10 CFR 50.36a(a)(2)
PNPS TS Section 6.9.C.1
Reg. Guide 1.21

Boston Edison
Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

August 28 , 1995
BECo Ltr. 95- 086

L. J. Olivier
Vice President Nuclear Operations
and Station Director

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Docket No. 50-293
License No. DPR-35

Subject: SEMI-ANNUAL RADIOACTIVE EFFLUENT AND WASTE DISPOSAL REPORT FOR THE PERIOD JULY 1, 1994 THROUGH DECEMBER 31, 1995

In accordance with the requirements of 10 CFR 50.36a(a)(2), Pilgrim Nuclear Power Station Technical Specification Section 6.9.C.1, and Regulatory Guide 1.21, the Boston Edison Company submits the Semi-Annual Radioactive Effluent and Waste Disposal Report Including Meteorological Data for the period of January 1 through June 30, 1995.

Please do not hesitate to contact me if there are any questions regarding this report.

L.J. Olivier

WJM/lam/Waste

cc: Mr. Thomas T. Martin
Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Sr. NRC Resident Inspector - Pilgrim Station

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PILGRIM NUCLEAR POWER STATION

Radioactive Effluent and Waste Disposal Report Including Meteorological Data

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January 1 through June 30, 1995

Boston Edison

BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION

RADIOACTIVE EFFLUENT AND WASTE DISPOSAL REPORT

INCLUDING METEOROLOGICAL DATA

JANUARY 1 THROUGH JUNE 30, 1995

Prepared by: _____ 22 Aug 95
K. J. Sejkora
Senior Environmental Radiochemist

Approved by: _____ 8/25/95
C. S. Goddard
Nuclear Services Department Manager

TABLE OF CONTENTS

Section		Page
1.	Introduction	5
2.	Radioactive Effluent Data	6
3.	Radioactive Waste Disposal Data	13
4.	Meteorological Data	16
5.	Off-Site Dose Calculation Manual Revisions	49
6.	References	50

LIST OF TABLES

Table		Page
	Supplemental Information	7
1A	Gaseous Effluents - Summation of All Releases	8
1B	Gaseous Effluents - Elevated Release	9
1C	Gaseous Effluents - Ground Level Release	10
2A	Liquid Effluents - Summation of All Releases	11
2B	Liquid Effluents	12
3	Solid Waste and Irradiated Fuel Shipments	14
4A-1	Distribution of Wind Directions and Speeds for the 33 ft. Level of the 220 ft. Tower	17
4A-2	Distribution of Wind Directions and Speeds for the 220 ft. Level of the 220 ft. Tower	33

EXECUTIVE SUMMARY

BOSTON EDISON COMPANY
Pilgrim Nuclear Power Station
Radioactive Effluent and Waste Disposal Report
including Meteorological Data
January 1 to June 30, 1995

INTRODUCTION

This report quantifies the radioactive gaseous, liquid, and radwaste releases, and summarizes the local meteorological data for the period from January 1 to June 30, 1995. This document has been prepared in accordance with the requirements set forth in the Pilgrim Nuclear Power Station (PNPS) Technical Specifications and Revision 1 of Regulatory Guide 1.21, "Measuring, Evaluating, and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light Water Cooled Nuclear Power Plants."

The quantity of radioactive material released from Pilgrim Station was determined from sample analyses of gaseous releases from the main stack, reactor building vent, and turbine building, and liquid releases into the discharge canal. The quantity and volume of radioactive waste which was shipped off-site from Pilgrim Station for burial was determined from data contained on the radwaste shipping documentation. The meteorological data were obtained from instrumentation measurements from the 220 foot meteorological tower located at Pilgrim Station.

GASEOUS EFFLUENTS

The gaseous radioactive releases for the reporting period are quantified in Tables 1A, 1B and 1C. Radioactive noble gases released during the period totalled 1743 curies. Releases of radioactive particulates and iodines from the main stack, reactor building vent, and turbine building, totalled 0.005 curies, and tritium releases totalled 16.3 curies. No gross alpha radioactivity was detected in gaseous effluents.

LIQUID EFFLUENTS

The liquid radioactive releases for the reporting period are quantified in Tables 2A and 2B. Liquid effluents into the discharge canal resulted in a total release to the environment (Cape Cod Bay) of 0.069 curies of fission and activation products and 7.71 curies of tritium. Dissolved and entrained gases were not detected. No gross alpha radioactivity was detected.

SOLID WASTE

Boston Edison's radioactive waste burial allocation in Barnwell, South Carolina was suspended in early 1994. Although some shipments of radioactive waste materials were made off-site for volume reduction and/or salvage, no disposal of radioactive waste took place during the reporting period. Any radioactive residue arising from the processing of the waste will be returned to Boston Edison for interim storage at Pilgrim Station.

METEOROLOGICAL DATA

The meteorological data joint frequency distributions are listed in Tables 4A-1 and 4A-2. The percent data recovery for the reporting period was 96% on the 33 foot and 97% on the 220 foot elevations of the 220 foot meteorological tower at Pilgrim Station.

The predominant wind direction was from the south-southwest, which occurred approximately 13% of the time during this period. The predominant wind speed range at the 220 foot sensor was 13 to 18 mph, which occurred 31% of the time during this period. The predominant wind speed range at the 33 foot sensor was 4 to 7 mph, which occurred approximately 45% of the time. The predominant stability class was stability class D, which occurred about 36% of the time during this period.

CONCLUSION

The PNPS Technical Specifications contain limiting conditions for operations and operational objectives regarding radiological environmental releases. None of the limiting conditions for operation or operational objectives associated with liquid or gaseous effluents were exceeded during this reporting period, as confirmed by conservative dose assessments performed on a monthly basis during this period. Official dose assessments will be published in a supplement to this report due 90 days following January 1, 1996. Conformance to these PNPS Technical Specification operational objectives ensures that the releases of radioactive materials in gaseous and liquid effluents were kept as low as is reasonably achievable in accordance with the Nuclear Regulatory Commission's regulation 10CFR50, Appendix I. Furthermore, compliance with PNPS Technical Specifications demonstrates compliance with the Environmental Protection Agency's (EPA) federal environmental regulation 40CFR190.10, Subpart B.

1. INTRODUCTION

This report is issued for the period January 1 to June 30, 1995 in accordance with the Boston Edison Company's PNPS Technical Specifications and NRC Regulatory Guide 1.21, "Measuring, Evaluating and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light Water Cooled Nuclear Power Plants," Revision 1 (Reference 1).

Regulatory Guide 1.21 requires an assessment of the radiological impact on man resulting from radioactivity released in liquid and gaseous effluents. This assessment is to be performed using effluent and meteorological data collected during the semiannual period covered by the report. Due to the complexity of calculations involved with performing such an assessment, it was impractical to complete the assessment within the 60 day issuance requirement for the report. Therefore, PNPS Technical Specifications were modified in May 1988 (Amendment #116) to allow for submission of a supplemental report containing the radiological impact assessments. This report is to be issued by April 1, and is to contain impact assessments for both semiannual periods (January-June, July-December) for the previous year. Since Technical Specification limits for gaseous effluents listed in Table 1A are based on calculated dose, these values are not presented in the semiannual effluent release report. These "percent of technical specification limit" values will be presented in the supplemental report issued prior to April 1, 1996.

2. RADIOACTIVE EFFLUENT DATA

Radioactive liquid and gaseous releases (Reference 2) for the period January 1 to June 30, 1995 are given in the standard NRC Regulatory Guide 1.21 format in Tables 1A, 1B, 1C, 2A, 2B, and the supplemental information form.

2.1 Gaseous Effluents

Gaseous radioactivity is released from Pilgrim Station to the atmosphere from the main stack and the reactor building exhaust vent. These gaseous effluent releases for the reporting period are summarized in Table 1A. Noble gases released during the period totalled 1743 curies, for an average release rate of 111 µCi/sec. A total of 0.005 curies of radioactive iodines and particulates with half-lives greater than 8 days was released at an average release rate of 0.00032 µCi/sec. No alpha radioactivity was detected on particulate filters during this reporting period. A total of 16.3 curies of tritium was released at an average release rate of 1.03 µCi/sec.

The main stack is an elevated release point with a height of approximately 400 feet above mean sea level. The main stack is located about 700 feet west-northwest of the reactor building. The elevated releases for the reporting period are shown in Table 1B.

The majority of ground-level releases during the period occurred from the reactor building vent, but low levels of radionuclides were also detected in air exhausted from the turbine building. The reactor building exhaust vent is considered a mixed-mode/ground-level release point with a height of approximately 182 feet above mean sea level. The exhaust vent is located on the west corner of the reactor building. Combined ground level releases from both the reactor building vent and turbine building for the reporting period are shown in Table 1C.

2.2 Liquid Effluents

Liquid radioactivity is released from Pilgrim Station to the Cape Cod Bay via the circulating water discharge canal. These effluent releases enter the Cape Cod Bay at the outfall of the canal which is located about 1100 feet north from the reactor building.

The liquid releases for the reporting period are summarized in Table 2A. A total of approximately 1.6 million liters of radioactive liquid waste (prior to dilution) containing 0.069 curies of fission and activation products (excluding tritium, gases, and alpha-emitting nuclides) was discharged with a total dilution volume of approximately 5.2 billion liters of water. The liquid effluents were released at an average concentration of fission and activation products of 1.35E-08 µCi/ml. A total of 7.71 curies of tritium was released, resulting in an average concentration of 1.50E-06 µCi/ml. No dissolved and entrained gases were detected in liquid effluents during the period. Alpha radioactivity was not detected during this reporting period. Quarterly release estimates and principal radionuclides in the liquid effluents are given in Table 2B.

Pilgrim Nuclear Power Station
Effluent and Waste Disposal Report
Supplemental Information
January-June 1995

FACILITY: PILGRIM NUCLEAR POWER STATION **LICENSE: DPR-35**

1. REGULATORY LIMITS

a. Fission and activation gases: 500 mrem/yr total body and 3000 mrem/yr for skin at site boundary

b,c. Iodines, particulates with half-life: >8 days, tritium: 1500 mrem/yr to any organ at site boundary

d. Liquid effluents: 0.06 mrem/month for whole body and 0.2 mrem/month for any organ (without radwaste treatment)

2. EFFLUENT CONCENTRATION LIMITS

a. Fission and activation gases: 10CFR20 Appendix B Table II
b. Iodines: 10CFR20 Appendix B Table II
c. Particulates with half-life > 8 days: 10CFR20 Appendix B Table II
d. Liquid effluents: 2E-04 µCi/mL for entrained noble gases; 10CFR20 Appendix B Table II values for all other radionuclides

3. AVERAGE ENERGY

Not Applicable

4. MEASUREMENTS AND APPROXIMATIONS OF TOTAL RADIOACTIVITY

a. Fission and activation gases:
b. Iodines:
c. Particulates:
d. Liquid effluents:

High purity germanium gamma spectroscopy for all gamma emitters; radiochemistry analysis for H-3, Fe-55 (liquid effluents), Sr-89, and Sr-90

5. BATCH RELEASES

	Jan-Mar 1995	Apr-Jun 1995
a. Liquid Effluents		
1. Total number of releases:	3.40E+01	6.30E+01
2. Total time period (minutes):	2.51E+03	3.37E+03
3. Maximum time period (minutes):	3.49E+02	1.80E+02
4. Average time period (minutes):	7.38E+01	5.35E+01
5. Minimum time period (minutes):	2.50E+01	1.30E+01
6. Average stream flow (Liters/min): during periods of release of effluents into a flowing stream	1.11E+06	6.95E+05
b. Gaseous Effluents	None	None

6. ABNORMAL RELEASES

a. Liquid Effluents	None	None
b. Gaseous Effluents	None	None

Table 1A
Pilgrim Nuclear Power Station
Effluent and Waste Disposal Report
Gaseous Effluents - Summation of All Releases
January-June 1995

	Period: Jan-Mar 1995	Period: Apr-Jun 1995	Estimated Total Error
A. FISSION AND ACTIVATION GASES			
	1.58E+03	1.67E+02	22%
Average Release Rate During Period: µCi/sec	2.00E+02	2.12E+01	
Percent of Technical Specification Limit	*	*	
B. IODINES			
Total Iodine-131 Release: Ci	3.29E-03	5.10E-04	20%
Average Release Rate During Period: µCi/sec	4.17E-04	6.47E-05	
Percent of Technical Specification Limit	*	*	
C. PARTICULATES			
Total Release: Ci	8.54E-04	3.82E-04	21%
Average Release Rate During Period: µCi/sec	1.08E-04	4.85E-05	
Percent of Technical Specification Limit	*	*	
Gross Alpha Radioactivity: Ci	NDA	NDA	
D. TRITIUM			
Total Release: Ci	1.28E+01	3.46E+00	20%
Average Release Rate During Period: µCi/sec	1.62E+00	4.39E-01	
Percent of Technical Specification Limit	*	*	

Notes for Table 1A:

* Percent of Technical Specification limit values in above sections are based on dose assessments not performed as part of this report. These will be provided in the annual supplemental dose assessment report to be issued prior to April 1, 1996.

