

PECO Energy Company
LIMERICK GENERATING STATION

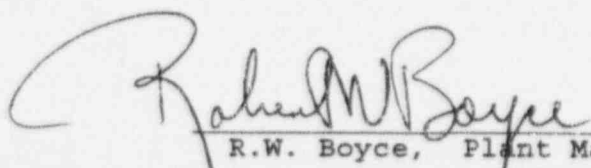
DOCKET NO. 50-352 (Unit 1)
DOCKET NO. 50-353 (Unit 2)

Tower No. 1
Joint Frequency Distributions of
Wind Speed and Direction by
Atmospheric Stability Class
1995
Report No. 11

Submitted to
The United States Nuclear Regulatory Commission
Pursuant to
Facility Operating License NPF-39 (Unit 1)
and NPF-85 (Unit 2)

Preparation Directed by:
W. G. MacFarland, Vice President
Limerick Generating Station

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R.W. Boyce, Plant Manager

LGS - MIXED-MODE RELEASE TURBINE ENCLOSURE (NORTH VENT) 1995

SPECIFIC POINTS OF INTEREST

ORELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE (MILES)	(METERS)	X/Q (SEC/CUB.METER)	X/Q (SEC/CUB.METER)	X/Q (SEC/CUB.METER)	D/Q (PER SQ.METER)
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NO DECAY

2.260 DAY DECAY

8.000 DAY DECAY

UNDEPLETED

UNDEPLETED

DEPLETED

N	SITE BOUNDARY	S	.81	1311.	1.740E-07	1.734E-07	1.554E-07	1.772E-09
N	SITE BOUNDARY	SSW	.49	793.	2.825E-07	2.819E-07	2.589E-07	2.041E-09
N	SITE BOUNDARY	SW	.61	975.	2.622E-07	2.616E-07	2.376E-07	1.779E-09
N	SITE BOUNDARY	WSW	.55	884.	4.241E-07	4.233E-07	3.862E-07	3.563E-09
N	SITE BOUNDARY	W	.57	914.	3.013E-07	3.008E-07	2.743E-07	3.153E-09
N	SITE BOUNDARY	WNW	.55	884.	2.125E-07	2.122E-07	1.934E-07	1.795E-09
N	SITE BOUNDARY	NW	.59	945.	2.098E-07	2.095E-07	1.901E-07	1.892E-09
N	SITE BOUNDARY	NNW	.68	1097.	2.102E-07	2.099E-07	1.895E-07	1.921E-09
N	SITE BOUNDARY	N	.63	1006.	3.118E-07	3.113E-07	2.821E-07	3.496E-09
N	SITE BOUNDARY	NNE	.55	884.	3.487E-07	3.481E-07	3.184E-07	3.722E-09
N	SITE BOUNDARY	NE	.53	853.	3.395E-07	3.389E-07	3.112E-07	3.314E-09
N	SITE BOUNDARY	ENE	.72	1158.	2.977E-07	2.970E-07	2.704E-07	3.304E-09
N	SITE BOUNDARY	E	.72	1158.	6.738E-07	6.725E-07	6.081E-07	7.920E-09
N	SITE BOUNDARY	ESE	.51	823.	1.626E-06	1.624E-06	1.485E-06	1.990E-08
N	SITE BOUNDARY	SE	.76	1219.	4.387E-07	4.376E-07	3.924E-07	4.557E-09
N	SITE BOUNDARY	SSE	.78	1250.	2.448E-07	2.442E-07	2.187E-07	2.476E-09
N	RAILROAD TRACKS	S	.19	300.	1.947E-06	1.945E-06	1.864E-06	1.333E-08
N	RAILROAD TRACKS	SSW	.14	225.	2.418E-06	2.417E-06	2.336E-06	1.093E-08
N	RAILROAD TRACKS	SW	.14	225.	2.963E-06	2.961E-06	2.861E-06	1.146E-08
N	RAILROAD TRACKS	WSW	.14	225.	4.076E-06	4.073E-06	3.936E-06	2.250E-08
N	RAILROAD TRACKS	W	.14	225.	2.950E-06	2.948E-06	2.849E-06	2.082E-08
N	RAILROAD TRACKS	WNW	.21	345.	9.656E-07	9.649E-07	9.196E-07	6.809E-09
N	RAILROAD TRACKS	NW	.28	450.	6.518E-07	6.513E-07	6.139E-07	5.633E-09
N	INFORMATION CTR	ESE	.55	884.	1.459E-06	1.457E-06	1.326E-06	1.781E-08
N	FRICKS LOCK	WSW	.28	450.	1.210E-06	1.209E-06	1.141E-06	8.995E-09

VENT AND BUILDING PARAMETERS:

RELEASE HEIGHT (METERS)	61.00
DIAMETER (METERS)	5.33
EXIT VELOCITY (M/SEC)	7.68

REP. WIND HEIGHT (METERS)	50.6
BUILDING HEIGHT (METERS)	61.0
BLDG. MIN. CRS. SEC. AREA (SQ. METERS)	4596.0
HEAT EMISSION RATE (CAL/SEC)	.0

AT THE RELEASE HEIGHT:

VENT RELEASE MODE WIND SPEED (METERS/SEC)

ELEVATED	LESS THAN	1.536
MIXED	BETWEEN	1.536 AND 7.680
GROUND LEVEL	ABOVE	7.680

AT THE MEASURED WIND HEIGHT (9.1 METERS):

VENT RELEASE MODE WIND SPEED (METERS/SEC)

