PILGRIM NUCLEAR POWER STATION

Radioactive Effluent and Waste Disposal Report Including Meteorological Data

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July 1 through December 31, 1995

Boston Edison

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BOSTON EDISON COMPANY

PILGRIM NUCLEAR POWER STATION

RADIOACTIVE EFFLUENT AND WASTE DISPOSAL REPORT

INCLUDING METEOROLOGICAL DATA

JULY 1 THROUGH DECEMBER 31, 1995

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EXECUTIVE SUMMARY

BOSTON EDISON COMPANY
Pilgrim Nuclear Power Station
Radioactive Effluent and Waste Disposal Report
including Meteorological Data
July 1 to December 31, 1995

INTRODUCTION

This report quantifies the radioactive gaseous, liquid, and radwaste releases, and summarizes the local meteorological data for the period from July 1 to December 31, 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 and continuous on-line monitoring 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 processing and disposal 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 594 curies. Releases of radioactive particulates and iodines from the main stack and reactor building vent, totalled 0.018 curies, and tritium releases totalled 31.7 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 0.007 curies of fission and activation products and 9.86 curies of tritium. A total of 9E-6 curies of dissolved and entrained gases was detected during the 3rd quarter. No gross alpha radioactivity was detected.

SOLID WASTE

The solid radioactive waste shipped off-site for processing and disposal during the reporting period is described in Table 3. Approximately 75 cubic meters of solid waste, containing 258 curies of radioactivity, were shipped during the reporting period.

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 97% 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 15% of the time during this period. The predominant wind speed range at the 220 foot sensor was 13 to 18 mph, which occurred 35% of the time during this period. The predominant wind speed range at the 33 foot sensor was 4 to 7 mph, which occurred approximately 54% of the time. The predominant stability class was stability class D, which occurred about 39% 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 July 1 to December 31, 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 for the period July 1 to December 31, 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 594 curies, for an average release rate of 38 µCi/sec. A total of 0.018 curies of radioactive iodines and particulates with half-lives greater than 8 days was released at an average release rate of 0.0011 µCi/sec. No alpha radioactivity was detected on particulate filters during this reporting period. A total of 31.7 curies of tritium was released at an average release rate of 2.01 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 occur from the reactor building vent, but low levels of radionuclides are occasionally detected in air exhausted from the turbine building. However, no radioactivity was detected in turbine building air exhausted during this reporting period. 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 1.2 million liters of radioactive liquid waste (prior to dilution) containing 0.007 curies of fission and activation products (excluding tritium, gases, and alpha-emitting nuclides) was discharged with a total dilution volume of approximately 4.1 billion liters of water. The liquid effluents were released at an average concentration of fission and activation products of 1.75E-09 µCi/ml. A total of 9.86 curies of tritium was released, resulting in an average concentration of 2.39E-06 µCi/ml. Dissolved and entrained gases detected in liquid effluents totalled 8.96E-06 Ci during the period, with a corresponding average concentration of 2.17E-12 µCi/ml. 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
July-December 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

	Jul-Sep 1995	Oct-Dec 1995
a. Liquid Effluents		
1. Total number of releases:	3.30E+01	1.60E+01
2. Total time period (minutes):	2.70E+03	8.00E+02
3. Maximum time period (minutes):	2.35E+02	1.50E+02
4. Average time period (minutes):	8.17E+01	5.00E+01
5. Minimum time period (minutes):	2.00E+01	5.00E+00
6. Average stream flow (Liters/min): during periods of release of effluents into a flowing stream	1.17E+06	1.17E+06
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
July-December 1995

	Period: Jul-Sep 1995	Period: Oct-Dec 1995	Estimated Total Error
A. FISSION AND ACTIVATION GASES			
Total Release: Ci	3.85E+02	2.09E+02	22%
Average Release Rate During Period: µCi/sec	4.88E+01	2.65E+01	
Percent of Technical Specification Limit	*	*	
B. IODINES			
Total Iodine-131 Release: Ci	9.11E-04	1.42E-03	20%
Average Release Rate During Period: µCi/sec	1.16E-04	1.80E-04	
Percent of Technical Specification Limit	*	*	
C. PARTICULATES			
Total Release: Ci	5.77E-04	5.44E-04	21%
Average Release Rate During Period: µCi/sec	7.32E-05	6.90E-05	
Percent of Technical Specification Limit	*	*	
Gross Alpha Radioactivity: Ci	NDA	NDA	
D. TRITIUM			
Total Release: Ci	8.51E+00	2.32E+01	20%
Average Release Rate During Period: µCi/sec	1.08E+00	2.94E+00	
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
July-December 1995

Nuclide Released	Continuous Mode		Batch Mode	
	Jul-Sep 1995	Oct-Dec 1995	Jul-Sep 1995	Oct-Dec 1995
1. FISSION AND ACTIVATION GASES - Ci				
N-13	NDA	NDA	N/A	N/A
Ar-41	NDA	9.40E-01	N/A	N/A
Kr-85m	1.01E+02	1.80E+01	N/A	N/A
Kr-87	2.94E+01	1.69E+00	N/A	N/A
Kr-88	1.71E+02	1.79E+01	N/A	N/A
Xe-133	7.00E+01	3.34E+01	N/A	N/A
Xe-135	2.57E+00	2.70E+00	N/A	N/A
Xe-135m	NDA	NDA	N/A	N/A
Xe-138	1.09E+01	1.78E+01	N/A	N/A
Total for period	3.85E+02	9.24E+01	N/A	N/A
2. IODINES - Ci				
I-131	7.57E-04	7.44E-04	N/A	N/A
I-133	3.32E-03	2.58E-03	N/A	N/A
Total for period	4.08E-03	3.33E-03	N/A	N/A
3. PARTICULATES - Ci				
Sr-89	3.40E-05	2.00E-05	N/A	N/A
Sr-90	NDA	NDA	N/A	N/A
Cs-134	NDA	NDA	N/A	N/A
Cs-137	NDA	NDA	N/A	N/A
Ba/La-140	1.58E-04	3.53E-05	N/A	N/A
Total for period	1.92E-04	5.53E-05	N/A	N/A
4. TRITIUM - Ci				
H-3	7.04E-01	5.38E-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
July-December 1995

Nuclide Released	Continuous Mode		Batch Mode	
	Jul-Sep 1995	Oct-Dec 1995	Jul-Sep 1995	Oct-Dec 1995
1. FISSION AND ACTIVATION GASES - Ci				
N-13	NDA	6.20E-01	N/A	N/A
Ar-41	NDA	NDA	N/A	N/A
Kr-85m	NDA	2.50E-01	N/A	N/A
Kr-87	NDA	1.12E+00	N/A	N/A
Kr-88	NDA	7.40E-01	N/A	N/A
Xe-133	NDA	1.20E-01	N/A	N/A
Xe-135	NDA	1.06E+02	N/A	N/A
Xe-135m	NDA	2.11E+00	N/A	N/A
Xe-138	NDA	5.58E+00	N/A	N/A
Total for period	NDA	1.17E+02	N/A	N/A
2. IODINES - Ci				
I-131	1.54E-04	6.80E-04	N/A	N/A
I-133	1.87E-03	6.23E-03	N/A	N/A
Total for period	2.02E-03	6.91E-03	N/A	N/A
3. PARTICULATES - Ci				
Co-60	NDA	NDA	N/A	N/A
Sr-89	3.29E-04	2.34E-04	N/A	N/A
Sr-90	NDA	NDA	N/A	N/A
Cs-134	NDA	NDA	N/A	N/A
Cs-137	NDA	NDA	N/A	N/A
Ba/La-140	5.55E-05	2.55E-04	N/A	N/A
Total for period	3.85E-04	4.89E-04	N/A	N/A
4. TRITIUM - Ci				
H-3	7.81E+00	2.27E+01	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
July-December 1995