1. NDA stands for No Detectable Activity.
2. LLD for airborne gross alpha activity listed as NDA is 1E-11 µCi/cc.

Table 1B
Pilgrim Nuclear Power Station
Effluent and Waste Disposal Report
Gaseous Effluents - Elevated Release
January-June 1995

Nuclide Released	Continuous Mode		Batch Mode	
	Jan-Mar 1995	Apr-Jun 1995	Jan-Mar 1995	Apr-Jun 1995
1. FISSION AND ACTIVATION GASES - Ci				
N-13	NDA	NDA	N/A	N/A
Kr-85m	2.07E+02	4.33E+01	N/A	N/A
Kr-87	2.55E+02	2.45E+01	N/A	N/A
Kr-88	5.16E+02	8.77E+01	N/A	N/A
Xe-133	1.51E+02	9.77E+00	N/A	N/A
Xe-135	2.87E+02	1.67E+00	N/A	N/A
Xe-135m	NDA	NDA	N/A	N/A
Xe-138	2.10E+01	NDA	N/A	N/A
Total for period	1.44E+03	1.67E+02	N/A	N/A
2. IODINES - Ci				
I-131	1.78E-03	3.57E-04	N/A	N/A
I-133	5.92E-03	4.54E-03	N/A	N/A
Total for period	7.70E-03	4.90E-03	N/A	N/A
3. PARTICULATES - Ci				
Sr-89	3.83E-05	4.72E-05	N/A	N/A
Sr-90	NDA	NDA	N/A	N/A
Cs-134	NDA	NDA	N/A	N/A
Cs-137	4.79E-06	2.73E-06	N/A	N/A
Ba/La-140	1.31E-04	1.32E-04	N/A	N/A
Total for period	1.74E-04	1.82E-04	N/A	N/A
4. TRITIUM - Ci				
H-3	4.59E-01	3.42E-01	N/A	N/A

Notes for Table 1B:

1. N/A stands for not applicable.
2. NDA stands for No Detectable Activity.
3. LLD for airborne radionuclides listed as NDA are as follows:
   Fission Gases: 1E-04 µCi/cc
   Iodines: 1E-12 µCi/cc
   Particulates: 1E-11 µCi/cc

Table 1C
Pilgrim Nuclear Power Station
Effluent and Waste Disposal Report
Gaseous Effluents - Ground Level Release
January-June 1995

Nuclide Released	Continuous Mode		Batch Mode	
	Jan-Mar 1995	Apr-Jun 1995	Jan-Mar 1995	Apr-Jun 1995
1. FISSION AND ACTIVATION GASES - Ci				
N-13	NDA	NDA	N/A	N/A
Kr-85m	NDA	NDA	N/A	N/A
Kr-87	NDA	NDA	N/A	N/A
Kr-88	NDA	NDA	N/A	N/A
Xe-133	NDA	NDA	N/A	N/A
Xe-135	1.16E+02	NDA	N/A	N/A
Xe-135m	NDA	NDA	N/A	N/A
Xe-138	1.96E+01	NDA	N/A	N/A
Total for period	1.36E+02	NDA	N/A	N/A
2. IODINES - Ci				
I-131	1.51E-03	1.53E-04	N/A	N/A
I-133	5.94E-03	8.10E-05	N/A	N/A
Total for period	7.45E-03	2.34E-04	N/A	N/A
3. PARTICULATES - Ci				
Co-60	NDA	8.67E-05	N/A	N/A
Sr-89	3.58E-04	7.99E-05	N/A	N/A
Sr-90	NDA	NDA	N/A	N/A
Cs-134	NDA	NDA	N/A	N/A
Cs-137	NDA	7.26E-06	N/A	N/A
Ba/La-140	3.22E-04	2.64E-05	N/A	N/A
Total for period	6.80E-04	2.00E-04	N/A	N/A
4. TRITIUM - Ci				
H-3	1.23E+01	3.12E+00	N/A	N/A

Notes for Table 1C:

1. N/A stands for not applicable.
2. NDA stands for No Detectable Activity.
3. LLD for airborne radionuclides listed as NDA are as follows:
   Fission Gases: 1E-04 µCi/cc
   Iodines: 1E-12 µCi/cc
   Particulates: 1E-11 µCi/cc

Table 2A
Pilgrim Nuclear Power Station
Effluent and Waste Disposal Report
Liquid Effluents - Summation of All Releases
January-June 1995

	Period: Jan-Mar 1995	Period: Apr-Jun 1995	Estimated Total Error
A. FISSION AND ACTIVATION PRODUCTS			
Total Release (not including H-3, noble gas, or alpha): Ci	2.71E-04	6.89E-02	12%
Average Diluted Concentration During Period: µCi/mL	9.71E-11	2.94E-08	
Percent of Effluent Concentration Limit*	4.08E-03	1.18E+00	
B. TRITIUM			
Total Release: Ci	5.99E-02	7.65E+00	9.4%
Average Diluted Concentration During Period: µCi/mL	2.15E-08	3.26E-06	
Percent of Effluent Concentration Limit*	2.15E-03	3.26E-01	
C. DISSOLVED AND ENTRAINED GASES			
Total Release: Ci	NDA	NDA	16%
Average Diluted Concentration During Period: µCi/mL	NDA	NDA	
Percent of Effluent Concentration Limit*	NDA	NDA	
D. GROSS ALPHA RADIOACTIVITY			
Total Release: Ci	NDA	NDA	34%
E. VOLUME OF WASTE RELEASED PRIOR TO DILUTION			
Waste Volume: Liters	3.56E+05	1.22E+06	5.7%
F. VOLUME OF DILUTION WATER USED DURING PERIOD			
Dilution Volume: Liters	2.79E+09	2.34E+09	10%

Notes for Table 2A:

* Additional percent of Technical Specification limit values based on dose assessments will be provided in the annual supplemental dose assessment report to be issued prior to April 1, 1996.

1. NDA stands for No Detectable Activity.
2. LLD for dissolved and entrained gases listed as NDA is 1E-05 µCi/mL.
2. LLD for liquid gross alpha activity listed as NDA is 1E-07 µCi/mL.

Table 2B
Pilgrim Nuclear Power Station
Effluent and Waste Disposal Report
Liquid Effluents
January-June 1995

Nuclide Released	Continuous Mode		Batch Mode	
	Jan-Mar 1995	Apr-Jun 1995	Jan-Mar 1995	Apr-Jun 1995
1. FISSION AND ACTIVATION PRODUCTS - Ci				
Cr-51	N/A	N/A	NDA	7.97E-04
Mn-54	N/A	N/A	1.58E-05	9.64E-03
Fe-55	N/A	N/A	6.66E-05	4.93E-04
Fe-59	N/A	N/A	NDA	6.71E-04
Co-58	N/A	N/A	NDA	3.02E-03
Co-60	N/A	N/A	1.09E-04	4.02E-02
Zn-65	N/A	N/A	NDA	5.19E-04
Sr-89	N/A	N/A	7.11E-06	7.80E-06
Sr-90	N/A	N/A	2.81E-06	4.91E-06
Zr/Nb-95	N/A	N/A	NDA	NDA
Mo-99/Tc-99m	N/A	N/A	NDA	NDA
Ag-110m	N/A	N/A	NDA	6.40E-05
Sb-124	N/A	N/A	NDA	9.78E-07
I-131	N/A	N/A	NDA	2.17E-07
I-133	N/A	N/A	NDA	NDA
Cs-134	N/A	N/A	NDA	3.15E-04
Cs-137	N/A	N/A	6.97E-05	1.32E-02
Ba/La-140	N/A	N/A	NDA	NDA
Ce-141	N/A	N/A	NDA	1.37E-05
Total for period	N/A	N/A	2.71E-04	6.89E-02
2. DISSOLVED AND ENTRAINED GASES - Ci				
Xe-133	N/A	N/A	NDA	NDA
Xe-135	N/A	N/A	NDA	NDA
Total for period	N/A	N/A	NDA	NDA

Notes for Table 2B:

1. N/A stands for not applicable.
2. NDA stands for No Detectable Activity.
3. LLD for liquid radionuclides listed as NDA are as follows:
   - Strontium: 5E-08 µCi/mL
   - Iodines: 1E-06 µCi/mL
   - Noble Gases: 1E-05 µCi/mL
   - All Others: 5E-07 µCi/mL

3. RADIOACTIVE WASTE DISPOSAL DATA

In early 1994, Boston Edison's radioactive waste burial allocation with Chem Nuclear Systems, Inc. in Barnwell, South Carolina was suspended. Since Massachusetts is not a member of Southeast Compact, it is no longer allowed to bury its radioactive wastes at facilities within the compact. Until a disposal location is agreed upon, PNPS's radioactive wastes will be held in an interim storage facility at Pilgrim Station.

Some shipments of radioactive wastes were made off-site during the reporting period for purposes of volume reduction and/or salvage. However, none of the radioactivity was disposed of via burial. Any radioactive residue recovered from the processing of the wastes is to be returned to Pilgrim Station for interim storage.

Table 3
Pilgrim Nuclear Power Station
Effluent and Waste Disposal Report
Solid Waste and Irradiated Fuel Shipments
January-June 1995

A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL
(Not Irradiated Fuel)

1. Type of Waste	Jan-Jun 1995		
	Volume m^3	Activity Ci	Est. Total Error
a. Spent resins, filter sludges, evaporator bottoms, etc.	0.00E+00	0.00E+00	0%
b. Dry compressible waste, contaminated equipment, etc.	0.00E+00	0.00E+00	0%
c. Irradiated components, control rods, etc.	0.00E+00	0.00E+00	0%
d. Other (describe)	0.00E+00	0.00E+00	0%
Total Combined Waste	0.00E+00	0.00E+00	0%

2. Estimate of major composition (By type of waste)

a. Spent resin, filter sludges, evaporator bottoms, etc.

No shipments of radioactive wastes or components for disposal were made during the reporting period.

b. Dry compressible waste, contaminated equipment etc.

No shipments of radioactive wastes or components for disposal were made during the reporting period.

c. Irradiated components, control rods, etc.

No shipments of radioactive wastes or components for disposal were made during the reporting period.

d. Other (describe miscellaneous low level waste).

No shipments of radioactive wastes or components for disposal were made during the reporting period.

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
2	Tractor-trailer	Alaron Corp., Wampum, PA*
6	Tractor-trailer	Scientific Ecology Group, Oak Ridge, TN*
2	Tractor-trailer	American Ecology Recycle Center, Oak Ridge, TN*

* Contaminated wastes are shipped to these vendors for volume reduction and/or salvage. After processing, the remaining wastes will be returned to Boston Edison for interim storage at Pilgrim Station.

B. IRRADIATED FUEL SHIPMENTS (DISPOSITION)

No shipments of radioactive wastes or components for disposal were made during the reporting period.

4. METEOROLOGICAL DATA

Meteorological data (Reference 3) for the period January 1 to June 30, 1995 is given in Tables 4A-1 and 4A-2 in the standard joint frequency distribution format as given in NRC Regulatory Guide 1.21.

The predominant wind direction was from the south-southwest, which occurred about 13% of the time during this period. The predominant wind speed range at the 220 foot sensor was 13 to 18 mph, which occurred with a frequency of 31% during this period. The predominant wind speed range at the 33 foot sensor was 4 to 7 mph, which occurred approximately 45% of the time. The predominant stability class was stability class D, which occurred about 36% of the time during this period.