ELEVATED	LESS THAN	.651
MIXED	BETWEEN	.651 AND 3.257
GROUND LEVEL	ABOVE	3.257

WIND SPEED (METERS/SEC)	UNSTABLE/NEUTRAL CONDITIONS
LESS THAN	1.000
BETWEEN	1.000 AND 5.001
ABOVE	5.001

LGS - MIXED-MODE RELEASE REACTOR ENCLOSURE (SOUTH VENT) 1995

SPECIFIC POINTS OF INTEREST

ORELEASE ID	TYPE OF LOCATION	DIRECTION	DISTANCE (MILES)	(METERS)	X/Q (SEC/CUB.METER)	X/Q (SEC/CUB.METER)	X/Q (SEC/CUB.METER)	D/Q (PER SQ.METER)
NO DECAY								
2.260 DAY DECAY								
8.000 DAY DECAY								
DEPLETED								

S	SITE BOUNDARY	S	.81	1311.	1.997E-07	1.991E-07	1.790E-07	1.840E-09
S	SITE BOUNDARY	SSW	.49	793.	3.188E-07	3.182E-07	2.924E-07	2.166E-09
S	SITE BOUNDARY	SW	.61	975.	2.992E-07	2.984E-07	2.717E-07	1.870E-09
S	SITE BOUNDARY	WSW	.55	884.	4.769E-07	4.760E-07	4.349E-07	3.763E-09
S	SITE BOUNDARY	W	.57	914.	3.392E-07	3.387E-07	3.092E-07	3.315E-09
S	SITE BOUNDARY	WNW	.55	884.	2.413E-07	2.409E-07	2.198E-07	1.919E-09
S	SITE BOUNDARY	NW	.59	945.	2.337E-07	2.333E-07	2.121E-07	1.985E-09
S	SITE BOUNDARY	NNW	.68	1097.	2.434E-07	2.430E-07	2.204E-07	2.417E-09
S	SITE BOUNDARY	N	.63	1006.	3.542E-07	3.537E-07	3.211E-07	3.688E-09
S	SITE BOUNDARY	NNE	.55	884.	3.976E-07	3.970E-07	3.634E-07	4.426E-09
S	SITE BOUNDARY	NE	.53	853.	3.945E-07	3.938E-07	3.620E-07	4.006E-09
S	SITE BOUNDARY	ENE	.72	1158.	3.642E-07	3.634E-07	3.333E-07	3.444E-09
S	SITE BOUNDARY	E	.72	1158.	7.856E-07	7.841E-07	7.122E-07	8.243E-09
S	SITE BOUNDARY	ESE	.51	823.	1.804E-06	1.801E-06	1.647E-06	2.082E-08
S	SITE BOUNDARY	SE	.76	1219.	4.961E-07	4.949E-07	4.446E-07	4.756E-09
S	SITE BOUNDARY	SSE	.78	1250.	2.776E-07	2.768E-07	2.486E-07	2.580E-09
S	RAILROAD TRACKS	S	.19	300.	2.177E-06	2.175E-06	2.084E-06	1.433E-08
S	RAILROAD TRACKS	SSW	.14	225.	2.713E-06	2.711E-06	2.620E-06	1.193E-08
S	RAILROAD TRACKS	SW	.14	225.	3.303E-06	3.301E-06	3.190E-06	1.243E-08
S	RAILROAD TRACKS	WSW	.14	225.	4.533E-06	4.531E-06	4.378E-06	2.447E-08
S	RAILROAD TRACKS	W	.14	225.	3.285E-06	3.283E-06	3.173E-06	2.255E-08
S	RAILROAD TRACKS	WNW	.21	345.	1.088E-06	1.087E-06	1.036E-06	7.414E-09
S	RAILROAD TRACKS	NW	.28	450.	7.162E-07	7.156E-07	6.746E-07	5.964E-09
S	INFORMATION CTR	ESE	.55	884.	1.619E-06	1.616E-06	1.472E-06	1.861E-08
S	FRICKS LOCK	WSW	.28	450.	1.349E-06	1.347E-06	1.271E-06	9.651E-09

VENT AND BUILDING PARAMETERS:

RELEASE HEIGHT (METERS)	61.00
DIAMETER (METERS)	3.44
EXIT VELOCITY (M/SEC)	7.32

REP. WIND HEIGHT (METERS)	50.6
BUILDING HEIGHT (METERS)	61.0
BLDG. MIN. CRS. F.T.C. AREA (SQ. METERS)	4596.0
HEAT EMISSION RATE (CAL/SEC)	.0

AT THE RELEASE HEIGHT:

VENT RELEASE MODE	WIND SPEED (METERS/SEC)
ELEVATED	LESS THAN 1.464
MIXED	BETWEEN 1.464 AND 7.320
GROUND LEVEL	ABOVE 7.320

AT THE MEASURED WIND HEIGHT (9.1 METERS):

VENT RELEASE MODE	WIND SPEED (METERS/SEC)
ELEVATED	LESS THAN .621
MIXED	BETWEEN .621 AND 3.104
GROUND LEVEL	ABOVE 3.104

WIND SPEED (METERS/SEC)
UNSTABLE/NEUTRAL CONDITIONS
LESS THAN .953
BETWEEN .953 AND 4.767
ABOVE 4.767

1995

JOINT FREQUENCY DISTRIBUTION (JFDS)

30-FOOT LEVEL

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 30 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 30.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 30.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	1	0	0	2	4	0	0	0	0	0	0	0	1	2	0	2	12
3.51- 7.50	30	17	18	26	23	4	1	5	17	16	42	75	74	28	20	21	417
7.51-12.50	32	9	2	9	9	3	3	3	19	31	15	27	52	70	33	28	345
12.51-18.50	2	0	0	0	0	0	0	2	5	3	2	0	18	44	19	5	100
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	1	5	8	0	0	14
*24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	65	26	20	37	36	7	4	10	41	50	59	103	150	152	72	56	888