	Period: Jul-Sep 1995	Period: Oct-Dec 1995	Estimated Total Error
A. FISSION AND ACTIVATION PRODUCTS			
Total Release (not including H-3, noble gas, or alpha): Ci	6.78E-03	4.12E-04	12%
Average Diluted Concentration During Period: µCi/mL	2.13E-09	4.39E-10	
Percent of Effluent Concentration Limit*	3.69E-02	7.55E-03	
B. TRITIUM			
Total Release: Ci	9.84E+00	1.69E-02	9.4%
Average Diluted Concentration During Period: µCi/mL	3.09E-06	1.80E-08	
Percent of Effluent Concentration Limit*	3.09E-01	1.80E-03	
C. DISSOLVED AND ENTRAINED GASES			
Total Release: Ci	8.92E-06	NDA	16%
Average Diluted Concentration During Period: µCi/mL	2.81E-12	NDA	
Percent of Effluent Concentration Limit*	1.40E-06	--	
D. GROSS ALPHA RADIOACTIVITY			
Total Release: Ci	NDA	NDA	34%
E. VOLUME OF WASTE RELEASED PRIOR TO DILUTION			
Waste Volume: Liters	1.08E+06	1.34E+05	5.7%
F. VOLUME OF DILUTION WATER USED DURING PERIOD			
Dilution Volume: Liters	3.18E+09	9.39E+08	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
July-December 1995

Nuclide Released	Continuous Mode		Batch Mode	
	Jul-Sep 1995	Oct-Dec 1995	Jul-Sep 1995	Oct-Dec 1995
1. FISSION AND ACTIVATION PRODUCTS - Ci				
Cr-51	N/A	N/A	1.72E-04	NDA
Mn-54	N/A	N/A	5.26E-04	3.09E-05
Fe-55	N/A	N/A	1.97E-03	2.62E-04
Fe-59	N/A	N/A	3.59E-05	NDA
Co-58	N/A	N/A	9.38E-06	NDA
Co-60	N/A	N/A	2.71E-03	7.98E-05
Zn-65	N/A	N/A	1.64E-06	NDA
Sr-89	N/A	N/A	4.71E-04	NDA
Sr-90	N/A	N/A	1.41E-06	1.24E-06
Zr/Nb-95	N/A	N/A	7.42E-07	NDA
Mo-99/Tc-99m	N/A	N/A	NDA	NDA
Ag-110m	N/A	N/A	5.15E-05	NDA
Sb-124	N/A	N/A	8.75E-07	NDA
I-131	N/A	N/A	2.99E-06	NDA
I-133	N/A	N/A	NDA	NDA
Cs-134	N/A	N/A	NDA	NDA
Cs-137	N/A	N/A	5.93E-05	3.82E-05
Ba/La-140	N/A	N/A	7.72E-04	NDA
Ce-141	N/A	N/A	NDA	NDA
Total for period	N/A	N/A	6.78E-03	4.12E-04
2. DISSOLVED AND ENTRAINED GASES - Ci				
Xe-133	N/A	N/A	NDA	NDA
Xe-135	N/A	N/A	8.92E-06	NDA
Total for period	N/A	N/A	8.92E-06	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

Radioactive wastes (Reference 2) which were shipped off-site for processing and disposal during the reporting period are given in Table 3, in the standard NRC Regulatory Guide 1.21 format.

The semiannual total quantity of radioactivity in curies and the total volume in cubic meters for the following categories or waste types are listed in Table 3:

a. Spent resins, filter sludges, evaporator bottoms;

b. Dry compressible waste, contaminated equipment, etc.;

c. Irradiated components, control rods, etc.; and,

d. Other.

During the reporting period approximately 46 cubic meters of spent resins, filter sludges, etc. with a total activity of about 247 curies were shipped from Pilgrim Station for processing and disposal. Approximately 28 cubic meters of dry compressible waste or contaminated equipment containing about 0.11 curies of activity was shipped off-site for processing and disposal during this period. Irradiated components and other miscellaneous low-level waste were not disposed of during this reporting period. Irradiated fuel shipments were not made during this period.

Nine shipments to Barnwell, SC (Chem Nuclear Systems, Inc.), ten shipments to Oak Ridge, TN (eigh' Scientific Ecology Group; two to American Ecology), and two shipments to Wampum, PA (Alaron Corp.) were made during the reporting period. Estimates of major radionuclides shipped off-site are listed in Table 3.

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

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

1. Type of Waste	Jul-Dec 1995		
	Volume m^3	Activity Ci	Est. Total Error
a. Spent resins, filter sludges, evaporator bottoms, etc.	4.64E+01	2.47E+02	±25%
b. Dry compressible waste, contaminated equipment, etc.	2.84E+01	1.11E+01	±25%
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	7.48E+01	2.58E+02	±25%

2. Estimate of Major Nuclide Composition by Waste Type.

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

Nuclide	% Abundance	Curies
H-3	NDA	NDA
C-14	2.80E-02%	6.93E-02
Cr-51	6.80E-02%	1.68E-01
Mn-54	6.09E+00%	1.50E+01
Fe-55	4.83E+01%	1.19E+02
Fe-59	2.68E-02%	6.63E-02
Co-58	5.71E-02%	1.41E-01
Co-60	4.44E+01%	1.10E+02
Ni-63	4.45E-01%	1.10E+00
Sr-90	1.32E-01%	3.25E-01
Tc-99	NDA	NDA
I-129	NDA	NDA
I-131	6.31E-04%	1.56E-03
Cs-137	3.91E-01%	9.65E-01
Ce-144	1.61E-02%	3.99E-02
Pu-241	9.80E-05%	2.42E-04
Cm-242	1.15E-06%	2.86E-06
Total	1.00E+02%	2.47E+02

b. Dry compressible waste, contaminated equipment, etc.

Nuclide	% Abundance	Curies
H-3	NDA	NDA
C-14	NDA	NDA
Cr-51	1.08E+00%	1.19E-01
Mn-54	5.63E+00%	6.24E-01
Fe-55	5.47E+01%	6.07E+00
Co-60	3.24E+01%	3.59E+00
Ni-59	8.80E-03%	9.75E-04
Ni-63	2.88E+00%	3.19E-01
Sr-90	2.77E-02%	3.07E-03
Tc-99	NDA	NDA
I-129	NDA	NDA
Cs-137	1.52E+00%	1.68E-01
Ce-144	1.66E+00%	1.84E-01
Pu-241	9.46E-02%	1.05E-02
Cm-242	1.65E-04%	1.83E-05
Total	1.00E+00%	1.11E+01

3. Solid Waste Disposition

Number of Shipments	Mode of Transportation	Destination
9	Tractor-trailer	Chem Nuclear Systems, Inc., Barnwell, SC
8	Tractor-trailer	Scientific Ecology Group, Oak Ridge, TN*
2	Tractor-trailer	Alaron Corp., Wampum, PA*
2	Tractor-trailer	Americal Ecology, Oak Ridge, TN*

* These processors provided Boston Edison Company, Pilgrim Nuclear Power Station, with volume reduction services for dry compressible waste, contaminated equipment, etc. Remaining radioactive waste will be shipped to Chem Nuclear systems, Inc., in Barnwell, SC, for final disposal.

B. IRRADIATED FUEL SHIPMENTS (DISPOSITION)

No shipments of irradiated fuel were made from Pilgrim Nuclear Power Station during this reporting period.

4. METEOROLOGICAL DATA

Meteorological data (Reference 3) for the period July 1 to December 31, 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 15% 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 35% during this period. The predominant wind speed range at the 33 foot sensor was 4 to 7 mph, which occurred approximately 54% of the time. The predominant stability class was stability class D, which occurred about 39% 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. Data recovery for the period of July-December was 97% for both levels of the meteorological tower.

