSW	0.4852E-01	0.5095E+00	0.7278E-01	0.0	0.0	0.0	0.0	0.6308E+00	0.2134E+01
W	0.0	0.2183E+00	0.1456E+00	0.0	0.0	0.0	0.0	0.3639E+00	0.3469E+01
WNW	0.4852E-01	0.4124E+00	0.9704E-01	0.0	0.0	0.0	0.0	0.5580E+00	0.2480E+01
NW	0.0	0.2183E+00	0.1941E+00	0.0	0.0	0.0	0.0	0.4124E+00	0.3409E+01
NNW	0.4852E-01	0.4367E+00	0.1941E+00	0.2426E-01	0.0	0.0	0.0	0.7035E+00	0.3218E+01
TOTAL	0.5822E+00	0.6762E+01	0.3081E+01	0.7278E-01	0.0	0.0	0.0	0.1252E+02	0.2819E+01
NUMBER OF CALMS = 24									
NUMBER OF BAD HOURS = 5									

JOINT PERCENTAGE FREQUENCIES OF WIND DIRECTION AND SPEED
FOR THE PERIOD 12:00 AM 1/15/76 TO 11:00 PM 7/15/76SUMMARY
STABILITY CALCULATED FROM DIFF. TEMPERATURE #1+2

HARRIS ON-SITE METEOROLOGICAL FACILITY

LOWER WIND DIRECTION	SPEED CLASS (MPH)						TOTAL	AVG. WIND SPEED
	CALM	0.75- 3.5	3.5- 7.5	7.5-12.5	12.5-18.5	18.5-25.0		
N	0.4367E+00	0.1698E+01	0.2814E+01	0.1795E+01	0.4852E-01	0.0	0.0	0.6743E+01
NNE	0.3396E+00	0.1528E+01	0.1747E+01	0.3639E+00	0.0	0.0	0.0	0.5979E+01
NE	0.2426E+00	0.1189E+01	0.2086E+01	0.5580E+00	0.7278E-01	0.0	0.0	0.4148E+01
ENE	0.3882E+00	0.1431E+01	0.1383E+01	0.1698E+00	0.0	0.0	0.0	0.3372E+01
E	0.4124E+00	0.1625E+01	0.9461E+00	0.2426E-01	0.0	0.0	0.0	0.3004E+01
ESE	0.4367E+00	0.1674E+01	0.1213E+01	0.1213E+00	0.0	0.0	0.0	0.3445E+01
SE	0.3639E+00	0.1601E+01	0.1917E+01	0.4367E+00	0.0	0.0	0.0	0.4318E+01
SSE	0.5095E+00	0.3081E+01	0.2887E+01	0.5580E+00	0.2426E-01	0.0	0.0	0.7060E+01
S	0.8734E+00	0.4755E+01	0.4100E+01	0.1140E+01	0.1456E+00	0.0	0.0	0.1101E+02
SSW	0.7035E+00	0.4027E+01	0.5507E+01	0.2741E+01	0.3154E+00	0.0	0.0	0.1329E+02
SW	0.8248E+00	0.3736E+01	0.3275E+01	0.3251E+01	0.6793E+00	0.7278E-01	0.0	0.1184E+02
WSW	0.5822E+00	0.2305E+01	0.2669E+01	0.2305E+01	0.1941E+00	0.9704E-01	0.0	0.8151E+01
W	0.2911E+00	0.1262E+01	0.1747E+01	0.1601E+01	0.1456E+00	0.0	0.0	0.5040E+01
WNW	0.4852E-01	0.1359E+01	0.1577E+01	0.1092E+01	0.4367E+00	0.2426E-01	0.0	0.4537E+01
NW	0.2911E+00	0.1140E+01	0.1868E+01	0.1213E+01	0.2183E+00	0.0	0.0	0.4731E+01
NNW	0.3639E+00	0.1553E+01	0.2183E+01	0.9947E+00	0.1698E+00	0.0	0.0	0.5264E+01
TOTAL	0.7108E+01	0.3396E+02	0.3792E+02	0.1836E+02	0.2450E+01	0.1941E+00	0.0	0.1000E+03

NUMBER OF CALMS = 293

NUMBER OF BAD HOURS = 246

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)	
)	
CAROLINA POWER & LIGHT COMPANY)	Docket Nos. 50-400
)	50-401
(Shearon Harris Nuclear Power Plant)	50-402
)	50-403
Units 1, 2, 3, and 4))	

CERTIFICATE OF SERVICE

This is to certify that a copy of Carolina Power & Light Company's letter from J. A. Jones to Benard C. Rusche submitting additional meteorological information to support the Nuclear Regulatory Commission's evaluation of the Shearon Harris Nuclear Power Plant Units 1, 2, 3, and 4 compliance with Appendix I to 10CFR50 has this 7th day of September been served upon the following government officials by deposit of the same in the United States mail addressed as follows:

Mr. Vassar P. Shearon, Chairman
Board of County Commissioners of Wake County
Post Office Box 550
Raleigh, North Carolina 27602

Mr. Ben Wimberly, Chairman
Board of County Commissioners of Chatham County
Post Office Box 111
Pittsboro, North Carolina 27312

Office of Intergovernmental Relations
116 West Jones Street
Raleigh, North Carolina 27603

Mr. Dave Hopkins
Environmental Protection Agency
1421 Peachtree Street, N. E.
Atlanta, Georgia 30309

A copy of this letter has also been served this day upon each member of the Atomic Safety and Licensing Board, and other appropriate NRC personnel by deposit of the same in the United States mail addressed as follows:



Ivan W. Smith, Esq.
Atomic Safety and Licensing Board Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. Glenn O. Bright
Atomic Safety and Licensing Board Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. J. V. Leeds, Jr.
Post Office Box 941
Houston, Texas 77001


Mr. Nathaniel H. Goodrich, Chairman
Atomic Safety and Licensing Board Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Secretary
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555
Attention: Chief, Public Proceeding Staff

Mr. Thomas S. Erwin
Post Office Box 928
115 West Morgan Street
Raleigh, North Carolina 27602

Mr. C. A. Barth
Regulatory Staff Counsel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Jesse C. Brake, Esq.
Department of Justice
Post Office Box 629
Raleigh, North Carolina 27602



Richard E. Jones

Associate General Counsel
Carolina Power & Light Company

Business Address: 336 Fayetteville Street
Raleigh, N. C. 27602

Business Telephone: Area Code 919
828-8211

Dated: September 7, 1976