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 30.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 30.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	1	4	1	1	2	0	0	1	1	1	3	0	3	4	4	0	26
3.51- 7.50	11	9	7	11	10	8	5	5	15	20	24	24	29	21	18	6	223
7.51-12.50	9	3	1	5	7	2	1	2	7	6	4	6	21	38	20	9	141
12.51-18.50	0	0	0	0	0	1	0	0	0	1	0	1	11	37	6	2	59
18.51-24.00	0	0	0	0	0	0	0	0	0	0	1	0	6	9	1	0	17
*24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
TOTAL	21	16	9	17	19	11	6	8	23	28	32	31	70	110	49	17	467

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 30 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS C
STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 30.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 30.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	4	2	4	3	3	4	4	4	2	1	7	8	8	3	9	4	70
3.51- 7.50	9	1	20	20	22	6	8	6	23	28	22	20	26	23	13	8	255
7.51-12.50	6	1	1	7	4	4	2	3	13	14	3	4	23	34	13	12	144
12.51-18.50	0	0	0	0	1	0	0	1	0	0	0	0	11	46	10	1	70
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	6	7	0	0	13
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
TOTAL	19	4	25	30	30	14	14	14	38	43	32	32	74	114	45	25	553

STABILITY CLASS D
STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 30.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 30.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	46	56	80	56	36	20	17	25	43	34	50	45	57	37	40	40	682
3.51- 7.50	59	50	130	167	77	46	67	112	132	89	56	59	94	105	92	76	1411
7.51-12.50	26	19	11	49	49	24	19	44	64	24	14	45	137	278	102	74	979
12.51-18.50	4	1	0	1	9	6	8	8	2	4	0	0	55	102	36	11	247
18.51-24.00	0	0	0	0	0	0	1	0	0	0	0	0	15	12	8	0	36
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
TOTAL	135	126	221	273	171	96	112	189	241	151	120	149	358	536	278	201	3357

PROGRAM: JFD VERSION: PC-1.2

Windick Generating Station - JFD 30 FT LEVEL - January through December 1995

STATION IDENTIFIER:

PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 30.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 30.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	39	36	60	44	29	27	24	24	24	41	67	75	90	93	67	44	784
3.51- 7.50	21	19	19	32	30	30	23	34	49	44	56	51	99	95	56	18	676
7.51-12.50	6	4	1	4	8	3	15	9	6	7	3	5	17	40	13	4	145
12.51-18.50	0	0	0	0	0	2	8	0	0	1	0	0	3	1	2	0	17
18.51-24.00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	66	59	80	80	67	62	72	67	79	93	126	131	209	229	138	66	1624

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 30.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 30.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	31	34	24	52	20	20	10	8	12	23	26	29	56	82	78	34	539
3.51- 7.50	2	1	4	5	4	4	6	6	6	7	4	3	16	33	11	3	115
7.51-12.50	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	3
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	33	35	28	57	24	24	17	14	18	30	30	32	72	117	89	37	657

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 30 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS G
STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 30.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 30.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
.51- 3.50	45	26	33	25	13	6	5	2	5	10	6	20	52	80	47	49	424
3.51- 7.50	0	1	1	0	1	0	0	0	0	2	1	1	6	15	2	1	31
7.51-12.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	45	27	34	25	14	6	5	2	5	12	7	21	58	95	49	50	456

STABILITY CLASS ALL
STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 30.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 30.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	1
.51- 3.50	167	158	202	183	107	77	60	64	87	110	159	177	267	301	245	173	2537
3.51- 7.50	132	98	199	261	167	98	110	168	242	206	205	233	344	320	212	133	3128
7.51-12.50	79	36	16	74	77	36	41	61	109	82	39	87	250	462	181	127	1757
12.51-18.50	6	1	0	1	10	9	16	11	7	9	2	1	98	230	73	19	493
18.51-24.00	0	0	0	0	0	0	3	0	0	0	1	1	32	36	9	0	82
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
TOTAL	384	293	417	519	361	220	230	304	445	407	406	499	991	1353	720	452	8002

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 30 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 30.0 FEET