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 first 6-month period was 96% on the 33 foot elevation and 97% on the 220 foot elevation of the meteorological tower at Pilgrim Station. When the data for all four quarters are combined, net data recovery for the entire year was 97%, well in excess of the NRC's recommended annual recovery goal of 90%.

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

PILGRIM JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 11.66

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	3	0	1	1	0	0	0	0	0	0	0	2	2	2	0	0	12
(1)	.41	1.22	.00	.41	.41	.00	.00	.00	.00	.00	.00	.00	.81	.81	.81	.00	.00	4.88
(2)	.05	.14	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.09	.09	.09	.00	.00	.57
4-7	29	34	23	17	3	1	1	0	1	4	1	0	5	11	10	14	0	154
(1)	11.79	13.82	9.35	6.91	1.22	.41	.41	.00	.41	1.63	.41	.00	2.03	4.47	4.07	5.69	.00	62.60
(2)	1.38	1.61	1.09	.81	.14	.05	.05	.00	.05	.19	.05	.00	.24	.52	.47	.66	.00	7.30
8-12	5	15	15	5	0	1	0	1	9	13	4	0	1	1	0	7	0	77
(1)	2.03	6.10	6.10	2.03	.00	.41	.00	.41	3.66	5.28	1.63	.00	.41	.41	.00	2.85	.00	31.30
(2)	.24	.71	.71	.24	.00	.05	.00	.05	.43	.62	.19	.00	.05	.05	.00	.33	.00	3.65
13-18	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3
(1)	.00	.00	.41	.00	.00	.00	.00	.00	.00	.81	.00	.00	.00	.00	.00	.00	.00	1.22
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.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	35	52	39	23	4	2	1	1	10	19	5	0	8	14	12	21	0	246
(1)	14.23	21.14	15.85	9.35	1.63	.81	.41	.41	4.07	7.72	2.03	.00	3.25	5.69	4.88	8.54	.00	100.00
(2)	1.66	2.47	1.85	1.09	.19	.09	.05	.05	.47	.90	.24	.00	.38	.66	.57	1.00	.00	11.66

(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 JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.08

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	1	0	0	0	0	0	0	0	0	0	1	0	0	0	3
(1)	.00	1.16	.00	1.16	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.16	.00	.00	.00	3.49
(2)	.00	.05	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.14
4-7	3	4	6	3	1	2	1	0	6	4	4	3	1	1	3	5	0	47
(1)	3.49	4.65	6.98	3.49	1.16	2.33	1.16	.00	6.98	4.65	4.65	3.49	1.16	1.16	3.49	5.81	.00	54.65
(2)	.14	.19	.28	.14	.05	.09	.05	.00	.28	.19	.19	.14	.05	.05	.14	.24	.00	2.23
8-12	2	1	3	0	1	0	1	0	7	13	5	1	1	0	0	0	0	35
(1)	2.33	1.16	3.49	.00	1.16	.00	1.16	.00	8.14	15.12	5.81	1.16	1.16	.00	.00	.00	.00	40.70
(2)	.09	.05	.14	.00	.05	.00	.05	.00	.33	.62	.24	.05	.05	.00	.00	.00	.00	1.66
13-18	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.16	.00	.00	.00	.00	.00	.00	.00	1.16
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.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	5	6	9	4	2	2	2	0	13	18	9	4	2	2	3	5	0	86
(1)	5.81	6.98	10.47	4.65	2.33	2.33	2.33	.00	15.12	20.93	10.47	4.65	2.33	2.33	3.49	5.81	.00	100.00
(2)	.24	.28	.43	.19	.09	.09	.09	.00	.62	.85	.43	.19	.09	.09	.14	.24	.00	4.08

(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 JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 4.98

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	2	0	0	0	0	0	0	1	0	0	0	0	1	0	0	5
(1)	.00	.95	1.90	.00	.00	.00	.00	.00	.00	.95	.00	.00	.00	.00	.95	.00	.00	4.76
(2)	.00	.05	.09	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05	.00	.00	.24
4-7	5	6	7	6	3	2	1	1	8	11	7	1	5	6	3	2	0	74
(1)	4.76	5.71	6.67	5.71	2.86	1.90	.95	.95	7.62	10.48	6.67	.95	4.76	5.71	2.86	1.90	.00	70.48
(2)	.24	.28	.33	.28	.14	.09	.05	.05	.38	.52	.33	.05	.24	.28	.14	.09	.00	3.51
8-12	0	3	3	0	1	0	0	0	5	12	2	0	0	0	0	0	0	26
(1)	.00	2.86	2.86	.00	.95	.00	.00	.00	4.76	11.43	1.90	.00	.00	.00	.00	.00	.00	24.76
(2)	.00	.14	.14	.00	.05	.00	.00	.00	.24	.57	.09	.00	.00	.00	.00	.00	.00	1.23
13-18	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
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	10	12	6	4	2	1	1	13	24	9	1	5	6	4	2	0	105
(1)	4.76	9.52	11.43	5.71	3.81	1.90	.95	.95	12.38	22.86	8.57	.95	4.76	5.71	3.81	1.90	.00	100.00
(2)	.24	.47	.57	.28	.19	.09	.05	.05	.62	1.14	.43	.05	.24	.28	.19	.09	.00	4.98

(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 JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 33.57

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	13	15	9	5	2	2	4	5	5	17	10	10	9	7	10	8	0	131
(1)	1.84	2.12	1.27	.71	.28	.28	.56	.71	.71	2.40	1.41	1.41	1.27	.99	1.41	1.13	.00	18.50
(2)	.62	.71	.43	.24	.09	.09	.19	.24	.24	.81	.47	.47	.43	.33	.47	.38	.00	6.21
4-7	22	35	37	26	21	2	8	8	57	71	28	15	27	13	6	16	0	392
(1)	3.11	4.94	5.23	3.67	2.97	.28	1.13	1.13	8.05	10.03	3.95	2.12	3.81	1.84	.85	2.26	.00	55.37
(2)	1.04	1.66	1.75	1.23	1.00	.09	.38	.38	2.70	3.37	1.33	.71	1.28	.62	.28	.76	.00	18.59
8-12	4	12	27	7	1	0	0	0	33	59	18	4	4	2	6	3	0	180
(1)	.56	1.69	3.81	.99	.14	.00	.00	.00	4.66	8.33	2.54	.56	.56	.28	.85	.42	.00	25.42
(2)	.19	.57	1.28	.33	.05	.00	.00	.00	1.56	2.80	.85	.19	.19	.09	.28	.14	.00	8.53
13-18	0	0	3	0	0	0	0	0	0	0	1	0	0	0	1	0	0	5
(1)	.00	.00	.42	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00	.14	.00	.00	.71
(2)	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.05	.00	.00	.24
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	39	62	76	38	24	4	12	13	95	147	57	29	40	22	23	27	0	708
(1)	5.51	8.76	10.73	5.37	3.39	.56	1.69	1.84	13.42	20.76	8.05	4.10	5.65	3.11	3.25	3.81	.00	100.00
(2)	1.85	2.94	3.60	1.80	1.14	.19	.57	.62	4.50	6.97	2.70	1.38	1.90	1.04	1.09	1.28	.00	33.57

(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 JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 32.39