There were instances where the data recorded by the 220 foot tower were not continuous. Typically, data losses were due to loss of power, malfunction of the sensors, and/or malfunction of the digital dataloggers. On May 16, 1995, the elevator system for meteorological sensors on the 220 foot tower failed when the transport cable broke. Meteorological data collected from both levels of the tower was inoperable until June 26, when the system was repaired and returned to operation. Due to the extensive loss of data during this period, meteorological data from the backup 160 foot tower were scaled to 220 foot values, and were subsequently substituted for the missing data. Without the replacement information, data recovery for the second quarter would have been 52%. When the replacement data was incorporated, the net result is that the data recovery for the period was 96% on the 33 foot elevation and 97% on the 220 foot elevation of the meteorological tower at Pilgrim Station.

Table 4A-1
Distributions of Wind Directions and Speeds
for the 33-ft Level of the 220-ft Tower

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 11.27

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.44
(2)	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
4-7	14	17	7	14	0	1	1	0	0	4	0	7	6	15	4	13	0	103
(1)	6.11	7.42	3.06	6.11	.00	.44	.44	.00	.00	1.75	.00	3.06	2.62	6.55	1.75	5.68	.00	44.98
(2)	.69	.84	.34	.69	.00	.05	.05	.00	.00	.20	.00	.34	.30	.74	.20	.64	.00	5.07
8-12	20	12	4	3	1	0	0	2	8	3	4	13	13	14	8	8	0	113
(1)	8.73	5.24	1.75	1.31	.44	.00	.00	.87	3.49	1.31	1.75	5.68	5.68	6.11	3.49	3.49	.00	49.34
(2)	.98	.59	.20	.15	.05	.00	.00	.10	.39	.15	.20	.64	.64	.69	.39	.39	.00	5.56
13-18	0	0	1	0	0	0	0	0	0	0	0	3	7	1	0	0	0	12
(1)	.00	.00	.44	.00	.00	.00	.00	.00	.00	.00	.00	1.31	3.06	.44	.00	.00	.00	5.24
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.15	.34	.05	.00	.00	.00	.59
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	34	30	12	17	1	1	1	2	8	7	4	23	26	30	12	21	0	229
(1)	14.85	13.10	5.24	7.42	.44	.44	.44	.87	3.49	3.06	1.75	10.04	11.35	13.10	5.24	9.17	.00	100.00
(2)	1.67	1.48	.59	.84	.05	.05	.05	.10	.39	.34	.20	1.13	1.28	1.48	.59	1.03	.00	11.27

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.40

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	3	1	1	2	2	0	1	0	0	1	2	2	0	5	4	1	0	25
(1)	4.35	1.45	1.45	2.90	2.90	.00	1.45	.00	.00	1.45	2.90	2.90	.00	7.25	5.80	1.45	.00	36.23
(2)	.15	.05	.05	.10	.10	.00	.05	.00	.00	.05	.10	.10	.00	.25	.20	.05	.00	1.23
8-12	2	1	10	0	0	0	1	0	3	4	1	5	6	2	1	2	0	38
(1)	2.90	1.45	14.49	.00	.00	.00	1.45	.00	4.35	5.80	1.45	7.25	8.70	2.90	1.45	2.90	.00	55.07
(2)	.10	.05	.49	.00	.00	.00	.05	.00	.15	.20	.05	.25	.30	.10	.05	.10	.00	1.87
13-18	0	0	4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	6
(1)	.00	.00	5.80	.00	.00	.00	.00	.00	.00	.00	.00	1.45	1.45	.00	.00	.00	.00	8.70
(2)	.00	.00	.20	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00	.30
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	5	2	15	2	2	0	2	0	3	5	3	8	7	7	5	3	0	69
(1)	7.25	2.90	21.74	2.90	2.90	.00	2.90	.00	4.35	7.25	4.35	11.59	10.14	10.14	7.25	4.35	.00	100.00
(2)	.25	.10	.74	.10	.10	.00	.10	.00	.15	.25	.15	.39	.34	.34	.25	.15	.00	3.40

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 3.54

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	4	1	3	1	0	2	0	0	0	1	2	5	6	3	3	3	0	34
(1)	5.56	1.39	4.17	1.39	.00	2.78	.00	.00	.00	1.39	2.78	6.94	8.33	4.17	4.17	4.17	.00	47.22
(2)	.20	.05	.15	.05	.00	.10	.00	.00	.00	.05	.10	.25	.30	.15	.15	.15	.00	1.67
8-12	2	0	8	1	0	0	0	0	3	5	3	4	4	2	2	1	0	35
(1)	2.78	.00	11.11	1.39	.00	.00	.00	.00	4.17	6.94	4.17	5.56	5.56	2.78	2.78	1.39	.00	48.61
(2)	.10	.00	.39	.05	.00	.00	.00	.00	.15	.25	.15	.20	.20	.10	.10	.05	.00	1.72
13-18	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	.00	2.78	1.39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.17
(2)	.00	.10	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	6	3	12	2	0	2	0	0	3	6	5	9	10	5	5	4	0	72
(1)	8.33	4.17	16.67	2.78	.00	2.78	.00	.00	4.17	8.33	6.94	12.50	13.89	6.94	6.94	5.56	.00	100.00
(2)	.30	.15	.59	.10	.00	.10	.00	.00	.15	.30	.25	.44	.49	.25	.25	.20	.00	3.54

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 42.32

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	7	0	2	2	2	1	2	5	7	3	9	2	6	6	2	4	0	60
(1)	.81	.00	.23	.23	.23	.12	.23	.58	.81	.35	1.05	.23	.70	.70	.23	.47	.00	6.98
(2)	.34	.00	.10	.10	.10	.05	.10	.25	.34	.15	.44	.10	.30	.30	.10	.20	.00	2.95
4-7	31	21	25	14	5	6	8	14	24	29	25	31	29	22	26	19	0	329
(1)	3.60	2.44	2.91	1.63	.58	.70	.93	1.63	2.79	3.37	2.91	3.60	3.37	2.56	3.02	2.21	.00	38.26
(2)	1.53	1.03	1.23	.69	.25	.30	.39	.69	1.18	1.43	1.23	1.53	1.43	1.08	1.28	.94	.00	16.19
8-12	33	27	19	19	8	2	3	3	33	28	29	38	66	30	30	25	0	393
(1)	3.84	3.14	2.21	2.21	.93	.23	.35	.35	3.84	3.26	3.37	4.42	7.67	3.49	3.49	2.91	.00	45.70
(2)	1.62	1.33	.94	.94	.39	.10	.15	.15	1.62	1.38	1.43	1.87	3.25	1.48	1.48	1.23	.00	19.34
13-18	2	7	0	1	0	0	0	1	17	12	1	5	18	6	4	0	0	74
(1)	.23	.81	.00	.12	.00	.00	.00	.12	1.98	1.40	.12	.58	2.09	.70	.47	.00	.00	8.60
(2)	.10	.34	.00	.05	.00	.00	.00	.05	.84	.59	.05	.25	.89	.30	.20	.00	.00	3.64
19-24	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.12	.23	.12	.00	.00	.00	.00	.00	.00	.00	.47
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.10	.05	.00	.00	.00	.00	.00	.00	.00	.20
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	73	55	46	36	15	9	13	24	83	73	64	76	119	64	62	48	0	860
(1)	8.49	6.40	5.35	4.19	1.74	1.05	1.51	2.79	9.65	8.49	7.44	8.84	13.84	7.44	7.21	5.58	.00	100.00
(2)	3.59	2.71	2.26	1.77	.74	.44	.64	1.18	4.08	3.59	3.15	3.74	5.86	3.15	3.05	2.36	.00	42.32

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 32.92

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	7	4	3	1	0	0	9	16	18	11	8	8	4	10	11	11	0	121
(1)	1.05	.60	.45	.15	.00	.00	1.35	2.39	2.69	1.64	1.20	1.20	.60	1.49	1.64	1.64	.00	18.09
(2)	.34	.20	.15	.05	.00	.00	.44	.79	.89	.54	.39	.39	.20	.49	.54	54	.00	5.95
4-7	23	15	7	5	1	7	23	25	46	42	39	53	20	24	29	22	0	381
(1)	3.44	2.24	1.05	.75	.15	1.05	3.44	3.74	6.88	6.28	5.83	7.92	2.99	3.59	4.33	3.29	.00	56.95
(2)	1.13	.74	.34	.25	.05	.34	1.13	1.23	2.26	2.07	1.92	2.61	.98	1.18	1.43	1.08	.00	18.75
8-12	7	9	5	0	2	4	4	6	19	42	16	15	6	4	6	2	0	147
(1)	1.05	1.35	.75	.00	.30	.60	.60	.90	2.84	6.28	2.39	2.24	.90	.60	.90	.30	.00	21.97
(2)	.34	.44	.25	.00	.10	.20	.20	.30	.94	2.07	.79	.74	.30	.20	.30	.10	.00	7.23
13-18	0	0	0	0	0	0	0	1	7	4	0	0	1	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.15	1.05	.60	.00	.00	.15	.00	.00	.00	.00	1.94
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.34	.20	.00	.00	.05	.00	.00	.00	.00	.64
19-24	0	0	0	0	0	0	0	1	4	2	0	0	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	.15	.60	.30	.00	.00	.00	.00	.00	.00	.00	1.05
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.20	.10	.00	.00	.00	.00	.00	.00	.00	.34
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	37	28	15	6	3	11	36	49	94	101	63	76	31	38	46	35	0	669
(1)	5.53	4.19	2.24	.90	.45	1.64	5.38	7.32	14.05	15.10	9.42	11.36	4.63	5.68	6.88	5.23	.00	100.00
(2)	1.82	1.38	.74	.30	.15	.54	1.77	2.41	4.63	4.97	3.10	3.74	1.53	1.87	2.26	1.72	.00	32.92

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERICD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

Table 4A-1 (continued)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 5.12

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	1	0	2	0	5	3	3	2	7	3	1	1	0	28
(1)	.00	.00	.00	.00	.96	.00	1.92	.00	4.81	2.88	2.88	1.92	6.73	2.88	.96	.96	.00	26.92
(2)	.00	.00	.00	.00	.05	.00	.10	.00	.25	.15	.15	.10	.34	.15	.05	.05	.00	1.38
4-7	0	0	1	0	0	0	1	2	5	15	20	9	2	3	2	0	0	60
(1)	.00	.00	.96	.00	.00	.00	.96	1.92	4.81	14.42	19.23	8.65	1.92	2.88	1.92	.00	.00	57.69
(2)	.00	.00	.05	.00	.00	.00	.05	.10	.25	.74	.98	.44	.10	.15	.10	.00	.00	2.95
8-12	0	0	0	0	0	0	0	0	4	3	6	2	0	0	0	0	0	15
(1)	.00	.00	.00	.00	.00	.00	.00	.00	3.85	2.88	5.77	1.92	.00	.00	.00	.00	.00	14.42
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.20	.15	.30	.10	.00	.00	.00	.00	.00	.74
13-18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.96	.00	.00	.00	.00	.96
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	1	0	1	0	3	2	14	21	29	13	10	6	3	1	0	104
(1)	.00	.00	.96	.00	.96	.00	2.88	1.92	13.46	20.19	27.88	12.50	9.62	5.77	2.88	.96	.00	100.00
(2)	.00	.00	.05	.00	.05	.00	.15	.10	.69	1.03	1.43	.64	.49	.30	.15	.05	.00	5.12

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.43

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	1	1	0	2	1	0	1	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	3.45	3.45	.00	6.90	3.45	.00	3.45	.00	.00	.00	20.69
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.10	.05	.00	.05	.00	.00	.00	.30
4-7	0	1	1	0	0	0	0	0	1	2	3	1	0	0	0	0	0	9
(1)	.00	3.45	3.45	.00	.00	.00	.00	.00	3.45	6.90	10.34	3.45	.00	.00	.00	.00	.00	31.03
(2)	.00	.05	.05	.00	.00	.00	.00	.00	.05	.10	.15	.05	.00	.00	.00	.00	.00	.44
8-12	0	0	0	0	0	0	1	0	0	4	3	0	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	3.45	.00	.00	13.79	10.34	.00	.00	.00	.00	.00	.00	27.59
(2)	.00	.00	.00	.00	.00	.00	.05	.00	.00	.20	.15	.00	.00	.00	.00	.00	.00	.39
13-18	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4
(1)	10.34	.00	.00	.00	3.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	13.79
(2)	.15	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20
19-24	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
(1)	3.45	.00	.00	.00	3.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.90
(2)	.05	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	4	1	1	0	2	0	1	1	2	6	8	2	0	1	0	0	0	29
(1)	13.79	3.45	3.45	.00	6.90	.00	3.45	3.45	6.90	20.69	27.59	6.90	.00	3.45	.00	.00	.00	100.00
(2)	.20	.05	.05	.00	.10	.00	.05	.05	.10	.30	.39	.10	.00	.05	.00	.00	.00	1.43