WIND THRESHOLD AT: .50 MPH

TOTAL NUMBER OF OBSERVATIONS: 8760

TOTAL NUMBER OF VALID OBSERVATIONS: 8002

TOTAL NUMBER OF MISSING OBSERVATIONS: 758

PERCENT DATA RECOVERY FOR THIS PERIOD: 91.3 %

MEAN WIND SPEED FOR THIS PERIOD: 6.1 MPH

NUMBER OF OBSERVATIONS WITH BACKUP WIND SPEED: 34

NUMBER OF OBSERVATIONS WITH BACKUP WIND DIRECTION: 198

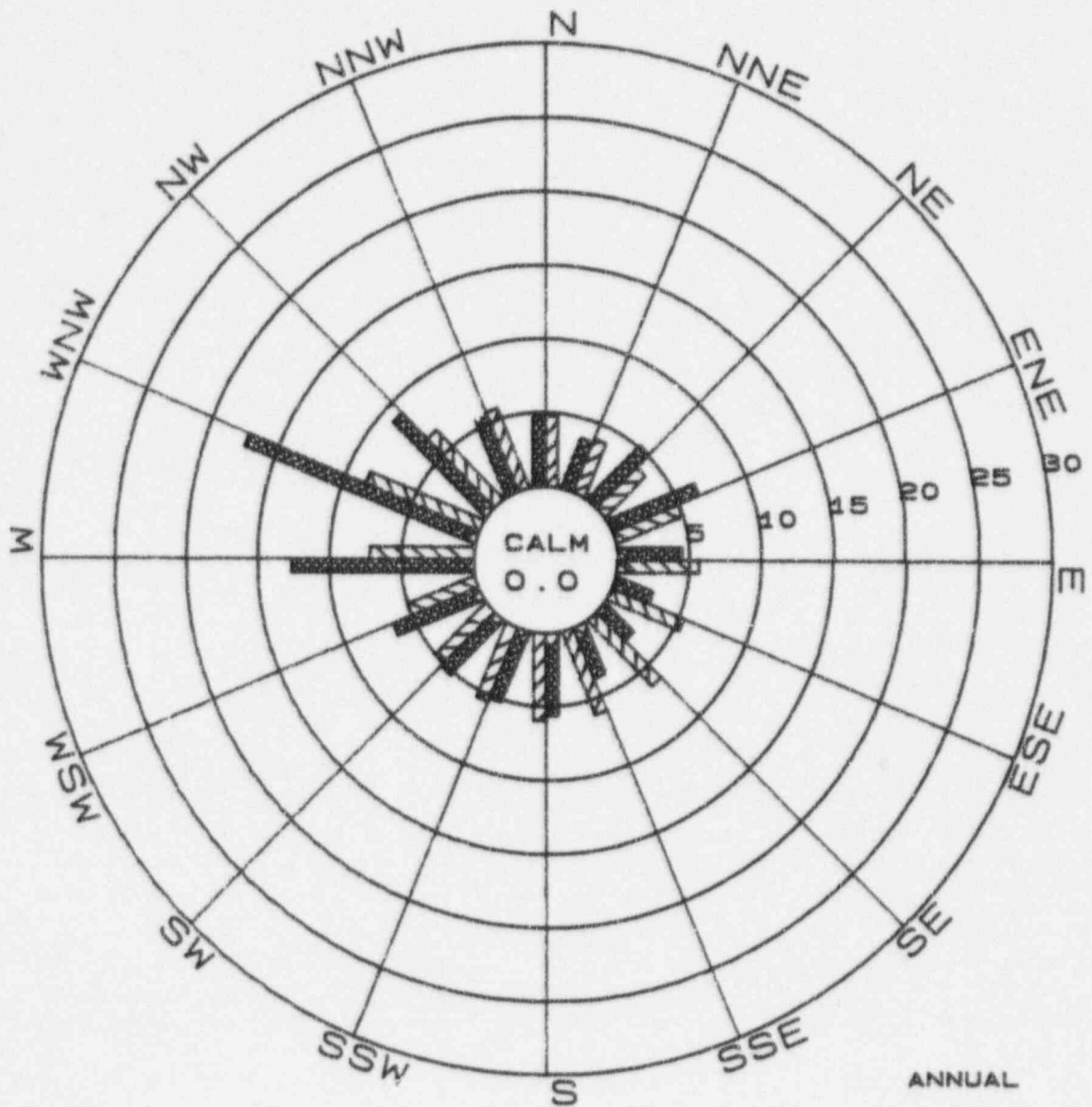
TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 198

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
11.10	5.84	6.91	41.95	20.29	8.21	5.70

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	65	26	20	37	36	7	4	10	41	50	59	103	150	152	72	56	0
B	21	16	9	17	19	11	6	8	23	28	32	31	70	110	49	17	0
C	19	4	25	30	30	14	14	14	38	43	32	32	74	114	45	25	0
D	135	126	221	273	171	96	112	189	241	151	120	149	358	536	278	201	0
E	66	59	80	80	67	62	72	67	79	93	126	131	209	229	138	66	0
F	33	35	28	57	24	24	17	14	18	30	30	32	72	117	89	37	0
G	45	27	34	25	14	6	5	2	5	12	7	21	58	95	49	50	1
TOTAL	384	293	417	519	361	220	230	304	445	407	406	499	991	1353	720	452	1



ANNUAL
7969 OBS.

WIND DIRECTION FREQUENCY (PERCENT)
MEAN WIND SPEED (MI/HR)

Limerick Generating Station
30 Ft Level - 1995

1995

JOINT FREQUENCY DISTRIBUTION (JFDS)

175-FOOT LEVEL

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 175 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 175.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 175.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	3
3.51- 7.50	13	17	13	14	14	5	1	2	6	6	8	21	31	22	8	9	190
7.51-12.50	34	22	12	10	29	6	2	3	20	17	38	60	48	44	28	18	391
12.51-18.50	14	5	0	1	0	0	2	1	16	24	10	23	35	54	29	22	236
18.51-24.00	0	0	0	0	0	0	0	0	0	1	1	2	6	25	18	6	59
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	6	6	2	0	14
TOTAL	62	44	25	25	43	12	5	6	42	48	57	107	126	151	85	55	893

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 175.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 175.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	1	0	6	2	1	0	1	1	0	0	0	1	0	3	0	0	16
3.51- 7.50	5	6	1	8	9	8	4	6	3	10	13	17	17	16	8	8	139
7.51-12.50	9	9	5	10	9	3	2	1	10	15	12	12	16	24	12	10	159
12.51-18.50	4	2	0	0	0	1	1	0	3	5	4	3	13	28	24	8	96
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	3	2	22	10	0	38
≥24.00	0	0	0	0	0	0	0	0	0	0	0	1	4	9	5	0	19
TOTAL	19	17	12	20	19	12	8	8	16	31	29	37	52	102	59	26	467