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	12	7	11	4	3	4	12	12	13	11	12	10	13	9	15	5	0	153
(1)	1.76	1.02	1.61	.59	.44	.59	1.76	1.76	1.90	1.61	1.76	1.46	1.90	1.32	2.20	.73	.00	22.40
(2)	.57	.33	.52	.19	.14	.19	.57	.57	.62	.52	.57	.47	.62	.43	.71	.24	.00	7.25
4-7	12	17	21	15	8	3	9	8	44	87	41	41	25	25	16	19	0	391
(1)	1.76	2.49	3.07	2.20	1.17	.44	1.32	1.17	6.44	12.74	6.00	6.00	3.66	3.66	2.34	2.78	.00	57.25
(2)	.57	.81	1.00	.71	.38	.14	.43	.38	2.09	4.13	1.94	1.94	1.19	1.19	.76	.90	.00	18.54
8-12	1	6	6	0	0	0	0	0	14	68	24	1	0	7	5	5	0	137
(1)	.15	.88	.88	.00	.00	.00	.00	.00	2.05	9.96	3.51	.15	.00	1.02	.73	.73	.00	20.06
(2)	.05	.28	.28	.00	.00	.00	.00	.00	.66	3.22	1.14	.05	.00	.33	.24	.24	.00	6.50
13-18	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.00	.00	.00	.00	.00	.00	.00	.29
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09
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	25	30	38	19	11	7	21	20	71	168	77	52	38	41	36	29	0	683
(1)	3.66	4.39	5.56	2.78	1.61	1.02	3.07	2.93	10.40	24.60	11.27	7.61	5.56	6.00	5.27	4.25	.00	100.00
(2)	1.19	1.42	1.80	.90	.52	.33	1.00	.95	3.37	7.97	3.65	2.47	1.80	1.94	1.71	1.38	.00	32.39

(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)

Table 4A-1 (continued)

PILGRIM JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 10.67

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	1	0	1	2	2	1	4	8	5	9	18	14	13	2	3	0	85
(1)	.89	.44	.00	.44	.89	.89	.44	1.78	3.56	2.22	4.00	8.00	6.22	5.78	.89	1.33	.00	37.78
(2)	.09	.05	.00	.05	.09	.09	.05	.19	.38	.24	.43	.85	.66	.62	.09	.14	.00	4.03
4-7	0	0	0	2	2	0	2	0	8	9	38	13	7	3	4	2	0	90
(1)	.00	.00	.00	.89	.89	.00	.89	.00	3.56	4.00	16.89	5.78	3.11	1.33	1.78	.89	.00	40.00
(2)	.00	.00	.00	.09	.09	.00	.09	.00	.38	.43	1.80	.62	.33	.14	.19	.09	.00	4.27
8-12	0	0	0	0	0	0	0	0	0	23	25	1	0	0	0	0	0	49
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	10.22	11.11	.44	.00	.00	.00	.00	.00	21.78
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.09	1.19	.05	.00	.00	.00	.00	.00	2.32
13-18	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.44	.00	.00	.00	.00	.00	.00	.00	.44
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.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	2	1	0	3	4	2	3	4	16	38	72	32	21	16	6	5	0	225
(1)	.89	.44	.00	1.33	1.78	.89	1.33	1.78	7.11	16.89	32.00	14.22	9.33	7.11	2.67	2.22	.00	100.00
(2)	.09	.05	.00	.14	.19	.09	.14	.19	.76	1.80	3.41	1.52	1.00	.76	.28	.24	.00	10.67

(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 JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 2.66

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	2	2	2	0	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.57	3.57	3.57	.00	.00	.00	.00	.00	10.71
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.09	.09	.00	.00	.00	.00	.00	.28
4-7	0	0	0	1	0	0	0	0	0	0	27	6	0	1	2	0	0	37
(1)	.00	.00	.00	1.79	.00	.00	.00	.00	.00	.00	48.21	10.71	.00	1.79	3.57	.00	.00	66.07
(2)	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	1.28	.28	.00	.05	.09	.00	.00	1.75
8-12	0	0	0	0	0	0	0	0	0	5	8	0	0	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.93	14.29	.00	.00	.00	.00	.00	.00	23.21
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.38	.00	.00	.00	.00	.00	.00	.62
13-18	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
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	0	1	0	0	0	0	0	7	37	8	0	1	2	0	0	56
(1)	.00	.00	.00	1.79	.00	.00	.00	.00	.00	12.50	66.07	14.29	.00	1.79	3.57	.00	.00	100.00
(2)	.00	.00	.00	.05	.00	.00	.00	.00	.00	.33	1.75	.38	.00	.05	.09	.00	.00	2.66

(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 JUL95-SEP95 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	28	28	22	12	8	8	17	21	26	36	33	40	38	32	30	16	0	395
(1)	1.33	1.33	1.04	.57	.38	.38	.81	1.00	1.23	1.71	1.56	1.90	1.80	1.52	1.42	.76	.00	18.73
(2)	1.33	1.33	1.04	.57	.38	.38	.81	1.00	1.23	1.71	1.56	1.90	1.80	1.52	1.42	.76	.00	18.73
4-7	71	96	94	70	38	10	22	17	124	186	146	79	70	60	44	58	0	1185
(1)	3.37	4.55	4.46	3.32	1.80	.47	1.04	.81	5.88	8.82	6.92	3.75	3.32	2.84	2.09	2.75	.00	56.19
(2)	3.37	4.55	4.46	3.32	1.80	.47	1.04	.81	5.88	8.82	6.92	3.75	3.32	2.84	2.09	2.75	.00	56.19
8-12	12	37	54	12	3	1	1	1	68	193	86	7	6	10	11	15	0	517
(1)	.57	1.75	2.56	.57	.14	.05	.05	.05	3.22	9.15	4.08	.33	.28	.47	.52	.71	.00	24.51
(2)	.57	1.75	2.56	.57	.14	.05	.05	.05	3.22	9.15	4.08	.33	.28	.47	.52	.71	.00	24.51
13-18	0	0	4	0	0	0	0	0	0	6	1	0	0	0	1	0	0	12
(1)	.00	.00	.19	.00	.00	.00	.00	.00	.00	.28	.05	.00	.00	.00	.05	.00	.00	.57
(2)	.00	.00	.19	.00	.00	.00	.00	.00	.00	.28	.05	.00	.00	.00	.05	.00	.00	.57
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	111	161	174	94	49	19	40	39	218	421	266	126	114	102	86	89	0	2109
(1)	5.26	7.63	8.25	4.46	2.32	.90	1.90	1.85	10.34	19.96	12.61	5.97	5.41	4.84	4.08	4.22	.00	100.00
(2)	5.26	7.63	8.25	4.46	2.32	.90	1.90	1.85	10.34	19.96	12.61	5.97	5.41	4.84	4.08	4.22	.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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 4.50

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	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	5
(1)	1.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.02	1.02	1.02	1.02	.00	.00	5.10
(2)	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.05	.05	.00	.00	.23
4-7	6	5	0	1	0	0	0	0	0	1	1	3	10	8	8	5	0	48
(1)	6.12	5.10	.00	1.02	.00	.00	.00	.00	.00	1.02	1.02	3.06	10.20	8.16	8.16	5.10	.00	48.98
(2)	.28	.23	.00	.05	.00	.00	.00	.00	.00	.05	.05	.14	.46	.37	.37	.23	.00	2.20
8-12	1	0	0	0	1	0	0	0	0	1	0	0	12	14	3	5	0	37
(1)	1.02	.00	.00	.00	1.02	.00	.00	.00	.00	1.02	.00	.00	12.24	14.29	3.06	5.10	.00	37.76
(2)	.05	.00	.00	.00	.05	.00	.00	.00	.00	.05	.00	.00	.55	.64	.14	.23	.00	1.70
13-18	0	4	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	8
(1)	.00	4.08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.06	1.02	.00	.00	.00	8.16
(2)	.00	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.05	.00	.00	.00	.37
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	8	9	0	1	1	0	0	0	0	2	1	4	26	24	12	10	0	98
(1)	8.16	9.18	.00	1.02	1.02	.00	.00	.00	.00	2.04	1.02	4.08	26.53	24.49	12.24	10.20	.00	100.00
(2)	.37	.41	.00	.05	.05	.00	.00	.00	.00	.09	.05	.18	1.19	1.10	.55	.46	.00	4.50