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

Table 4A-1 (continued)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	14	5	5	3	3	1	13	22	31	17	22	13	17	20	14	16	0	216
(1)	.69	.25	.25	.15	.15	.05	.64	1.08	1.53	.84	1.08	.64	.84	.98	.69	.79	.00	10.63
(2)	.69	.25	.25	.15	.15	.05	.64	1.08	1.53	.84	1.08	.64	.84	.98	.69	.79	.00	10.63
4-7	75	56	45	36	8	16	34	41	76	94	91	108	63	72	68	58	0	941
(1)	3.69	2.76	2.21	1.77	.39	.79	1.67	2.02	3.74	4.63	4.48	5.31	3.10	3.54	3.35	2.85	.00	46.31
(2)	3.69	2.76	2.21	1.77	.39	.79	1.67	2.02	3.74	4.63	4.48	5.31	3.10	3.54	3.35	2.85	.00	46.31
8-12	64	49	46	23	11	6	9	11	70	89	62	77	95	52	47	38	0	749
(1)	3.15	2.41	2.26	1.13	.54	.30	.44	.54	3.44	4.38	3.05	3.79	4.68	2.56	2.31	1.87	.00	36.86
(2)	3.15	2.41	2.26	1.13	.54	.30	.44	.54	3.44	4.38	3.05	3.79	4.68	2.56	2.31	1.87	.00	36.86
13-18	5	9	6	1	1	0	0	2	24	16	1	9	28	7	4	0	0	113
(1)	.25	.44	.30	.05	.05	.00	.00	.10	1.18	.79	.05	.44	1.38	.34	.20	.00	.00	5.56
(2)	.25	.44	.30	.05	.05	.00	.00	.10	1.18	.79	.05	.44	1.38	.34	.20	.00	.00	5.56
19-24	1	0	0	0	1	0	0	2	6	3	0	0	0	0	0	0	0	13
(1)	.05	.00	.00	.00	.05	.00	.00	.10	.30	.15	.00	.00	.00	.00	.00	.00	.00	.64
(2)	.05	.00	.00	.00	.05	.00	.00	.10	.30	.15	.00	.00	.00	.00	.00	.00	.00	.64
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	159	119	102	63	24	23	56	78	207	219	176	207	203	151	133	112	0	2032
(1)	7.82	5.86	5.02	3.10	1.18	1.13	2.76	3.84	10.19	10.78	8.66	10.19	9.99	7.43	6.55	5.51	.00	100.00
(2)	7.82	5.86	5.02	3.10	1.18	1.13	2.76	3.84	10.19	10.78	8.66	10.19	9.99	7.43	6.55	5.51	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 24.87

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19
(2)	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
C-3	0	7	9	14	10	3	1	1	3	0	1	2	2	0	0	6	0	59
(1)	.00	1.32	1.70	2.65	1.89	.57	.19	.19	.57	.00	.19	.38	.38	.00	.00	1.13	.00	11.15
(2)	.00	.33	.42	.66	.47	.14	.05	.05	.14	.00	.05	.09	.09	.00	.00	.28	.00	2.77
4-7	18	23	25	12	22	33	12	4	6	9	9	11	21	12	8	17	0	242
(1)	3.40	4.35	4.73	2.27	4.16	6.24	2.27	.76	1.13	1.70	1.70	2.08	3.97	2.27	1.51	3.21	.00	45.75
(2)	.85	1.08	1.18	.56	1.03	1.55	.56	.19	.28	.42	.42	.52	.99	.56	.38	.80	.00	11.38
8-12	13	7	7	7	7	6	5	3	16	33	22	22	21	12	4	6	0	191
(1)	2.46	1.32	1.32	1.32	1.32	1.13	.95	.57	3.02	6.24	4.16	4.16	3.97	2.27	.76	1.13	.00	36.11
(2)	.61	.33	.33	.33	.33	.28	.24	.14	.75	1.55	1.03	1.03	.99	.56	.19	.28	.00	8.98
13-18	1	1	0	0	0	0	0	0	6	14	3	0	5	2	1	1	0	34
(1)	.19	.19	.00	.00	.00	.00	.00	.00	1.13	2.65	.57	.00	.95	.38	.19	.19	.00	6.43
(2)	.05	.05	.00	.00	.00	.00	.00	.00	.28	.66	.14	.00	.24	.09	.05	.05	.00	1.60
19-24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19	.19	.00	.00	.00	.38
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.00	.00	.09
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	32	38	41	34	39	42	18	8	31	56	35	35	50	27	13	30	0	529
(1)	6.05	7.18	7.75	6.43	7.37	7.94	3.40	1.51	5.86	10.59	6.62	6.62	9.45	5.10	2.46	5.67	.00	100.00
(2)	1.50	1.79	1.93	1.60	1.83	1.97	.85	.38	1.46	2.63	1.65	1.65	2.35	1.27	.61	1.41	.00	24.87

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 2.73

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	1.72	.00	1.72	.00	.00	.00	.00	.00	.00	3.45
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.00	.00	.00	.00	.00	.09
4-7	2	1	3	6	0	1	2	0	3	5	1	2	3	1	2	4	0	36
(1)	3.45	1.72	5.17	10.34	.00	1.72	3.45	.00	5.17	8.62	1.72	3.45	5.17	1.72	3.45	6.90	.00	62.07
(2)	.09	.05	.14	.28	.00	.05	.09	.00	.14	.24	.05	.09	.14	.05	.09	.19	.00	1.69
8-12	2	0	0	1	0	0	0	1	1	8	2	1	0	0	0	0	0	16
(1)	3.45	.00	.00	1.72	.00	.00	.00	1.72	1.72	13.79	3.45	1.72	.00	.00	.00	.00	.00	27.59
(2)	.09	.00	.00	.05	.00	.00	.00	.05	.05	.38	.09	.05	.00	.00	.00	.00	.00	.75
13-18	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.72	.00	1.72	1.72	1.72	.00	.00	6.90
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.05	.05	.00	.00	.19
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	4	1	3	7	0	1	2	1	5	13	5	3	4	2	3	4	0	58
(1)	6.90	1.72	5.17	12.07	.00	1.72	3.45	1.72	8.62	22.41	8.62	5.17	6.90	3.45	5.17	6.90	.00	100.00
(2)	.19	.05	.14	.33	.00	.05	.09	.05	.24	.61	.24	.14	.19	.09	.14	.19	.00	2.73

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 3.06

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2
(1)	.00	.00	1.54	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.54	.00	3.08
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.09
4-7	1	2	5	2	1	3	2	0	1	7	3	2	2	3	4	3	0	41
(1)	1.54	3.08	7.69	3.08	1.54	4.62	3.08	.00	1.54	10.77	4.62	3.08	3.08	4.62	6.15	4.62	.00	63.08
(2)	.05	.09	.24	.09	.05	.14	.09	.00	.05	.33	.14	.09	.09	.14	.19	.14	.00	1.93
8-12	1	1	0	1	1	1	0	0	2	7	2	0	2	1	0	0	0	19
(1)	1.54	1.54	.00	1.54	1.54	1.54	.00	.00	3.08	10.77	3.08	.00	3.08	1.54	.00	.00	.00	29.23
(2)	.05	.05	.00	.05	.05	.05	.00	.00	.09	.33	.09	.00	.09	.05	.00	.00	.00	.89
13-18	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	3
(1)	.00	1.54	.00	.00	.00	.00	.00	.00	.00	1.54	.00	.00	.00	.00	1.54	.00	.00	4.62
(2)	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05	.00	.00	.14
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	2	4	6	3	2	4	2	0	3	15	5	2	4	4	5	4	0	65
(1)	3.08	6.15	9.23	4.62	3.08	6.15	3.08	.00	4.62	23.08	7.69	3.08	6.15	6.15	7.69	6.15	.00	100.00
(2)	.09	.19	.28	.14	.09	.19	.09	.00	.14	.71	.24	.09	.19	.19	.24	.19	.00	3.06

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 28.07

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34	.00	.00	.00	.34
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.09
C-3	6	9	2	4	5	8	8	4	10	9	4	4	4	8	9	10	0	104
(1)	1.01	1.51	.34	.67	.84	1.34	1.34	.67	1.68	1.51	.67	.67	.67	1.34	1.51	1.68	.00	17.42
(2)	.28	.42	.09	.19	.24	.38	.38	.19	.47	.42	.19	.19	.19	.38	.42	.47	.00	4.89
4-7	24	9	17	16	16	10	28	18	26	24	8	10	15	14	14	17	0	266
(1)	4.02	1.51	2.85	2.68	2.68	1.68	4.69	3.02	4.36	4.02	1.34	1.68	2.51	2.35	2.35	2.85	.00	44.56
(2)	1.13	.42	.80	.75	.75	.47	1.32	.85	1.22	1.13	.38	.47	.71	.66	.66	.80	.00	12.51
8-12	16	10	6	2	10	3	8	6	29	42	7	7	16	7	11	16	0	196
(1)	2.68	1.68	1.01	.34	1.68	.50	1.34	1.01	4.86	7.04	1.17	1.17	2.68	1.17	1.84	2.68	.00	32.83
(2)	.75	.47	.28	.09	.47	.14	.38	.28	1.36	1.97	.33	.33	.75	.33	.52	.75	.00	9.21
13-18	0	4	1	0	0	0	0	1	3	2	0	1	8	2	6	1	0	29
(1)	.00	.67	.17	.00	.00	.00	.00	.17	.50	.34	.00	.17	1.34	.34	1.01	.17	.00	4.86
(2)	.00	.19	.05	.00	.00	.00	.00	.05	.14	.09	.00	.05	.38	.09	.28	.05	.00	1.36
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	46	32	26	22	31	21	44	29	68	77	19	22	43	33	40	44	0	597
(1)	7.71	5.36	4.36	3.69	5.19	3.52	7.37	4.86	11.39	12.90	3.18	3.69	7.20	5.53	6.70	7.37	.00	100.00
(2)	2.16	1.50	1.22	1.03	1.46	.99	2.07	1.36	3.20	3.62	.89	1.03	2.02	1.55	1.88	2.07	.00	28.07

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 28.91

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
(1)	.00	.00	.00	.00	.00	.16	.16	.00	.16	.00	.00	.00	.00	.00	.00	.00	.00	.49
(2)	.00	.00	.00	.00	.00	.05	.05	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.14
C-3	2	5	2	3	11	10	12	9	6	8	5	5	6	11	12	4	0	111
(1)	.33	.81	.33	.49	1.79	1.63	1.95	1.46	.98	1.30	.81	.81	.98	1.79	1.95	.65	.00	18.05
(2)	.09	.24	.09	.14	.52	.47	.56	.42	.28	.38	.24	.24	.28	.52	.56	.19	.00	5.22
4-7	19	5	6	4	3	9	10	29	27	26	12	26	24	23	18	12	0	253
(1)	3.09	.81	.98	.65	.49	1.46	1.63	4.72	4.39	4.23	1.95	4.23	3.90	3.74	2.93	1.95	.00	41.14
(2)	.89	.24	.28	.19	.14	.42	.47	1.36	1.27	1.22	.56	1.22	1.13	1.08	.85	.56	.00	11.89
8-12	4	9	3	1	7	0	0	6	18	103	25	6	4	8	9	15	0	218
(1)	.65	1.46	.49	.16	1.14	.00	.00	.98	2.93	16.75	4.07	.98	.65	1.30	1.46	2.44	.00	35.45
(2)	.19	.42	.14	.05	.33	.00	.00	.28	.85	4.84	1.18	.28	.19	.38	.42	.71	.00	10.25
13-18	0	0	0	0	0	0	0	0	5	6	4	0	2	1	4	3	0	25
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.81	.98	.65	.00	.33	.16	.65	.49	.00	4.07
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.24	.28	.19	.00	.09	.05	.19	.14	.00	1.18
19-24	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.16	.00	.00	.00	.00	.00	.00	.65	.00	.81
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.19	.00	.24
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	25	19	11	8	21	20	23	44	58	143	46	37	36	43	43	38	0	615
(1)	4.07	3.09	1.79	1.30	3.41	3.25	3.74	7.15	9.43	23.25	7.48	6.02	5.85	6.99	6.99	6.18	.00	100.00
(2)	1.18	.89	.52	.38	.99	.94	1.08	2.07	2.73	6.72	2.16	1.74	1.69	2.02	2.02	1.79	.00	28.91