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 175 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 175.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 175.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	2	1	1	4	1	4	2	1	3	2	2	2	4	5	2	2	38
3.51- 7.50	8	5	12	11	10	10	9	8	16	15	15	15	19	10	9	5	177
7.51-12.50	13	0	4	16	10	6	4	1	15	21	12	9	19	20	20	13	183
12.51-18.50	2	2	0	2	1	0	1	2	6	10	2	4	10	27	15	4	88
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	1	2	27	18	0	48
≥24.00	0	0	0	0	0	0	0	1	0	0	0	0	4	12	3	0	20
TOTAL	25	8	17	33	22	20	16	13	40	48	31	31	58	101	67	24	554

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 175.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 175.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	20	16	38	33	23	18	16	10	16	13	13	12	26	16	15	14	299
3.51- 7.50	50	56	95	113	77	37	40	52	71	59	46	32	50	44	44	45	911
7.51-12.50	73	34	59	90	109	31	38	78	160	79	38	44	54	118	91	90	1186
12.51-18.50	22	8	10	7	28	25	13	25	48	23	16	27	84	237	134	51	758
18.51-24.00	2	1	0	0	2	3	3	12	3	5	1	4	23	76	33	5	173
≥24.00	0	0	0	0	1	0	1	1	0	0	0	0	8	33	9	0	53
TOTAL	167	115	202	243	240	114	111	178	298	179	114	119	245	524	326	205	3380

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 175 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS E
STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 175.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 175.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	12	16	19	14	24	15	11	8	4	13	12	8	15	19	19	17	226
3.51- 7.50	27	16	25	31	35	19	19	25	37	40	50	58	56	72	44	35	589
7.51-12.50	23	16	13	14	20	24	12	28	47	44	57	59	76	113	61	37	644
12.51-18.50	5	2	2	2	7	4	11	8	13	10	10	11	13	28	21	4	151
18.51-24.00	0	0	0	0	0	0	2	4	1	4	0	0	1	2	0	0	14
≥24.00	0	0	0	0	0	0	3	1	0	0	0	0	1	0	0	0	5
TOTAL	67	50	59	61	86	62	58	74	102	111	129	136	162	234	145	93	1629

STABILITY CLASS F
STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 175.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 175.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	8	11	10	11	7	2	9	6	10	9	7	6	15	19	16	17	163
3.51- 7.50	18	10	11	12	21	9	7	16	13	16	14	33	34	42	36	16	308
7.51-12.50	7	1	1	2	11	4	0	4	15	3	12	10	11	75	16	4	176
12.51-18.50	0	0	0	0	0	0	1	0	0	1	0	0	0	7	0	1	10
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	33	22	22	25	39	15	17	26	38	29	33	49	60	143	68	38	657

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 175 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 175.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 175.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	6	11	6	7	6	10	11	6	2	7	8	16	18	15	15	12	156
3.51- 7.50	6	6	5	12	6	9	3	7	9	13	16	12	32	51	30	10	227
7.51-12.50	0	2	0	2	4	1	0	1	2	3	2	1	10	36	5	1	70
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	3
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	12	19	11	21	16	20	14	14	13	23	26	29	61	104	50	23	456

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 175.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 175.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	50	55	80	71	62	50	50	32	35	44	42	46	78	77	67	62	901
3.51- 7.50	127	116	162	201	172	97	83	116	155	159	162	188	239	257	179	128	2541
7.51-12.50	159	84	94	144	192	75	58	116	269	182	171	195	234	430	233	173	2809
12.51-18.50	47	19	12	12	36	30	29	36	86	73	42	68	156	383	223	90	1342
18.51-24.00	2	1	0	0	2	3	5	16	4	11	2	10	34	152	79	11	332
≥24.00	0	0	0	0	1	0	4	3	0	0	0	1	23	60	19	0	111
TOTAL	385	275	348	428	465	255	229	319	549	469	419	508	764	1359	800	464	8036

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 175 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY BASED ON: DELTA T BETWEEN 171.0 AND 26.0 FEET