(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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.03

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	2	0	1	0	3
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.03	.00	1.52	.00	4.55
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.05	.00	.14
4-7	3	5	2	0	0	0	0	1	0	0	0	5	8	5	2	0	0	31
(1)	4.55	7.58	3.03	.00	.00	.00	.00	1.52	.00	.00	.00	7.58	12.12	7.58	3.03	.00	.00	46.97
(2)	.14	.23	.09	.00	.00	.00	.00	.05	.00	.00	.00	.23	.37	.23	.09	.00	.00	1.42
8-12	0	1	1	0	0	0	0	0	1	3	2	2	12	6	0	0	0	28
(1)	.00	1.52	1.52	.00	.00	.00	.00	.00	1.52	4.55	3.03	3.03	18.18	9.09	.00	.00	.00	42.42
(2)	.00	.05	.05	.00	.00	.00	.00	.00	.05	.14	.09	.09	.55	.28	.00	.00	.00	1.28
13-18	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3
(1)	.00	3.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.52	.00	.00	.00	.00	4.55
(2)	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.14
19-24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.52	.00	.00	.00	1.52
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.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	3	8	3	0	0	0	0	1	1	3	2	7	21	14	2	1	0	66
(1)	4.55	12.12	4.55	.00	.00	.00	.00	1.52	1.52	4.55	3.03	10.61	31.82	21.21	3.03	1.52	.00	100.00
(2)	.14	.37	.14	.00	.00	.00	.00	.05	.05	.14	.09	.32	.96	.64	.09	.05	.00	3.03

(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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 4.13

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	0	0	0	0	0	1	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	1.11	.00	.00	.00	.00	.00	.00	1.11	.00	2.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.05	.00	.09
4-7	1	1	3	0	0	1	0	0	2	1	5	9	7	3	3	2	0	38
(1)	1.11	1.11	3.33	.00	.00	1.11	.00	.00	2.22	1.11	5.56	10.00	7.78	3.33	3.33	2.22	.00	42.22
(2)	.05	.05	.14	.00	.00	.05	.00	.00	.09	.05	.23	.41	.32	.14	.14	.09	.00	1.74
8-12	1	0	7	1	1	0	0	0	1	7	4	4	9	2	2	0	0	39
(1)	1.11	.00	7.78	1.11	1.11	.00	.00	.00	1.11	7.78	4.44	4.44	10.00	2.22	2.22	.00	.00	43.33
(2)	.05	.00	.32	.05	.05	.00	.00	.00	.05	.32	.18	.18	.41	.09	.09	.00	.00	1.79
13-18	0	2	5	0	0	0	0	0	0	1	0	2	0	1	0	0	0	11
(1)	.00	2.22	5.56	.00	.00	.00	.00	.00	.00	1.11	.00	2.22	.00	1.11	.00	.00	.00	12.22
(2)	.00	.09	.23	.00	.00	.00	.00	.00	.00	.05	.00	.09	.00	.05	.00	.00	.00	.50
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	3	15	1	1	1	0	0	4	9	9	15	16	6	5	3	0	90
(1)	2.22	3.33	16.67	1.11	1.11	1.11	.00	.00	4.44	10.00	10.00	16.67	17.78	6.67	5.56	3.33	.00	100.00
(2)	.09	.14	.69	.05	.05	.05	.00	.00	.18	.41	.41	.69	.73	.28	.23	.14	.00	4.13

(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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 44.29

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	7	1	2	0	1	2	3	2	6	4	5	6	7	9	4	0	62
(1)	.31	.73	.10	.21	.00	.10	.21	.31	.21	.62	.41	.52	.62	.73	.93	.41	.00	6.42
(2)	.14	.32	.05	.09	.00	.05	.09	.14	.09	.28	.18	.23	.28	.32	.41	.18	.00	2.85
4-7	21	19	15	10	11	10	9	15	21	38	29	58	74	56	30	15	0	431
(1)	2.18	1.97	1.55	1.04	1.14	1.04	.93	1.55	2.18	3.94	3.01	6.01	7.67	5.80	3.11	1.55	.00	44.66
(2)	.96	.87	.69	.46	.50	.46	.41	.69	.96	1.74	1.33	2.66	3.40	2.57	1.38	.69	.00	19.78
8-12	20	25	21	1	1	12	14	17	33	37	25	48	75	38	17	11	0	395
(1)	2.07	2.59	2.18	.10	.10	1.24	1.45	1.76	3.42	3.83	2.59	4.97	7.77	3.94	1.76	1.14	.00	40.93
(2)	.92	1.15	.96	.05	.05	.55	.64	.78	1.51	1.70	1.15	2.20	3.44	1.74	.78	.50	.00	18.13
13-18	2	2	5	1	0	4	5	6	5	9	2	5	16	4	0	0	0	66
(1)	.21	.21	.52	.10	.00	.41	.52	.62	.52	.93	.21	.52	1.66	.41	.00	.00	.00	6.84
(2)	.09	.09	.23	.05	.00	.18	.23	.28	.23	.41	.09	.23	.73	.18	.00	.00	.00	3.03
19-24	0	0	5	5	0	0	0	0	1	0	0	0	0	0	0	0	0	11
(1)	.00	.00	.52	.52	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	1.14
(2)	.00	.00	.23	.23	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.50
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	53	47	19	12	27	30	41	62	90	60	116	171	105	56	30	0	965
(1)	4.77	5.49	4.87	1.97	1.24	2.80	3.11	4.25	6.42	9.33	6.22	12.02	17.72	10.88	5.80	3.11	.00	100.00
(2)	2.11	2.43	2.16	.87	.55	1.24	1.38	1.88	2.85	4.13	2.75	5.32	7.85	4.82	2.57	1.38	.00	44.29

(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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 31.21

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	5	2	0	0	0	2	5	6	17	10	16	6	11	6	8	4	0	98
(1)	.74	.29	.00	.00	.00	.29	.74	.88	2.50	1.47	2.35	.88	1.62	.88	1.18	.59	.00	14.41
(2)	.23	.09	.00	.00	.00	.09	.23	.28	.78	.46	.73	.28	.50	.28	.37	.18	.00	4.50
4-7	8	3	1	3	3	3	13	10	13	41	68	136	65	25	14	4	0	410
(1)	1.18	.44	.15	.44	.44	.44	1.91	1.47	1.91	6.03	10.00	20.00	9.56	3.68	2.06	.59	.00	60.29
(2)	.37	.14	.05	.14	.14	.14	.60	.46	.60	1.88	3.12	6.24	2.98	1.15	.64	.18	.00	18.82
8-12	1	0	1	0	2	3	1	4	10	26	22	32	24	14	7	2	0	149
(1)	.15	.00	.15	.00	.29	.44	.15	.59	1.47	3.82	3.24	4.71	3.53	2.06	1.03	.29	.00	21.91
(2)	.05	.00	.05	.00	.09	.14	.05	.18	.46	1.19	1.01	1.47	1.10	.64	.32	.09	.00	6.84
13-18	2	5	5	0	0	0	0	0	2	1	0	0	5	0	1	0	0	21
(1)	.29	.74	.74	.00	.00	.00	.00	.00	.29	.15	.00	.00	.74	.00	.15	.00	.00	3.09
(2)	.09	.23	.23	.00	.00	.00	.00	.00	.09	.05	.00	.00	.23	.00	.05	.00	.00	.96
19-24	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2
(1)	.00	.00	.15	.00	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00	.00	.29
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.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	16	10	8	3	5	8	19	20	43	78	106	174	105	45	30	10	0	680
(1)	2.35	1.47	1.18	.44	.74	1.18	2.79	2.94	6.32	11.47	15.59	25.59	15.44	6.62	4.41	1.47	.00	100.00
(2)	.73	.46	.37	.14	.23	.37	.87	.92	1.97	3.58	4.86	7.99	4.82	2.07	1.38	.46	.00	31.21