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 8.84

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.53	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.53
(2)	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
C-3	1	0	1	1	1	4	4	5	3	3	2	7	7	2	0	1	0	42
(1)	.53	.00	.53	.53	.53	2.13	2.13	2.66	1.60	1.60	1.06	3.72	3.72	1.06	.00	.53	.00	22.34
(2)	.05	.00	.05	.05	.05	.19	.19	.24	.14	.14	.09	.33	.33	.09	.00	.05	.00	1.97
4-7	0	0	0	0	2	2	1	3	6	3	12	16	19	7	0	1	0	72
(1)	.00	.00	.00	.00	1.06	1.06	.53	1.60	3.19	1.60	6.38	8.51	10.11	3.72	.00	.53	.00	38.30
(2)	.00	.00	.00	.00	.09	.09	.05	.14	.28	.14	.56	.75	.89	.33	.00	.05	.00	3.39
8-12	0	0	0	0	0	0	0	1	0	19	24	1	1	1	1	0	0	48
(1)	.00	.00	.00	.00	.00	.00	.00	.53	.00	10.11	12.77	.53	.53	.53	.53	.00	.00	25.53
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.00	.89	1.13	.05	.05	.05	.05	.00	.00	2.26
13-18	0	0	0	0	0	0	0	0	0	9	15	0	0	0	1	0	0	25
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.79	7.98	.00	.00	.00	.53	.00	.00	13.30
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.42	.71	.00	.00	.00	.05	.00	.00	1.18
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	1	0	1	1	3	6	6	9	9	34	53	24	27	10	2	2	0	188
(1)	.53	.00	.53	.53	1.60	3.19	3.19	4.79	4.79	18.09	28.19	12.77	14.36	5.32	1.06	1.06	.00	100.00
(2)	.05	.00	.05	.05	.14	.28	.28	.42	.42	1.60	2.49	1.13	1.27	.47	.09	.09	.00	8.84

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 3.53

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	1.33	1.33	.00	.00	.00	.00	.00	.00	.00	.00	2.67
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.09
C-3	0	0	0	0	0	1	0	9	2	6	11	3	1	0	0	0	0	33
(1)	.00	.00	.00	.00	.00	1.33	.00	12.00	2.67	8.00	14.67	4.00	1.33	.00	.00	.00	.00	44.00
(2)	.00	.00	.00	.00	.00	.05	.00	.42	.09	.28	.52	.14	.05	.00	.00	.00	.00	1.55
4-7	0	0	0	1	0	0	0	10	5	0	4	5	2	0	0	0	0	27
(1)	.00	.00	.00	1.33	.00	.00	.00	13.33	6.67	.00	5.33	6.67	2.67	.00	.00	.00	.00	36.00
(2)	.00	.00	.00	.05	.00	.00	.00	.47	.24	.00	.19	.24	.09	.00	.00	.00	.00	1.27
8-12	0	0	0	0	0	0	0	0	0	2	8	0	1	0	0	0	0	11
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.67	10.67	.00	1.33	.00	.00	.00	.00	14.67
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.38	.00	.05	.00	.00	.00	.00	.52
13-18	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.33	.00	.00	.00	.00	.00	.00	1.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05
19-24	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.33	.00	.00	.00	.00	.00	.00	1.33
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	0	0	0	1	0	1	0	20	8	8	25	8	4	0	0	0	0	75
(1)	.00	.00	.00	1.33	.00	1.33	.00	26.67	10.67	10.67	33.33	10.67	5.33	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.05	.00	.05	.00	.94	.38	.38	1.18	.38	.19	.00	.00	.00	.00	3.53

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

Table 4A-1 (continued)

PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	1	0	1	2	1	2	0	0	0	0	2	0	0	0	9
(1)	.00	.00	.00	.05	.00	.05	.09	.05	.09	.00	.00	.00	.00	.09	.00	.00	.00	.42
(2)	.00	.00	.00	.05	.00	.05	.09	.05	.09	.00	.00	.00	.00	.09	.00	.00	.00	.42
C-3	9	21	15	22	27	26	25	28	25	26	24	21	20	21	21	22	0	353
(1)	.42	.99	.71	1.03	1.27	1.22	1.18	1.32	1.18	1.22	1.13	.99	.94	.99	.99	1.03	.00	16.60
(2)	.42	.99	.71	1.03	1.27	1.22	1.18	1.32	1.18	1.22	1.13	.99	.94	.99	.99	1.03	.00	16.60
4-7	64	40	56	41	44	58	55	64	74	74	49	72	86	60	46	54	0	937
(1)	3.01	1.88	2.63	1.93	2.07	2.73	2.59	3.01	3.48	3.48	2.30	3.39	4.04	2.82	2.16	2.54	.00	44.05
(2)	3.01	1.88	2.63	1.93	2.07	2.73	2.59	3.01	3.48	3.48	2.30	3.39	4.04	2.82	2.16	2.54	.00	44.05
8-12	36	27	16	12	25	10	13	17	66	214	90	37	45	29	25	37	0	699
(1)	1.69	1.27	.75	.56	1.18	.47	.61	.80	3.10	10.06	4.23	1.74	2.12	1.36	1.18	1.74	.00	32.86
(2)	1.69	1.27	.75	.56	1.18	.47	.61	.80	3.10	10.06	4.23	1.74	2.12	1.36	1.18	1.74	.00	32.86
13-18	1	6	1	0	0	0	0	1	14	32	24	1	16	6	14	5	0	121
(1)	.05	.28	.05	.00	.00	.00	.00	.05	.66	1.50	1.13	.05	.75	.28	.66	.24	.00	5.69
(2)	.05	.28	.05	.00	.00	.00	.00	.05	.66	1.50	1.13	.05	.75	.28	.66	.24	.00	5.69
19-24	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	4	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.05	.05	.00	.19	.00	.38
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.05	.05	.00	.19	.00	.38
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ALL SPEEDS	110	94	88	76	96	95	95	111	182	346	188	131	168	119	106	122	0	2127
(1)	5.17	4.42	4.14	3.57	4.51	4.47	4.47	5.22	8.56	16.27	8.84	6.16	7.90	5.59	4.98	5.74	.00	100.00
(2)	5.17	4.42	4.14	3.57	4.51	4.47	4.47	5.22	8.56	16.27	8.84	6.16	7.90	5.59	4.98	5.74	.00	100.00

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

Table 4A-2
Distributions of Wind Directions and Speeds
for the 220-ft Level of the 220-ft Tower

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 10.99

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	1	2	4	1	1	0	0	1	0	0	0	0	0	0	0	2	0	12
(1)	.43	.87	1.74	.43	.43	.00	.00	.43	.00	.00	.00	.00	.00	.00	.00	.87	.00	5.22
(2)	.05	.10	.19	.05	.05	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.10	.00	.57
8-12	13	5	4	5	8	2	1	1	2	1	0	5	5	1	2	3	0	58
(1)	5.65	2.17	1.74	2.17	3.48	.87	.43	.43	.87	.43	.00	2.17	2.17	.43	.87	1.30	.00	25.22
(2)	.62	.24	.19	.24	.38	.10	.05	.05	.10	.05	.00	.24	.24	.05	.10	.14	.00	2.77
13-18	12	9	0	0	2	0	2	0	3	5	6	6	7	15	4	11	0	82
(1)	5.22	3.91	.00	.00	.87	.00	.87	.00	1.30	2.17	2.61	2.61	3.04	6.52	1.74	4.78	.00	35.65
(2)	.57	.43	.00	.00	.10	.00	.10	.00	.14	.24	.29	.29	.33	.72	.19	.53	.00	3.92
19-24	6	4	1	0	0	0	0	0	1	0	0	1	14	10	6	15	0	58
(1)	2.61	1.74	.43	.00	.00	.00	.00	.00	.43	.00	.00	.43	6.09	4.35	2.61	6.52	.00	25.22
(2)	.29	.19	.05	.00	.00	.00	.00	.00	.05	.00	.00	.05	.67	.48	.29	.72	.00	2.77
GT 24	0	0	0	0	0	0	0	0	0	0	0	1	11	4	3	1	0	20
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43	4.78	1.74	1.30	.43	.00	8.70
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.53	.19	.14	.05	.00	.96
ALL SPEEDS	32	20	9	6	11	2	3	2	6	6	6	13	37	30	15	32	0	230
(1)	13.91	8.70	3.91	2.61	4.78	.87	1.30	.87	2.61	2.61	2.61	5.65	16.09	13.04	6.52	13.91	.00	100.00
(2)	1.53	.96	.43	.29	.53	.10	.14	.10	.29	.29	.29	.62	1.77	1.43	.72	1.53	.00	10.99

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.39

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	0	0	4
(1)	.00	.00	.00	1.41	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.41	2.82	.00	.00	5.63
(2)	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.10	.00	.00	.19
8-12	1	0	2	0	2	0	0	0	0	0	1	4	0	2	0	1	0	13
(1)	1.41	.00	2.82	.00	2.82	.00	.00	.00	.00	.00	1.41	5.63	.00	2.82	.00	1.41	.00	18.31
(2)	.05	.00	.10	.00	.10	.00	.00	.00	.00	.00	.05	.19	.00	.10	.00	.05	.00	.62
13-18	2	2	4	0	0	0	2	0	3	1	4	3	4	3	1	1	0	30
(1)	2.82	2.82	5.63	.00	.00	.00	2.82	.00	4.23	1.41	5.63	4.23	5.63	4.23	1.41	1.41	.00	42.25
(2)	.10	.10	.19	.00	.00	.00	.10	.00	.14	.05	.19	.14	.19	.14	.05	.05	.00	1.43
19-24	1	6	0	0	0	0	0	0	0	0	0	2	2	4	0	2	0	17
(1)	1.41	8.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.82	2.82	5.63	.00	2.82	.00	23.94
(2)	.05	.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.10	.19	.00	.10	.00	.81
GT 24	0	3	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	7
(1)	.00	4.23	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.41	2.82	1.41	.00	.00	.00	9.86
(2)	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.10	.05	.00	.00	.00	.33
ALL SPEEDS	4	11	6	1	2	0	2	0	3	1	5	10	8	11	3	4	0	71
(1)	5.63	15.49	8.45	1.41	2.82	.00	2.82	.00	4.23	1.41	7.04	14.08	11.27	15.49	4.23	5.63	.00	100.00
(2)	.19	.53	.29	.05	.10	.00	.10	.00	.14	.05	.24	.48	.38	.53	.14	.19	.00	3.39

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C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 3.63

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	2	1	0	0	0	0	0	0	0	0	0	0	1	2	0	1	0	7
(1)	2.63	1.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.32	2.63	.00	1.32	.00	9.21
(2)	.10	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.10	.00	.05	.00	.33
8-12	1	0	1	0	1	2	0	0	0	2	1	0	2	2	0	0	0	12
(1)	1.32	.00	1.32	.00	1.32	2.63	.00	.00	.00	2.63	1.32	.00	2.63	2.63	.00	.00	.00	15.79
(2)	.05	.00	.05	.00	.05	.10	.00	.00	.00	.10	.05	.00	.10	.10	.00	.00	.00	.57
13-18	0	1	6	1	1	1	0	0	1	2	3	9	4	2	1	1	0	33
(1)	.00	1.32	7.89	1.32	1.32	1.32	.00	.00	1.32	2.63	3.95	11.84	5.26	2.63	1.32	1.32	.00	43.42
(2)	.00	.05	.29	.05	.05	.05	.00	.00	.05	.10	.14	.43	.19	.10	.05	.05	.00	1.58
19-24	2	2	0	0	0	0	0	0	1	2	0	0	1	3	2	3	0	16
(1)	2.63	2.63	.00	.00	.00	.00	.00	.00	1.32	2.63	.00	.00	1.32	3.95	2.63	3.95	.00	21.05
(2)	.10	.10	.00	.00	.00	.00	.00	.00	.05	.10	.00	.00	.05	.14	.10	.14	.00	.76
GT 24	1	3	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	8
(1)	1.32	3.95	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.32	.00	1.32	2.63	.00	10.53
(2)	.05	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.10	.00	.38
ALL SPEEDS	6	7	7	1	2	3	0	0	2	6	4	9	9	9	4	7	0	76
(1)	7.89	9.21	9.21	1.32	2.63	3.95	.00	.00	2.63	7.89	5.26	11.84	11.84	11.84	5.26	9.21	.00	100.00
(2)	.29	.33	.33	.05	.10	.14	.00	.00	.10	.29	.19	.43	.43	.43	.19	.33	.00	3.63