WIND MEASURED AT: 175.0 FEET

WIND THRESHOLD AT: .50 MPH

TOTAL NUMBER OF OBSERVATIONS: 8760

TOTAL NUMBER OF VALID OBSERVATIONS: 8036

TOTAL NUMBER OF MISSING OBSERVATIONS: 724

PERCENT DATA RECOVERY FOR THIS PERIOD: 91.7 %

MEAN WIND SPEED FOR THIS PERIOD: 9.2 MPH

NUMBER OF OBSERVATIONS WITH BACKUP WIND SPEED: 199

NUMBER OF OBSERVATIONS WITH BACKUP WIND DIRECTION: 198

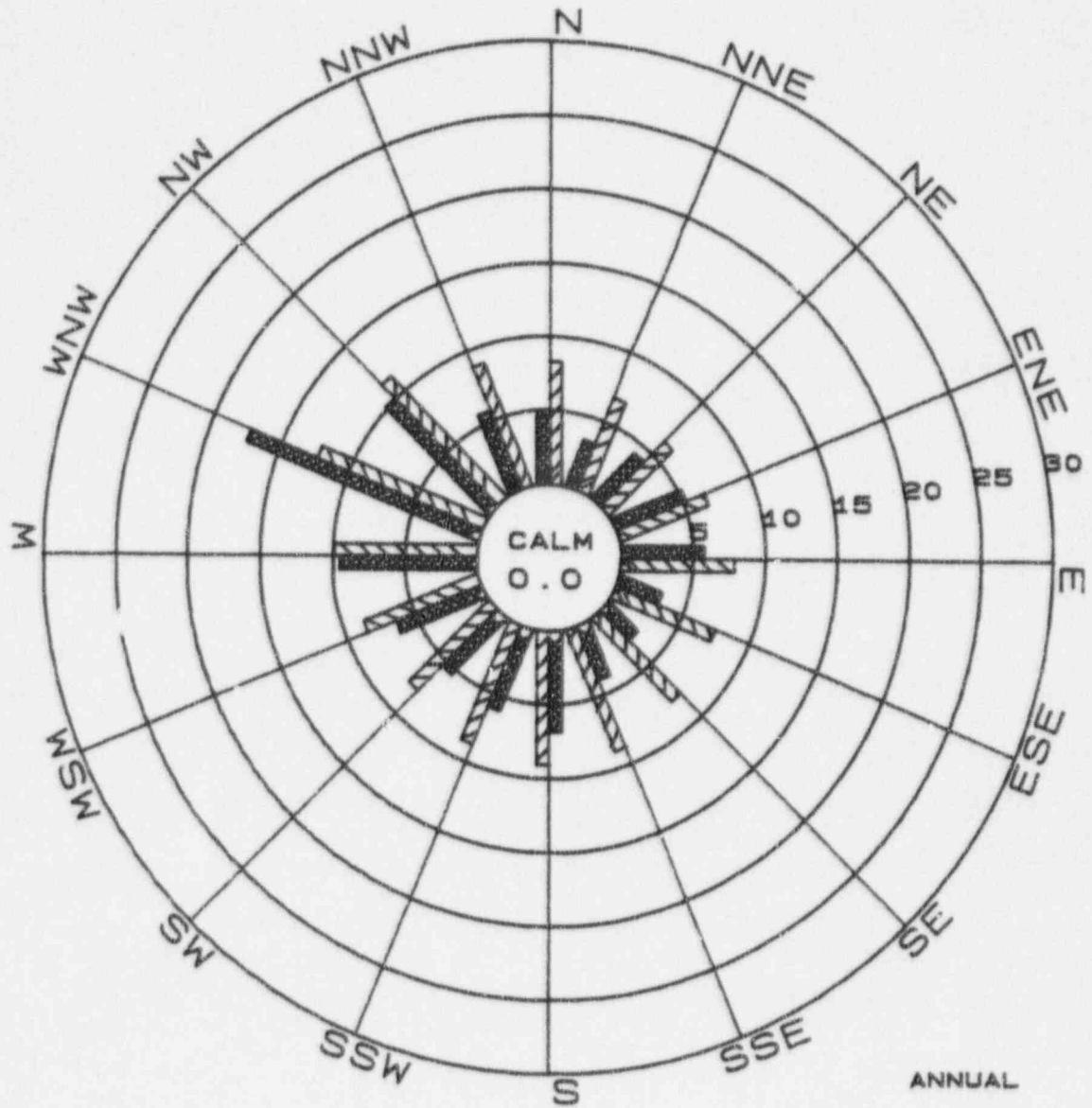
TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 199

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
11.11	5.81	6.89	42.06	20.27	8.18	5.67

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	62	44	25	25	43	12	5	6	42	48	57	107	126	151	85	55	0
B	19	17	12	20	19	12	8	8	16	31	29	37	52	102	59	26	0
C	25	8	17	33	22	20	16	13	40	48	31	31	58	101	67	24	0
D	167	115	202	243	240	114	111	178	298	179	114	119	245	524	326	205	0
E	67	50	59	61	86	62	58	74	102	111	129	136	162	234	145	93	0
F	33	22	22	25	39	15	17	26	38	29	33	49	60	143	68	38	0
G	12	19	11	21	16	20	14	14	13	23	26	29	61	104	50	23	0
TOTAL	385	275	348	428	465	255	229	319	549	469	419	508	764	1359	800	464	0



ANNUAL
8003 OBS.

WIND DIRECTION FREQUENCY (PERCENT)
MEAN WIND SPEED (MI/HR)

Limerick Generating Station
175 Ft Level - 1995

1995

JOINT FREQUENCY DISTRIBUTION (JFDS)

270-FOOT LEVEL

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 270 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS A

STABILITY BASED ON: DELTA T BETWEEN 266.0 AND 26.0 FEET

WIND MEASURED AT: 270.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 270.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	0	0	0	0	0	0	0	1	2	1	0	0	0	0	1	0	5
7.51-12.50	5	1	1	0	3	0	0	1	9	1	2	5	9	3	3	0	43
12.51-18.50	2	0	0	0	1	0	0	1	4	11	5	3	7	6	6	2	48
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	1	0	7	3	0	11
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
TOTAL	7	1	1	0	4	0	0	3	15	13	7	9	16	17	13	2	108

STABILITY CLASS B

STABILITY BASED ON: DELTA T BETWEEN 266.0 AND 26.0 FEET

WIND MEASURED AT: 270.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 270.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.51- 7.50	3	5	3	3	3	2	2	1	1	1	4	2	8	4	1	0	43
7.51-12.50	8	10	4	3	13	3	2	1	10	13	14	16	23	18	21	5	164
12.51-18.50	7	7	0	0	0	0	3	0	4	6	5	15	9	16	10	12	94
18.51-24.00	0	0	0	0	0	0	0	0	0	1	0	1	3	8	11	5	29
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	8
TOTAL	18	22	7	6	16	5	7	2	15	21	23	34	43	51	46	22	338

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 270 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS C