(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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 11.15

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	1	1	5	9	7	9	8	2	3	2	0	0	48
(1)	.00	.00	.00	.00	.41	.41	.41	2.06	3.70	2.88	3.70	3.29	.82	1.23	.82	.00	.00	19.75
(2)	.00	.00	.00	.00	.05	.05	.05	.23	.41	.32	.41	.37	.09	.14	.09	.00	.00	2.20
4-7	0	0	0	0	0	0	0	0	10	30	77	34	3	2	0	0	0	156
(1)	.00	.00	.00	.00	.00	.00	.00	.00	4.12	12.35	31.69	13.99	1.23	.82	.00	.00	.00	64.20
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.46	1.38	3.53	1.56	.14	.09	.00	.00	.00	7.16
8-12	0	0	0	0	0	0	0	0	2	13	19	4	1	0	0	0	0	39
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.82	5.35	7.82	1.65	.41	.00	.00	.00	.00	16.05
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.09	.60	.87	.18	.05	.00	.00	.00	.00	1.79
13-18	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
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	0	0	1	1	1	5	21	50	105	46	6	5	2	0	0	243
(1)	.00	.00	.00	.00	.41	.41	.41	2.06	8.64	20.58	43.21	18.93	2.47	2.06	.82	.00	.00	100.00
(2)	.00	.00	.00	.00	.05	.05	.05	.23	.96	2.29	4.82	2.11	.28	.23	.09	.00	.00	11.15

(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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

33.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.70

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	1	0	3	2	0	0	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.70	.00	8.11	5.41	.00	.00	.00	.00	16.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.14	.09	.00	.00	.00	.00	.28
4-7	0	0	0	0	0	0	0	0	0	0	14	2	2	0	0	0	0	18
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	37.84	5.41	5.41	.00	.00	.00	.00	48.65
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.64	.09	.09	.00	.00	.00	.00	.83
8-12	0	0	0	0	0	0	0	0	0	5	7	1	0	0	0	0	0	13
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	13.51	18.92	2.70	.00	.00	.00	.00	.00	35.14
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.32	.05	.00	.00	.00	.00	.00	.60
13-18	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
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	0	0	0	0	0	0	0	6	21	6	4	0	0	0	0	37
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	16.22	56.76	16.22	10.81	.00	.00	.00	.00	100.00
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.28	.96	.28	.18	.00	.00	.00	.00	1.70

(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 OCT95-DEC95 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	9	9	1	2	1	4	8	14	29	24	29	23	22	19	20	10	0	224
(1)	.41	.41	.05	.09	.05	.18	.37	.64	1.33	1.10	1.33	1.06	1.01	.87	.92	.46	.00	10.28
(2)	.41	.41	.05	.09	.05	.18	.37	.64	1.33	1.10	1.33	1.06	1.01	.87	.92	.46	.00	10.28
4-7	39	33	21	14	14	14	22	26	46	111	194	247	169	99	57	26	0	1132
(1)	1.79	1.51	.96	.64	.64	.64	1.01	1.19	2.11	5.09	8.90	11.34	7.76	4.54	2.62	1.19	.00	51.95
(2)	1.79	1.51	.96	.64	.64	.64	1.01	1.19	2.11	5.09	8.90	11.34	7.76	4.54	2.62	1.19	.00	51.95
8-12	23	26	30	2	5	15	15	21	47	92	79	91	133	74	29	18	0	700
(1)	1.06	1.19	1.38	.09	.23	.69	.69	.96	2.16	4.22	3.63	4.18	6.10	3.40	1.33	.83	.00	32.12
(2)	1.06	1.19	1.38	.09	.23	.69	.69	.96	2.16	4.22	3.63	4.18	6.10	3.40	1.33	.83	.00	32.12
13-18	4	15	15	1	0	4	5	6	7	11	2	7	25	6	1	0	0	109
(1)	.18	.69	.69	.05	.00	.18	.23	.28	.32	.50	.09	.32	1.15	.28	.05	.00	.00	5.00
(2)	.18	.69	.69	.05	.00	.18	.23	.28	.32	.50	.09	.32	1.15	.28	.05	.00	.00	5.00
19-24	0	0	6	5	0	0	0	0	2	0	0	0	0	1	0	0	0	14
(1)	.00	.00	.28	.23	.00	.00	.00	.00	.09	.00	.00	.00	.00	.05	.00	.00	.00	.64
(2)	.00	.00	.28	.23	.00	.00	.00	.00	.09	.00	.00	.00	.00	.05	.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	75	83	73	24	20	37	50	67	131	238	304	368	349	199	107	54	0	2179
(1)	3.44	3.81	3.35	1.10	.92	1.70	2.29	3.07	6.01	10.92	13.95	16.89	16.02	9.13	4.91	2.48	.00	100.00
(2)	3.44	3.81	3.35	1.10	.92	1.70	2.29	3.07	6.01	10.92	13.95	16.89	16.02	9.13	4.91	2.48	.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 JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 11.74

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	7	7	0	3	3	0	1	0	0	0	0	0	1	0	4	8	0	34
(1)	2.86	2.86	.00	1.22	1.22	.00	.41	.00	.00	.00	.00	.00	.41	.00	1.63	3.27	.00	13.88
(2)	.34	.34	.00	.14	.14	.00	.05	.00	.00	.00	.00	.00	.05	.00	.19	.38	.00	1.65
8-12	12	18	8	12	8	6	3	1	2	0	2	1	0	8	3	4	0	88
(1)	4.90	7.35	3.27	4.90	3.27	2.45	1.22	.41	.82	.00	.82	.41	.00	3.27	1.22	1.63	.00	35.92
(2)	.58	.86	.38	.58	.38	.29	.14	.05	.10	.00	.10	.05	.00	.38	.14	.19	.00	4.22
13-18	11	9	10	8	1	2	2	0	8	11	0	0	1	3	3	5	0	74
(1)	4.49	3.67	4.08	3.27	.41	.82	.82	.00	3.27	4.49	.00	.00	.41	1.22	1.22	2.04	.00	30.20
(2)	.53	.43	.48	.38	.05	.10	.10	.00	.38	.53	.00	.00	.05	.14	.14	.24	.00	3.55
19-24	2	15	3	1	0	1	0	1	1	4	1	0	0	0	2	11	0	42
(1)	.82	6.12	1.22	.41	.00	.41	.00	.41	.41	1.63	.41	.00	.00	.00	.82	4.49	.00	17.14
(2)	.10	.72	.14	.05	.00	.05	.00	.05	.05	.19	.05	.00	.00	.00	.10	.53	.00	2.01
GT 24	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	5	0	7
(1)	.00	.00	.41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.41	2.04	.00	2.86
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.24	.00	.34
ALL SPEEDS	32	49	22	24	12	9	6	2	11	15	3	1	2	11	13	33	0	245
(1)	13.06	20.00	8.98	9.80	4.90	3.67	2.45	.82	4.49	6.12	1.22	.41	.82	4.49	5.31	13.47	.00	100.00
(2)	1.53	2.35	1.05	1.15	.58	.43	.29	.10	.53	.72	.14	.05	.10	.53	.62	1.58	.00	11.74

(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 JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 4.12