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PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 43.57

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	1	1	1	0	0	0	0	1	1	0	0	0	2	1	0	0	0	8
(1)	.11	.11	.11	.00	.00	.00	.00	.11	.11	.00	.00	.00	.22	.11	.00	.00	.00	.88
(2)	.05	.05	.05	.00	.00	.00	.00	.05	.05	.00	.00	.00	.10	.05	.00	.00	.00	.38
4-7	4	1	4	2	6	3	4	5	2	2	5	3	3	5	2	4	0	55
(1)	.44	.11	.44	.22	.66	.33	.44	.55	.22	.22	.55	.33	.33	.55	.22	.44	.00	6.03
(2)	.19	.05	.19	.10	.29	.14	.19	.24	.10	.10	.24	.14	.14	.24	.10	.19	.00	2.63
8-12	8	9	10	7	7	16	7	11	21	28	17	27	14	5	4	5	0	196
(1)	.88	.99	1.10	.77	.77	1.75	.77	1.21	2.30	3.07	1.86	2.96	1.54	.55	.44	.55	.00	21.49
(2)	.38	.43	.48	.33	.33	.76	.33	.53	1.00	1.34	.81	1.29	.67	.24	.19	.24	.00	9.36
13-18	23	11	10	17	3	7	6	2	25	19	27	25	13	15	21	13	0	237
(1)	2.52	1.21	1.10	1.86	.33	.77	.66	.22	2.74	2.08	2.96	2.74	1.43	1.64	2.30	1.43	.00	25.99
(2)	1.10	.53	.48	.81	.14	.33	.29	.10	1.19	.91	1.29	1.19	.62	.72	1.00	.62	.00	11.32
19-24	23	8	9	2	7	5	3	1	12	11	15	16	49	16	59	35	0	271
(1)	2.52	.88	.99	.22	.77	.55	.33	.11	1.32	1.21	1.64	1.75	5.37	1.75	6.47	3.84	.00	29.71
(2)	1.10	.38	.43	.10	.33	.24	.14	.05	.57	.53	.72	.76	2.34	.76	2.82	1.67	.00	12.95
GT 24	7	8	0	2	2	3	0	1	15	5	1	3	49	18	20	11	0	145
(1)	.77	.88	.00	.22	.22	.33	.00	.11	1.64	.55	.11	.33	5.37	1.97	2.19	1.21	.00	15.90
(2)	.33	.38	.00	.10	.10	.14	.00	.05	.72	.24	.05	.14	2.34	.86	.96	.53	.00	6.93
ALL SPEEDS	66	38	34	30	25	34	20	21	76	65	65	74	130	60	106	68	0	912
(1)	7.24	4.17	3.73	3.29	2.74	3.73	2.19	2.30	8.33	7.13	7.13	8.11	14.25	6.58	11.62	7.46	.00	100.00
(2)	3.15	1.82	1.62	1.43	1.19	1.62	.96	1.00	3.63	3.11	3.11	3.54	6.21	2.87	5.06	3.25	.00	43.57

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PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 32.06

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	2	3	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	9
(1)	.30	.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	.15	.30	.00	1.34
(2)	.10	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.05	.10	.00	.43
4-7	5	8	5	0	4	3	2	3	2	5	2	1	2	2	3	6	0	53
(1)	.75	1.19	.75	.00	.60	.45	.30	.45	.30	.75	.30	.15	.30	.30	.45	.89	.00	7.90
(2)	.24	.38	.24	.00	.19	.14	.10	.14	.10	.24	.10	.05	.10	.10	.14	.29	.00	2.53
8-12	5	4	3	4	4	7	18	16	20	22	8	11	10	17	10	2	0	161
(1)	.75	.60	.45	.60	.60	1.04	2.68	2.38	2.98	3.28	1.19	1.64	1.49	2.53	1.49	.30	.00	23.99
(2)	.24	.19	.14	.19	.19	.33	.86	.76	.96	1.05	.38	.53	.48	.81	.48	.10	.00	7.69
13-18	14	7	4	2	5	9	17	8	30	34	36	35	25	20	26	20	0	292
(1)	2.09	1.04	.60	.30	.75	1.34	2.53	1.19	4.47	5.07	5.37	5.22	3.73	2.98	3.87	2.98	.00	43.52
(2)	.67	.33	.19	.10	.24	.43	.81	.38	1.43	1.62	1.72	1.67	1.19	.96	1.24	.96	.00	13.95
19-24	10	3	4	0	1	3	4	2	12	24	11	10	7	3	5	18	0	117
(1)	1.49	.45	.60	.00	.15	.45	.60	.30	1.79	3.58	1.64	1.49	1.04	.45	.75	2.68	.00	17.44
(2)	.48	.14	.19	.00	.05	.14	.19	.10	.57	1.15	.53	.48	.33	.14	.24	.86	.00	5.59
GT 24	3	0	0	0	0	0	0	4	13	10	1	0	3	1	2	2	0	39
(1)	.45	.00	.00	.00	.00	.00	.00	.60	1.94	1.49	.15	.00	.45	.15	.30	.30	.00	5.81
(2)	.14	.00	.00	.00	.00	.00	.00	.19	.62	.48	.05	.00	.14	.05	.10	.10	.00	1.86
ALL SPEEDS	39	25	16	6	14	22	41	33	77	95	58	58	47	43	47	50	0	671
(1)	5.81	3.73	2.38	.89	2.09	3.28	6.11	4.92	11.48	14.16	8.64	8.64	7.00	6.41	7.00	7.45	.00	100.00
(2)	1.86	1.19	.76	.29	.67	1.05	1.96	1.58	3.68	4.54	2.77	2.77	2.25	2.05	2.25	2.39	.00	32.06

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PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 4.97

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	1	0	0	0	0	0	0	0	0	0	0	,	0	1	0	3
(1)	.00	.00	.96	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.96	.00	.96	.00	2.88
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.00	.14
4-7	1	1	1	0	0	1	0	1	0	3	4	3	0	1	1	3	0	20
(1)	.96	.96	.96	.00	.00	.96	.00	.96	.00	2.88	3.85	2.88	.00	.96	.96	2.88	.00	19.23
(2)	.05	.05	.05	.00	.00	.05	.00	.05	.00	.14	.19	.14	.00	.05	.05	.14	.00	.96
8-12	0	0	0	0	0	1	0	4	2	3	3	3	5	5	1	0	0	27
(1)	.00	.00	.00	.00	.00	.96	.00	3.85	1.92	2.88	2.88	2.88	4.81	4.81	.96	.00	.00	25.96
(2)	.00	.00	.00	.00	.00	.05	.00	.19	.10	.14	.14	.14	.24	.24	.05	.00	.00	1.29
13-18	0	0	0	0	0	0	0	6	3	6	7	10	4	1	1	0	0	38
(1)	.00	.00	.00	.00	.00	.00	.00	5.77	2.88	5.77	6.73	9.62	3.85	.96	.96	.00	.00	36.54
(2)	.00	.00	.00	.00	.00	.00	.00	.29	.14	.29	.33	.48	.19	.05	.05	.00	.00	1.82
19-24	0	0	0	0	0	0	0	1	2	2	4	3	1	0	0	2	0	15
(1)	.00	.00	.00	.00	.00	.00	.00	.96	1.92	1.92	3.85	2.88	.96	.00	.00	1.92	.00	14.42
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.10	.10	.19	.14	.05	.00	.00	.10	.00	.72
GT 24	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.96	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.96
(2)	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
ALL SPEEDS	1	1	2	0	1	2	0	12	7	14	18	19	10	8	3	6	0	104
(1)	.96	.96	1.92	.00	.96	1.92	.00	11.54	6.73	13.46	17.31	18.27	9.62	7.69	2.88	5.77	.00	100.00
(2)	.05	.05	.10	.00	.05	.10	.00	.57	.33	.67	.86	.91	.48	.38	.14	.29	.00	4.97

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.39

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	0	0	0	0	0	0	0	0	1	0	1	1	0	0	2	0	0	5
(1)	.00	.00	.00	.00	.00	.00	.00	.00	3.45	.00	3.45	3.45	.00	.00	6.90	.00	.00	17.24
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05	.05	.00	.00	.10	.00	.00	.24
8-12	0	0	0	0	0	0	1	0	3	0	0	0	0	1	0	0	0	5
(1)	.00	.00	.00	.00	.00	.00	3.45	.00	10.34	.00	.00	.00	.00	3.45	.00	.00	.00	17.24
(2)	.00	.00	.00	.00	.00	.00	.05	.00	.14	.00	.00	.00	.00	.05	.00	.00	.00	.24
13-18	0	0	0	0	0	0	0	0	0	0	1	3	2	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.45	10.34	6.90	.00	.00	.00	.00	20.69
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.14	.10	.00	.00	.00	.00	.29
19-24	0	0	0	0	0	0	1	0	0	0	5	0	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	3.45	.00	.00	.00	17.24	.00	.00	.00	.00	.00	.00	20.69
(2)	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.24	.00	.00	.00	.00	.00	.00	.29
GT 24	0	0	0	1	5	1	0	0	0	0	0	0	0	0	0	0	0	7
(1)	.00	.00	.00	3.45	17.24	3.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	24.14
(2)	.00	.00	.00	.05	.24	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.33
ALL SPEEDS	0	0	0	1	5	1	2	0	4	0	7	4	2	1	2	0	0	29
(1)	.00	.00	.00	3.45	17.24	3.45	6.90	.00	13.79	.00	24.14	13.79	6.90	3.45	6.90	.00	.00	100.00
(2)	.00	.00	.00	.05	.24	.05	.10	.00	.19	.00	.33	.19	.10	.05	.10	.00	.00	1.39

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM JAN95-MAR95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	3	4	2	0	0	0	0	1	1	0	0	1	2	2	1	3	0	20
(1)	.14	.19	.10	.00	.00	.00	.00	.05	.05	.00	.00	.05	.10	.10	.05	.14	.00	.96
(2)	.14	.19	.10	.00	.00	.00	.00	.05	.05	.00	.00	.05	.10	.10	.05	.14	.00	.96
4-7	13	13	14	4	11	7	6	10	5	10	12	8	6	11	10	16	0	156
(1)	.62	.62	.67	.19	.53	.33	.29	.48	.24	.48	.57	.38	.29	.53	.48	.76	.00	7.45
(2)	.62	.62	.67	.19	.53	.33	.29	.48	.24	.48	.57	.38	.29	.53	.48	.76	.00	7.45
8-12	28	18	20	16	22	28	27	32	48	56	30	50	36	33	17	11	0	472
(1)	1.34	.86	.96	.76	1.05	1.34	1.29	1.53	2.29	2.68	1.43	2.39	1.72	1.58	.81	.53	.00	22.55
(2)	1.34	.86	.96	.76	1.05	1.34	1.29	1.53	2.29	2.68	1.43	2.39	1.72	1.58	.81	.53	.00	22.55
13-18	51	30	24	20	11	17	27	16	65	67	84	91	59	56	54	46	0	718
(1)	2.44	1.43	1.15	.96	.53	.81	1.29	.76	3.11	3.20	4.01	4.35	2.82	2.68	2.58	2.20	.00	34.30
(2)	2.44	1.43	1.15	.96	.53	.81	1.29	.76	3.11	3.20	4.01	4.35	2.82	2.68	2.58	2.20	.00	34.30
19-24	42	23	14	2	8	8	8	4	28	39	35	32	74	36	72	75	0	500
(1)	2.01	1.10	.67	.10	.38	.38	.38	.19	1.34	1.86	1.67	1.53	3.54	1.72	3.44	3.58	.00	23.89
(2)	2.01	1.10	.67	.10	.38	.38	.38	.19	1.34	1.86	1.67	1.53	3.54	1.72	3.44	3.58	.00	23.89
GT 24	11	14	0	3	8	4	0	5	28	15	2	5	66	24	26	16	0	227
(1)	.53	.67	.00	.14	.38	.19	.00	.24	1.34	.72	.10	.24	3.15	1.15	1.24	.76	.00	10.85
(2)	.53	.67	.00	.14	.38	.19	.00	.24	1.34	.72	.10	.24	3.15	1.15	1.24	.76	.00	10.85
ALL SPEEDS	148	102	74	45	60	64	68	68	175	187	163	187	243	162	180	167	0	2093
(1)	7.07	4.87	3.54	2.15	2.87	3.06	3.25	3.25	8.36	8.93	7.79	8.93	11.61	7.74	8.60	7.98	.00	100.00
(2)	7.07	4.87	3.54	2.15	2.87	3.06	3.25	3.25	8.36	8.93	7.79	8.93	11.61	7.74	8.60	7.98	.00	100.00