STABILITY BASED ON: DELTA T BETWEEN 266.0 AND 26.0 FEET

WIND MEASURED AT: 270.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 270.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	0	1	1	0	2	2	0	0	1	1	0	0	0	0	0	0	8
3.51- 7.50	7	9	7	6	11	6	5	4	6	11	6	10	13	14	14	5	134
7.51-12.50	12	14	5	5	19	5	1	0	9	19	14	22	18	27	18	6	194
12.51-18.50	14	6	2	1	2	1	1	0	3	10	7	16	14	35	33	9	154
18.51-24.00	0	0	0	0	0	0	0	0	1	3	0	4	3	21	21	4	57
≥24.00	0	0	0	0	0	0	0	0	0	0	0	0	4	19	10	0	33
TOTAL	33	30	15	12	34	14	7	4	20	44	27	52	52	116	96	24	580

STABILITY CLASS D

STABILITY BASED ON: DELTA T BETWEEN 266.0 AND 26.0 FEET

WIND MEASURED AT: 270.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 270.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	11	14	22	19	16	16	12	12	11	3	8	11	9	16	14	12	206
3.51- 7.50	39	38	65	89	72	49	40	33	59	44	63	59	55	53	32	36	826
7.51-12.50	92	55	76	132	113	39	43	49	139	100	59	60	35	77	94	74	1237
12.51-18.50	53	13	14	12	54	27	31	18	87	50	27	34	76	187	180	84	947
18.51-24.00	11	1	6	0	10	11	2	6	13	4	4	12	27	123	86	24	340
≥24.00	2	0	0	0	1	0	0	5	2	1	1	1	12	62	51	2	140
TOTAL	208	121	183	252	266	142	128	123	311	202	162	177	214	518	457	232	3696

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 270 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS E

STABILITY BASED ON: DELTA T BETWEEN 266.0 AND 26.0 FEET

WIND MEASURED AT: 270.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 270.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	9	15	10	11	9	20	9	11	6	5	14	10	9	11	14	14	177
3.51- 7.50	36	15	17	43	29	28	24	27	40	26	51	47	54	52	20	25	534
7.51-12.50	48	27	25	26	15	23	13	23	78	62	72	79	76	134	74	58	833
12.51-18.50	23	12	5	4	20	17	8	19	48	24	16	33	53	91	54	24	451
18.51-24.00	2	0	1	0	2	2	2	6	7	7	6	0	1	19	7	3	65
#24.00	0	0	0	0	0	0	5	5	0	2	2	0	1	5	0	0	20
TOTAL	118	69	58	84	75	90	61	91	179	126	161	169	194	312	169	124	2080

STABILITY CLASS F

STABILITY BASED ON: DELTA T BETWEEN 266.0 AND 26.0 FEET

WIND MEASURED AT: 270.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 270.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	4	7	8	9	9	5	9	8	6	4	3	5	6	3	7	7	100
3.51- 7.50	21	8	16	12	5	13	15	6	11	21	19	21	26	19	20	26	259
7.51-12.50	6	8	9	6	17	7	4	7	10	9	12	13	25	66	26	19	244
12.51-18.50	3	1	0	0	4	5	0	0	2	2	3	1	4	29	3	2	59
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
#24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	34	24	33	27	35	30	28	21	29	36	37	40	62	118	56	54	664

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 270 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY CLASS G

STABILITY BASED ON: DELTA T BETWEEN 266.0 AND 26.0 FEET

WIND MEASURED AT: 270.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 270.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	3	5	3	1	3	3	1	4	4	6	2	12	4	8	6	3	68
3.51- 7.50	9	7	2	0	4	7	6	4	10	12	14	12	27	26	12	11	163
7.51-12.50	1	1	0	0	0	0	0	2	1	3	4	3	4	36	15	2	72
12.51-18.50	0	0	0	0	0	0	0	0	0	0	0	0	2	12	1	1	16
18.51-24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
#24.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	13	13	5	1	7	10	7	10	15	21	20	27	37	83	34	17	320

STABILITY CLASS ALL

STABILITY BASED ON: DELTA T BETWEEN 266.0 AND 26.0 FEET

WIND MEASURED AT: 270.0 FEET

WIND THRESHOLD AT: .50 MPH

JOINT FREQUENCY DISTRIBUTION OF WIND SPEED AND DIRECTION IN HOURS AT 270.00 FEET

SPEED (MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
CALM																	0
.51- 3.50	27	42	44	40	39	46	31	35	28	19	27	38	28	38	41	36	559
3.51- 7.50	115	82	110	153	124	105	92	76	129	116	157	151	183	168	100	103	1964
7.51-12.50	172	116	120	172	180	77	63	83	256	207	177	198	190	361	251	164	2787
12.51-18.50	102	39	21	17	81	50	43	38	148	103	63	102	165	376	287	134	1769
18.51-24.00	13	1	7	0	12	13	4	12	21	15	10	18	35	180	128	36	505
#24.00	2	0	0	0	1	0	5	10	2	3	3	1	17	92	64	2	202
TOTAL	431	280	302	382	437	291	238	254	584	463	437	508	618	1215	871	475	7786

PROGRAM: JFD VERSION: PC-1.2

Limerick Generating Station - JFD 270 FT LEVEL - January through December 1995

SITE IDENTIFIER:

DATA PERIOD EXAMINED: 1/ 1/95 - 12/31/95

*** ANNUAL ***

STABILITY BASED ON: DELTA T BETWEEN 266.0 AND 26.0 FEET

WIND MEASURED AT: 270.0 FEET

WIND THRESHOLD AT: .50 MPH

TOTAL NUMBER OF OBSERVATIONS: 8760

TOTAL NUMBER OF VALID OBSERVATIONS: 7786

TOTAL NUMBER OF MISSING OBSERVATIONS: 974

PERCENT DATA RECOVERY FOR THIS PERIOD: 88.9 %

MEAN WIND SPEED FOR THIS PERIOD: 10.7 MPH

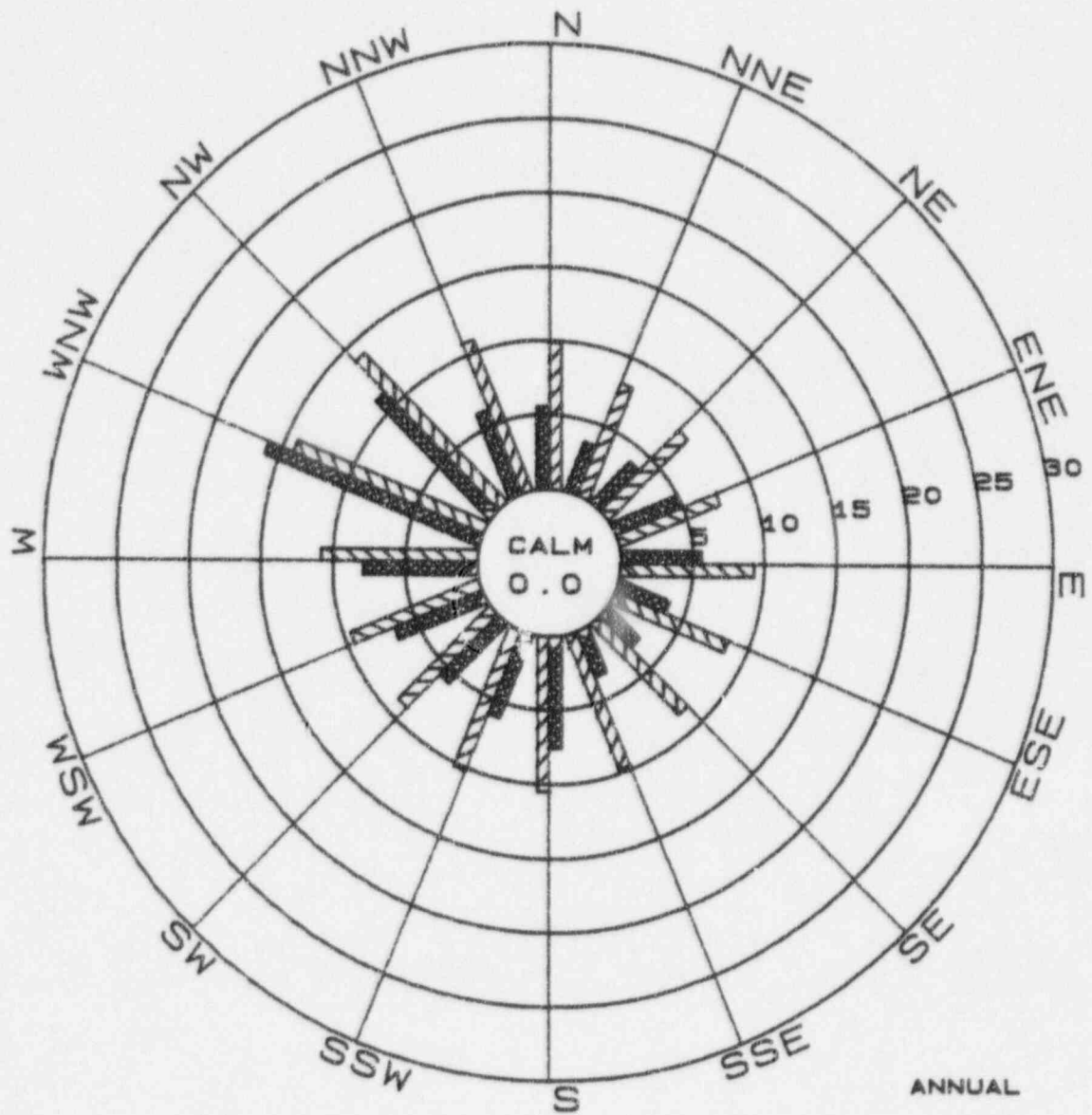
TOTAL NUMBER OF OBSERVATIONS WITH BACKUP DATA: 0

PERCENTAGE OCCURRENCE OF STABILITY CLASSES

A	B	C	D	E	F	G
1.39	4.34	7.45	47.47	26.71	8.53	4.11

DISTRIBUTION OF WIND DIRECTION VS STABILITY

	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	CALM
A	7	1	1	0	4	0	0	3	15	13	7	9	16	17	13	2	0
B	18	22	7	6	16	5	7	2	15	21	23	34	43	51	46	22	0
C	33	30	15	12	34	14	7	4	20	44	27	52	52	116	96	24	0
D	208	121	183	252	266	142	128	123	311	202	162	177	214	518	457	232	0
E	118	69	58	84	75	90	61	91	179	126	161	169	194	312	169	124	0
F	34	24	33	27	35	30	28	21	29	36	37	40	62	118	56	54	0
G	13	13	5	1	7	10	7	10	15	21	20	27	37	83	34	17	0
TOTAL	431	280	302	382	437	291	238	254	584	463	437	508	618	1215	871	475	0



ANNUAL
7951 OBS.

WIND DIRECTION FREQUENCY (PERCENT)
MEAN WIND SPEED (MI/HR)

Limerick Generating Station
270 Ft Level - 1995