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	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	2	3	1	0	0	1	0	0	0	0	0	1	1	0	0	9
(1)	.00	.00	2.33	3.49	1.16	.00	.00	1.16	.00	.00	.00	.00	.00	1.16	1.16	.00	.00	10.47
(2)	.00	.00	.10	.14	.05	.00	.00	.05	.00	.00	.00	.00	.00	.05	.05	.00	.00	.43
8-12	0	3	2	0	1	3	1	2	2	3	4	1	1	0	2	2	0	27
(1)	.00	3.49	2.33	.00	1.16	3.49	1.16	2.33	2.33	3.49	4.65	1.16	1.16	.00	2.33	2.33	.00	31.40
(2)	.00	.14	.10	.00	.05	.14	.05	.10	.10	.14	.19	.05	.05	.00	.10	.10	.00	1.29
13-18	0	3	2	2	2	4	0	0	14	8	0	2	0	0	0	0	0	37
(1)	.00	3.49	2.33	2.33	2.33	4.65	.00	.00	16.28	9.30	.00	2.33	.00	.00	.00	.00	.00	43.02
(2)	.00	.14	.10	.10	.10	.19	.00	.00	.67	.38	.00	.10	.00	.00	.00	.00	.00	1.77
19-24	0	1	2	1	0	0	0	0	1	6	1	0	0	0	0	1	0	13
(1)	.00	1.16	2.33	1.16	.00	.00	.00	.00	1.16	6.98	1.16	.00	.00	.00	.00	1.16	.00	15.12
(2)	.00	.05	.10	.05	.00	.00	.00	.00	.05	.29	.05	.00	.00	.00	.00	.05	.00	.62
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	7	8	6	4	7	1	3	17	17	5	3	1	1	3	3	0	86
(1)	.00	8.14	9.30	6.98	4.65	8.14	1.16	3.49	19.77	19.77	5.81	3.49	1.16	1.16	3.49	3.49	.00	100.00
(2)	.00	.34	.38	.29	.19	.34	.05	.14	.81	.81	.24	.14	.05	.05	.14	.14	.00	4.12

(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 JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 4.99

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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
(1)	.00	.00	.96	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.96
(2)	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05
4-7	1	1	3	1	2	0	0	0	1	1	0	0	1	1	0	1	0	13
(1)	.96	.96	2.88	.96	1.92	.00	.00	.00	.96	.96	.00	.00	.96	.96	.00	.96	.00	12.50
(2)	.05	.05	.14	.05	.10	.00	.00	.00	.05	.05	.00	.00	.05	.05	.00	.05	.00	.62
8-12	2	2	1	2	4	1	6	1	3	6	3	2	1	1	1	0	0	36
(1)	1.92	1.92	.96	1.92	3.85	.96	5.77	.96	2.88	5.77	2.88	1.92	.96	.96	.96	.00	.00	34.62
(2)	.10	.10	.05	.10	.19	.05	.29	.05	.14	.29	.14	.10	.05	.05	.05	.00	.00	1.73
13-18	0	5	4	2	2	2	1	0	7	12	3	2	1	0	1	1	0	43
(1)	.00	4.81	3.85	1.92	1.92	1.92	.96	.00	6.73	11.54	2.88	1.92	.96	.00	.96	.96	.00	41.35
(2)	.00	.24	.19	.10	.10	.10	.05	.00	.34	.58	.14	.10	.05	.00	.05	.05	.00	2.06
19-24	0	1	1	0	0	1	0	0	0	4	1	0	0	0	1	1	0	10
(1)	.00	.96	.96	.00	.00	.96	.00	.00	.00	3.85	.96	.00	.00	.00	.96	.96	.00	9.62
(2)	.00	.05	.05	.00	.00	.05	.00	.00	.00	.19	.05	.00	.00	.00	.05	.05	.00	.48
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.96	.00	.96
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05
ALL SPEEDS	3	9	10	5	8	4	7	1	11	23	7	4	3	2	3	4	0	104
(1)	2.88	8.65	9.62	4.81	7.69	3.85	6.73	.96	10.58	22.12	6.73	3.85	2.88	1.92	2.88	3.85	.00	100.00
(2)	.14	.43	.48	.24	.38	.19	.34	.05	.53	1.10	.34	.19	.14	.10	.14	.19	.00	4.99

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

PILGRIM JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 33.32

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	2	2	1	2	0	0	0	0	0	0	0	0	1	1	2	1	0	12
(1)	.29	.29	.14	.29	.00	.00	.00	.00	.00	.00	.00	.00	.14	.14	.29	.14	.00	1.73
(2)	.10	.10	.05	.10	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.10	.05	.00	.58
4-7	10	11	10	8	9	6	7	7	0	5	7	3	2	2	5	10	0	102
(1)	1.44	1.58	1.44	1.15	1.29	.86	1.01	1.01	.00	.72	1.01	.43	.29	.29	.72	1.44	.00	14.68
(2)	.48	.53	.48	.38	.43	.29	.34	.34	.00	.24	.34	.14	.10	.10	.24	.48	.00	4.89
8-12	8	13	20	18	20	23	10	7	13	36	18	4	6	6	1	7	0	210
(1)	1.15	1.87	2.88	2.59	2.88	3.31	1.44	1.01	1.87	5.18	2.59	.58	.86	.86	.14	1.01	.00	30.22
(2)	.38	.62	.96	.86	.96	1.10	.48	.34	.62	1.73	.86	.19	.29	.29	.05	.34	.00	10.07
13-18	4	13	14	16	16	12	8	6	19	92	24	5	6	7	3	4	0	249
(1)	.58	1.87	2.01	2.30	2.30	1.73	1.15	.86	2.73	13.24	3.45	.72	.86	1.01	.43	.58	.00	35.83
(2)	.19	.62	.67	.77	.77	.58	.38	.29	.91	4.41	1.15	.24	.29	.34	.14	.19	.00	11.94
19-24	0	9	15	10	0	0	0	1	5	37	6	0	3	2	6	4	0	98
(1)	.00	1.29	2.16	1.44	.00	.00	.00	.14	.72	5.32	.86	.00	.43	.29	.86	.58	.00	14.10
(2)	.00	.43	.72	.48	.00	.00	.00	.05	.24	1.77	.29	.00	.14	.10	.29	.19	.00	4.70
GT 24	0	0	5	5	1	0	0	0	0	2	0	0	2	1	4	4	0	24
(1)	.00	.00	.72	.72	.14	.00	.00	.00	.00	.29	.00	.00	.29	.14	.58	.58	.00	3.45
(2)	.00	.00	.24	.24	.05	.00	.00	.00	.00	.10	.00	.00	.10	.05	.19	.19	.00	1.15
ALL SPEEDS	24	48	65	59	46	41	25	21	37	172	55	12	20	19	21	30	0	695
(1)	3.45	6.91	9.35	8.49	6.62	5.90	3.60	3.02	5.32	24.75	7.91	1.73	2.88	2.73	3.02	4.32	.00	100.00
(2)	1.15	2.30	3.12	2.83	2.21	1.97	1.20	1.01	1.77	8.25	2.64	.58	.96	.91	1.01	1.44	.00	33.32

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PILGRIM JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 32.41