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PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 24.87

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.19
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
C-3	0	2	4	6	2	0	1	0	1	0	0	0	1	0	0	0	0	17
(1)	.00	.38	.76	1.13	.38	.00	.19	.00	.19	.00	.00	.00	.19	.00	.00	.00	.00	3.21
(2)	.00	.09	.19	.28	.09	.00	.05	.00	.05	.00	.00	.00	.05	.00	.00	.00	.00	.80
4-7	6	11	6	12	16	8	1	1	2	0	1	4	0	1	2	4	0	75
(1)	1.13	2.08	1.13	2.27	3.02	1.51	.19	.19	.38	.00	.19	.76	.00	.19	.38	.76	.00	14.18
(2)	.28	.52	.28	.56	.75	.38	.05	.05	.09	.00	.05	.19	.00	.05	.09	.19	.00	3.53
8-12	12	11	12	13	12	25	14	4	6	7	4	9	12	7	2	6	0	156
(1)	2.27	2.08	2.27	2.46	2.27	4.73	2.65	.76	1.13	1.32	.76	1.70	2.27	1.32	.38	1.13	.00	29.49
(2)	.56	.52	.56	.61	.56	1.18	.66	.19	.28	.33	.19	.42	.56	.33	.09	.28	.00	7.33
13-18	11	7	1	2	1	14	14	5	12	19	14	21	26	9	3	11	0	170
(1)	2.08	1.32	.19	.38	.19	2.65	2.65	.95	2.27	3.59	2.65	3.97	4.91	1.70	.57	2.08	.00	32.14
(2)	.52	.33	.05	.09	.05	.66	.66	.24	.56	.89	.66	.99	1.22	.42	.14	.52	.00	7.99
19-24	2	1	5	3	0	0	0	3	5	15	6	9	6	6	0	4	0	65
(1)	.38	.19	.95	.57	.00	.00	.00	.57	.95	2.84	1.13	1.70	1.13	1.13	.00	.76	.00	12.29
(2)	.09	.05	.24	.14	.00	.00	.00	.14	.24	.71	.28	.42	.28	.28	.00	.19	.00	3.06
GT 24	1	0	0	1	0	0	0	0	5	12	2	1	7	7	1	8	0	45
(1)	.19	.00	.00	.19	.00	.00	.00	.00	.95	2.27	.38	.19	1.32	1.32	.19	1.51	.00	8.51
(2)	.05	.00	.00	.05	.00	.00	.00	.00	.24	.56	.09	.05	.33	.33	.05	.38	.00	2.12
ALL SPEEDS	32	32	29	37	31	47	30	13	31	53	27	44	52	30	8	33	0	529
(1)	6.05	6.05	5.48	6.99	5.86	8.88	5.67	2.46	5.86	10.02	5.10	8.32	9.83	5.67	1.51	6.24	.00	100.00
(2)	1.50	1.50	1.36	1.74	1.46	2.21	1.41	.61	1.46	2.49	1.27	2.07	2.44	1.41	.38	1.55	.00	24.87

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PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 2.73

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	1	1	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	6
(1)	1.72	1.72	.00	1.72	1.72	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.72	1.72	.00	10.34
(2)	.05	.05	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.28
8-12	1	2	1	5	1	5	0	0	2	1	2	1	1	2	0	0	0	24
(1)	1.72	3.45	1.72	8.62	1.72	8.62	.00	.00	3.45	1.72	3.45	1.72	1.72	3.45	.00	.00	.00	41.38
(2)	.05	.09	.05	.24	.05	.24	.00	.00	.09	.05	.09	.05	.05	.09	.00	.00	.00	1.13
13-18	0	0	0	0	1	1	1	0	4	2	1	1	0	0	1	2	0	14
(1)	.00	.00	.00	.00	1.72	1.72	1.72	.00	6.90	3.45	1.72	1.72	.00	.00	1.72	3.45	.00	24.14
(2)	.00	.00	.00	.00	.05	.05	.05	.00	.19	.09	.05	.05	.00	.00	.05	.09	.00	.66
19-24	0	0	0	0	0	0	0	2	1	4	0	1	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	3.45	1.72	6.90	.00	1.72	.00	.00	.00	.00	.00	13.79
(2)	.00	.00	.00	.00	.00	.00	.00	.09	.05	.19	.00	.05	.00	.00	.00	.00	.00	.38
GT 24	1	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	6
(1)	1.72	.00	.00	.00	.00	.00	.00	.00	.00	1.72	1.72	.00	1.72	1.72	1.72	.00	.00	10.34
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.05	.05	.05	.00	.00	.28
ALL SPEEDS	3	3	1	6	3	6	1	2	7	8	4	3	2	3	3	3	0	58
(1)	5.17	5.17	1.72	10.34	5.17	10.34	1.72	3.45	12.07	13.79	6.90	5.17	3.45	5.17	5.17	5.17	.00	100.00
(2)	.14	.14	.05	.28	.14	.28	.05	.09	.33	.38	.19	.14	.09	.14	.14	.14	.00	2.73

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PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 3.06

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
C-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4-7	0	1	4	2	0	0	3	0	0	0	0	0	0	2	2	2	0	16
(1)	.00	1.54	6.15	3.08	.00	.00	4.62	.00	.00	.00	.00	.00	.00	3.08	3.08	3.08	.00	24.62
(2)	.00	.05	.19	.09	.00	.00	.14	.00	.00	.00	.00	.00	.00	.09	.09	.09	.00	.75
8-12	0	0	0	2	2	4	2	1	1	1	2	1	2	1	1	1	0	21
(1)	.00	.00	.00	3.08	3.08	6.15	3.08	1.54	1.54	1.54	3.08	1.54	3.08	1.54	1.54	1.54	.00	32.31
(2)	.00	.00	.00	.09	.09	.19	.09	.05	.05	.05	.09	.05	.09	.05	.05	.05	.00	.99
13-18	1	0	0	0	0	0	0	0	2	3	4	1	2	0	1	0	0	14
(1)	1.54	.00	.00	.00	.00	.00	.00	.00	3.08	4.62	6.15	1.54	3.08	.00	1.54	.00	.00	21.54
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.09	.14	.19	.05	.09	.00	.05	.00	.00	.66
19-24	0	0	0	0	0	0	0	0	0	6	0	0	0	1	1	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	9.23	.00	.00	.00	1.54	1.54	.00	.00	12.31
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.00	.00	.00	.05	.05	.00	.00	.38
GT 24	3	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	6
(1)	4.62	.00	.00	.00	.00	.00	.00	.00	.00	1.54	1.54	.00	.00	.00	.00	1.54	.00	9.23
(2)	.14	.00	.00	.00	.00	.00	.00	.00	.00	.05	.0	.00	.00	.00	.00	.05	.00	.28
ALL SPEEDS	4	1	4	4	2	4	5	1	3	11	7	2	4	4	5	4	0	65
(1)	6.15	1.54	6.15	6.15	3.08	6.15	7.69	1.54	4.62	16.92	10.77	3.08	6.15	6.15	7.69	6.15	.00	100.00
(2)	.19	.05	.19	.19	.09	.19	.24	.05	.14	.52	.33	.09	.19	.19	.24	.19	.00	3.06

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PERIOD
C= CALM (WIND SPEED LESS THAN OR EQUAL TO .95 MPH)

PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 28.07

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00	.00	.17
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05
C-3	1	2	2	0	0	0	1	0	3	2	2	2	2	2	1	2	0	22
(1)	.17	.34	.34	.00	.00	.00	.17	.00	.50	.34	.34	.34	.34	.34	.17	.34	.00	3.69
(2)	.05	.09	.09	.00	.00	.00	.05	.00	.14	.09	.09	.09	.09	.09	.05	.09	.00	1.03
4-7	4	3	8	6	10	6	10	4	9	6	1	3	1	2	6	8	0	87
(1)	.67	.50	1.34	1.01	1.68	1.01	1.68	.67	1.51	1.01	.17	.50	.17	.34	1.01	1.34	.00	14.57
(2)	.19	.14	.38	.28	.47	.28	.47	.19	.42	.28	.05	.14	.05	.09	.28	.38	.00	4.09
8-12	3	8	11	3	12	20	28	8	18	13	9	7	4	4	9	5	0	162
(1)	.50	1.34	1.84	.50	2.01	3.35	4.69	1.34	3.02	2.18	1.51	1.17	.67	.67	1.51	.84	.00	27.14
(2)	.14	.38	.52	.14	.56	.94	1.32	.38	.85	.61	.42	.33	.19	.19	.42	.24	.00	7.62
13-18	7	4	5	4	15	10	14	6	13	22	6	6	7	4	6	14	0	143
(1)	1.17	.67	.84	.67	2.51	1.68	2.35	1.01	2.18	3.69	1.01	1.01	1.17	.67	1.01	2.35	.00	23.95
(2)	.33	.19	.24	.19	.71	.47	.66	.28	.61	1.03	.28	.28	.33	.19	.28	.66	.00	6.72
19-24	5	7	1	3	11	2	5	3	10	30	2	2	5	1	13	13	0	113
(1)	.84	1.17	.17	.50	1.84	.34	.84	.50	1.68	5.03	.34	.34	.84	.17	2.18	2.18	.00	18.93
(2)	.24	.33	.05	.14	.52	.09	.24	.14	.47	1.41	.09	.09	.24	.05	.61	.61	.00	5.31
GT 24	3	2	2	2	0	0	0	1	3	8	0	0	13	15	13	7	0	69
(1)	.50	.34	.34	.34	.00	.00	.00	.17	.50	1.34	.00	.00	2.18	2.51	2.18	1.17	.00	11.56
(2)	.14	.09	.09	.09	.00	.00	.00	.05	.14	.38	.00	.00	.61	.71	.61	.33	.00	3.24
ALL SPEEDS	23	26	29	18	48	38	58	22	56	81	21	20	32	28	48	49	0	597
(1)	3.85	4.36	4.86	3.02	8.04	6.37	9.72	3.69	9.38	13.57	3.52	3.35	5.36	4.69	8.04	8.21	.00	100.00
(2)	1.08	1.22	1.36	.85	2.26	1.79	2.73	1.03	2.63	3.81	.99	.94	1.50	1.32	2.26	2.30	.00	28.07

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PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 28.91

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	1	2	3	0	0	1	0	0	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.16	.33	.49	.00	.00	.16	.00	.00	.00	.00	.00	1.14
(2)	.00	.00	.00	.00	.00	.00	.05	.09	.14	.00	.00	.05	.00	.00	.00	.00	.00	.33
C-3	0	1	0	2	2	2	0	3	2	0	1	1	0	0	0	2	0	16
(1)	.00	.16	.00	.33	.33	.33	.00	.49	.33	.00	.16	.16	.00	.00	.00	.33	.00	2.60
(2)	.00	.05	.00	.09	.09	.09	.00	.14	.09	.00	.05	.05	.00	.00	.00	.09	.00	.75
4-7	4	2	1	4	6	3	3	4	2	2	3	1	3	3	6	5	0	52
(1)	.65	.33	.16	.65	.98	.49	.49	.65	.33	.33	.49	.16	.49	.49	.98	.81	.00	8.46
(2)	.19	.09	.05	.19	.28	.14	.14	.19	.09	.09	.14	.05	.14	.14	.28	.24	.00	2.44
8-12	9	2	2	5	3	6	9	13	14	14	2	3	5	10	9	10	0	116
(1)	1.46	.33	.33	.81	.49	.98	1.46	2.11	2.28	2.28	.33	.49	.81	1.63	1.46	1.63	.00	18.86
(2)	.42	.09	.09	.24	.14	.28	.42	.61	.66	.66	.09	.14	.24	.47	.42	.47	.00	5.45
13-18	6	7	5	5	4	5	8	15	20	18	15	4	24	16	18	8	0	178
(1)	.98	1.14	.81	.81	.65	.81	1.30	2.44	3.25	2.93	2.44	.65	3.90	2.60	2.93	1.30	.00	28.94
(2)	.28	.33	.24	.24	.19	.24	.38	.71	.94	.85	.71	.19	1.13	.75	.85	.38	.00	8.37
19-24	6	5	2	3	0	0	2	3	15	51	19	1	9	4	7	5	0	132
(1)	.98	.81	.33	.49	.00	.00	.33	.49	2.44	8.29	3.09	.16	1.46	.65	1.14	.81	.00	21.46
(2)	.28	.24	.09	.14	.00	.00	.09	.14	.71	2.40	.89	.05	.42	.19	.33	.24	.00	6.21
GT 24	0	0	0	4	0	0	0	0	6	38	28	3	2	6	21	6	0	114
(1)	.00	.00	.00	.65	.00	.00	.00	.00	.98	6.18	4.55	.49	.33	.98	3.41	.98	.00	18.54
(2)	.00	.00	.00	.19	.00	.00	.00	.00	.28	1.79	1.32	.14	.09	.28	.99	.28	.00	5.36
ALL SPEEDS	25	17	10	23	15	16	23	40	62	123	68	14	43	39	61	36	0	615
(1)	4.07	2.76	1.63	3.74	2.44	2.60	3.74	6.50	10.08	20.00	11.06	2.28	6.99	6.34	9.92	5.85	.00	100.00
(2)	1.18	.80	.47	1.08	.71	.75	1.08	1.88	2.91	5.78	3.20	.66	2.02	1.83	2.87	1.69	.00	28.91

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PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 8.84

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.53	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.53
(2)	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
C-3	0	0	0	0	2	0	1	0	0	0	0	0	0	1	1	0	0	5
(1)	.00	.00	.00	.00	1.06	.00	.53	.00	.00	.00	.00	.00	.00	.53	.53	.00	.00	2.66
(2)	.00	.00	.00	.00	.09	.00	.05	.00	.00	.00	.00	.00	.00	.05	.05	.00	.00	.24
4-7	0	0	0	0	3	0	0	1	2	1	4	1	0	0	3	2	0	17
(1)	.00	.00	.00	.00	1.60	.00	.00	.53	1.06	.53	2.13	.53	.00	.00	1.60	1.06	.00	9.04
(2)	.00	.00	.00	.00	.14	.00	.00	.05	.09	.05	.19	.05	.00	.00	.14	.09	.00	.80
8-12	1	1	0	2	2	0	1	4	3	2	4	3	2	9	3	3	0	40
(1)	.53	.53	.00	1.06	1.06	.00	.53	2.13	1.60	1.06	2.13	1.60	1.06	4.79	1.60	1.60	.00	21.28
(2)	.05	.05	.00	.09	.09	.00	.05	.19	.14	.09	.19	.14	.09	.42	.14	.14	.00	1.88
13-18	0	0	0	0	1	2	0	7	2	1	8	5	8	8	6	2	0	50
(1)	.00	.00	.00	.00	.53	1.06	.00	3.72	1.06	.53	4.26	2.66	4.26	4.26	3.19	1.06	.00	26.60
(2)	.00	.00	.00	.00	.05	.09	.00	.33	.09	.05	.38	.24	.38	.38	.28	.09	.00	2.35
19-24	0	0	0	0	0	0	0	1	0	7	10	8	1	3	1	1	0	32
(1)	.00	.00	.00	.00	.00	.00	.00	.53	.00	3.72	5.32	4.26	.53	1.60	.53	.53	.00	17.02
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.00	.33	.47	.38	.05	.14	.05	.05	.00	1.50
GT 24	0	0	0	0	0	0	0	0	0	11	26	5	0	0	1	0	0	43
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.85	13.83	2.66	.00	.00	.53	.00	.00	22.87
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.52	1.22	.24	.00	.00	.05	.00	.00	2.02
ALL SPEEDS	1	1	0	2	8	2	3	13	7	22	52	22	11	21	15	8	0	188
(1)	.53	.53	.00	1.06	4.26	1.06	1.60	6.91	3.72	11.70	27.66	11.70	5.85	11.17	7.98	4.26	.00	100.00
(2)	.05	.05	.00	.09	.38	.09	.14	.61	.33	1.03	2.44	1.03	.52	.99	.71	.38	.00	8.84

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PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 3.53

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	0	1	1	1	0	1	0	0	1	0	0	0	0	0	0	5
(1)	.00	.00	.00	1.33	1.33	1.33	.00	1.33	.00	.00	1.33	.00	.00	.00	.00	.00	.00	6.67
(2)	.00	.00	.00	.05	.05	.05	.00	.05	.00	.00	.05	.00	.00	.00	.00	.00	.00	.24
C-3	0	1	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	6
(1)	.00	1.33	.00	.00	.00	.00	.00	.00	.00	.00	4.00	.00	.00	.00	2.67	.00	.00	8.00
(2)	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00	.09	.00	.00	.28
4-7	0	0	1	0	2	1	1	2	1	0	3	2	0	0	0	2	0	15
(1)	.00	.00	1.33	.00	2.67	1.33	1.33	2.67	1.33	.00	4.00	2.67	.00	.00	.00	2.67	.00	20.00
(2)	.00	.00	.05	.00	.09	.05	.05	.09	.05	.00	.14	.09	.00	.00	.00	.09	.00	.71
8-12	0	1	0	0	0	0	4	2	3	1	1	1	1	1	1	0	0	16
(1)	.00	1.33	.00	.00	.00	.00	5.33	2.67	4.00	1.33	1.33	1.33	1.33	1.33	1.33	.00	.00	21.33
(2)	.00	.05	.00	.00	.00	.00	.19	.09	.14	.05	.05	.05	.05	.05	.05	.00	.00	.75
13-18	0	0	0	0	0	0	0	2	9	0	2	3	2	1	1	0	0	20
(1)	.00	.00	.00	.00	.00	.00	.00	2.67	12.00	.00	2.67	4.00	2.67	1.33	1.33	.00	.00	26.67
(2)	.00	.00	.00	.00	.00	.00	.00	.09	.42	.00	.09	.14	.09	.05	.05	.00	.00	.94
19-24	0	0	0	0	0	0	0	1	0	0	2	1	2	1	0	0	0	7
(1)	.00	.00	.00	.00	.00	.00	.00	1.33	.00	.00	2.67	1.33	2.67	1.33	.00	.00	.00	9.33
(2)	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.09	.05	.09	.05	.00	.00	.00	.33
GT 24	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.33	6.67	.00	.00	.00	.00	.00	8.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.24	.00	.00	.00	.00	.00	.28
ALL SPEEDS	0	2	1	1	3	2	5	8	13	1	13	12	5	3	4	2	0	75
(1)	.00	2.67	1.33	1.33	4.00	2.67	6.67	10.67	17.33	1.33	17.33	16.00	6.67	4.00	5.33	2.67	.00	100.00
(2)	.00	.09	.05	.05	.14	.09	.24	.38	.61	.05	.61	.56	.24	.14	.19	.09	.00	3.53

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PILGRIM APR95-JUN95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS ALL CLASS FREQUENCY (PERCENT) = 100.00

WIND DIRECTION FROM

SPEED(MPH)	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	VRBL	TOTAL
CALM	0	0	1	1	1	1	2	3	3	0	2	1	0	0	0	0	0	15
(1)	.00	.00	.05	.05	.05	.05	.09	.14	.14	.00	.09	.05	.00	.00	.00	.00	.00	.71
(2)	.00	.00	05	.05	.05	.05	.09	.14	.14	.00	.09	.05	.00	.00	.00	.00	.00	.71
C-3	1	6	6	8	6	2	3	3	6	2	6	3	3	3	4	4	0	66
(1)	.05	.28	.28	.38	.28	.09	.14	.14	.28	.09	.28	.14	.14	.14	.19	.19	.00	3.10
(2)	.05	.28	.28	.38	.28	.09	.14	.14	.28	.09	.28	.14	.14	.14	.19	.19	.00	3.10
4-7	15	18	20	25	38	18	18	12	16	9	12	11	4	8	20	24	0	268
(1)	.71	.85	.94	1.18	1.79	.85	.85	.56	.75	.42	.56	.52	.19	.38	.94	1.13	.00	12.60
(2)	.71	.85	.94	1.18	1.79	.85	.85	.56	.75	.42	.56	.52	.19	.38	.94	1.13	.00	12.60
8-12	26	25	26	30	32	60	58	32	47	39	24	25	27	34	25	25	0	535
(1)	1.22	1.18	1.22	1.41	1.50	2.82	2.73	1.50	2.21	1.83	1.13	1.18	1.27	1.60	1.18	1.18	.00	25.15
(2)	1.22	1.18	1.22	1.41	1.50	2.82	2.73	1.50	2.21	1.83	1.13	1.18	1.27	1.60	1.18	1.18	.00	25.15
13-18	25	18	11	11	22	32	37	35	62	65	50	41	69	38	36	37	0	589
(1)	1.18	.85	.52	.52	1.03	1.50	1.74	1.65	2.91	3.06	2.35	1.93	3.24	1.79	1.69	1.74	.00	27.69
(2)	1.18	.85	.52	.52	1.03	1.50	1.74	1.65	2.91	3.06	2.35	1.93	3.24	1.79	1.69	1.74	.00	27.69
19-24	13	13	8	9	11	2	7	13	31	113	39	22	23	16	22	23	0	365
(1)	.61	.61	.38	.42	.52	.09	.33	.61	1.46	5.31	1.83	1.03	1.08	.75	1.03	1.08	.00	17.16
(2)	.61	.61	.38	.42	.52	.09	.33	.61	1.46	5.31	1.83	1.03	1.08	.75	1.03	1.08	.00	17.16
GT 24	8	2	2	7	0	0	0	1	14	71	59	14	23	29	37	22	0	289
(1)	.38	.09	.09	.33	.00	.00	.00	.05	.66	3.34	2.77	.66	1.08	1.36	1.74	1.03	.00	13.59
(2)	.38	.09	.09	.33	.00	.00	.00	.05	.66	3.34	2.77	.66	1.08	1.36	1.74	1.03	.00	13.59
ALL SPEEDS	88	82	74	91	110	115	125	99	179	299	192	117	149	128	144	135	C	2127
(1)	4.14	3.86	3.48	4.28	5.17	5.41	5.88	4.65	8.42	14.06	9.03	5.50	7.01	6.02	6.77	6.35	.00	100.00
(2)	4.14	3.86	3.48	4.28	5.17	5.41	5.88	4.65	8.42	14.06	9.03	5.50	7.01	6.02	6.77	6.35	.00	100.00

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5. OFF-SITE DOSE CALCULATION MANUAL REVISIONS

The PNPS Off-site Dose Calculation Manual (ODCM) was not revised during the reporting oeriod.

6. REFERENCES

1. U. S. Nuclear Regulatory Commission, "Measuring, Evaluating, and Reporting Radioactivity in Solid Wastes and Releases of Radioactive Materials in Liquid and Gaseous Effluents from Light-Water-Cooled Nuclear Power Plants", Regulatory Guide 1.21, Revision 1, June 1974.

2. T. Messier memorandum to K. J. Sejkora, "PNPS Meteorological Data Joint Frequency Distribution Tables January - June 1995", dated August 17, 1995.

KJS/gml