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	2	3	2	1	1	0	2	1	2	1	2	1	2	1	0	0	23
(1)	.30	.30	.44	.30	.15	.15	.00	.30	.15	.30	.15	.30	.15	.30	.15	.00	.00	3.40
(2)	.10	.10	.14	.10	.05	.05	.00	.10	.05	.10	.05	.10	.05	.10	.05	.00	.00	1.10
4-7	1	4	2	4	3	12	6	6	6	2	4	4	1	6	8	1	0	70
(1)	.15	.59	.30	.59	.44	1.78	.89	.89	.89	.30	.59	.59	.15	.89	1.18	.15	.00	10.36
(2)	.05	.19	.10	.19	.14	.58	.29	.29	.29	.10	.19	.19	.05	.29	.38	.05	.00	3.36
8-12	6	7	16	13	8	12	17	12	6	11	7	6	7	6	3	4	0	141
(1)	.89	1.04	2.37	1.92	1.18	1.78	2.51	1.78	.89	1.63	1.04	.89	1.04	.89	.44	.59	.00	20.86
(2)	.29	.34	.77	.62	.38	.58	.81	.58	.29	.53	.34	.29	.34	.29	.14	.19	.00	6.76
13-18	5	13	11	0	5	3	11	5	21	63	37	16	19	9	24	9	0	251
(1)	.74	1.92	1.63	.00	.74	.44	1.63	.74	3.11	9.32	5.47	2.37	2.81	1.33	3.55	1.33	.00	37.13
(2)	.24	.62	.53	.00	.24	.14	.53	.24	1.01	3.02	1.77	.77	.91	.43	1.15	.43	.00	12.03
19-24	3	4	2	0	0	0	1	0	4	79	27	5	14	9	11	14	0	173
(1)	.44	.59	.30	.00	.00	.00	.15	.00	.59	11.69	3.99	.74	2.07	1.33	1.63	2.07	.00	25.59
(2)	.14	.19	.10	.00	.00	.00	.05	.00	.19	3.79	1.29	.24	.67	.43	.53	.67	.00	8.29
GT 24	1	0	0	0	0	1	0	0	0	8	1	0	0	0	2	5	0	18
(1)	.15	.00	.00	.00	.00	.15	.00	.00	.00	1.18	.15	.00	.00	.00	.30	.74	.00	2.66
(2)	.05	.00	.00	.00	.00	.05	.00	.00	.00	.38	.05	.00	.00	.00	.10	.24	.00	.86
ALL SPEEDS	18	30	34	19	17	29	35	25	38	165	77	33	42	32	49	33	0	676
(1)	2.66	4.44	5.03	2.81	2.51	4.29	5.18	3.70	5.62	24.41	11.39	4.88	6.21	4.73	7.25	4.88	.00	100.00
(2)	.86	1.44	1.63	.91	.81	1.39	1.68	1.20	1.82	7.91	3.69	1.58	2.01	1.53	2.35	1.58	.00	32.41

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

PILGRIM JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 10.74

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	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	5
(1)	.45	.45	.00	.00	.00	.45	.00	.45	.00	.00	.00	.00	.00	.00	.45	.00	.00	2.23
(2)	.05	.05	.00	.00	.00	.05	.00	.05	.00	.00	.00	.00	.00	.00	.05	.00	.00	.24
4-7	5	1	1	1	0	7	1	0	1	3	1	1	3	2	1	1	0	29
(1)	2.23	.45	.45	.45	.00	3.13	.45	.00	.45	1.34	.45	.45	1.34	.89	.45	.45	.00	12.95
(2)	.24	.05	.05	.05	.00	.34	.05	.00	.05	.14	.05	.05	.14	.10	.05	.05	.00	1.39
8-12	3	0	0	0	6	7	2	2	2	1	4	2	5	12	5	9	0	60
(1)	1.34	.00	.00	.00	2.68	3.13	.89	.89	.89	.45	1.79	.89	2.23	5.36	2.23	4.02	.00	26.79
(2)	.14	.00	.00	.00	.29	.34	.10	.10	.10	.05	.19	.10	.24	.58	.24	.43	.00	2.88
13-18	4	0	0	0	1	1	1	7	4	5	21	13	11	4	7	4	0	83
(1)	1.79	.00	.00	.00	.45	.45	.45	3.13	1.79	2.23	9.38	5.80	4.91	1.79	3.13	1.79	.00	37.05
(2)	.19	.00	.00	.00	.05	.05	.05	.34	.19	.24	1.01	.62	.53	.19	.34	.19	.00	3.98
19-24	2	0	0	0	0	0	0	1	0	10	17	6	3	0	0	0	0	39
(1)	.89	.00	.00	.00	.00	.00	.00	.45	.00	4.46	7.59	2.68	1.34	.00	.00	.00	.00	17.41
(2)	.10	.00	.00	.00	.00	.00	.00	.05	.00	.48	.81	.29	.14	.00	.00	.00	.00	1.87
GT 24	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	0	0	8
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.89	2.68	.00	.00	.00	.00	.00	.00	3.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.29	.00	.00	.00	.00	.00	.00	.38
ALL SPEEDS	15	2	1	1	7	16	4	11	7	21	49	22	22	18	14	14	0	224
(1)	6.70	.89	.45	.45	3.13	7.14	1.79	4.91	3.13	9.38	21.88	9.82	9.82	8.04	6.25	6.25	.00	100.00
(2)	.72	.10	.05	.05	.34	.77	.19	.53	.34	1.01	2.35	1.05	1.05	.86	.67	.67	.00	10.74

(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 (continued)

PILGRIM JUL95-SEP95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 2.68

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	C	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	0	0	1	0	0	0	0	1	0	2	1	2	1	0	0	0	9
(1)	1.79	.00	.00	1.79	.00	.00	.00	.00	1.79	.00	3.57	1.79	3.57	1.79	.00	.00	.00	16.07
(2)	.05	.00	.00	.05	.00	.00	.00	.00	.05	.00	.10	.05	.10	.05	.00	.00	.00	.43
8-12	0	0	0	0	0	0	0	0	0	1	2	5	3	4	0	1	0	16
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.79	3.57	8.93	5.36	7.14	.00	1.79	.00	28.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.10	.24	.14	.19	.00	.05	.00	.77
13-18	0	0	0	0	0	0	0	0	0	0	3	6	4	2	1	0	0	16
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.36	10.71	7.14	3.57	1.79	.00	.00	28.57
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.29	.19	.10	.05	.00	.00	.77
19-24	0	0	0	0	0	0	0	0	0	1	5	1	1	0	0	1	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.79	8.93	1.79	1.79	.00	.00	1.79	.00	16.07
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.24	.05	.05	.00	.00	.05	.00	.43
GT 24	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	1	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.93	.00	.00	.00	.00	1.79	.00	10.71
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.00	.00	.00	.00	.05	.00	.29
ALL SPEEDS	1	0	0	1	0	0	0	0	1	2	17	13	10	7	1	3	0	56
(1)	1.79	.00	.00	1.79	.00	.00	.00	.00	1.79	3.57	30.36	23.21	17.86	12.50	1.79	5.36	.00	100.00
(2)	.05	.00	.00	.05	.00	.00	.00	.00	.05	.10	.81	.62	.48	.34	.05	.14	.00	2.68

(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 (continued)

PILGRIM JUL95-SEP95 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	5	5	5	4	1	2	0	3	1	2	1	2	2	3	4	1	0	41
(1)	.24	.24	.24	.19	.05	.10	.00	.14	.05	.10	.05	.10	.10	.14	.19	.05	.00	1.97
(2)	.24	.24	.24	.19	.05	.10	.00	.14	.05	.10	.05	.10	.10	.14	.19	.05	.00	1.97
4-7	25	24	18	21	18	25	15	14	9	11	14	9	10	13	19	21	0	266
(1)	1.20	1.15	.86	1.01	.86	1.20	.72	.67	.43	.53	.67	.43	.48	.62	.91	1.01	.00	12.75
(2)	1.20	1.15	.86	1.01	.86	1.20	.72	.67	.43	.53	.67	.43	.48	.62	.91	1.01	.00	12.75
8-12	31	43	47	45	47	52	39	25	28	58	40	21	23	37	15	27	0	578
(1)	1.49	2.06	2.25	2.16	2.25	2.49	1.87	1.20	1.34	2.78	1.92	1.01	1.10	1.77	.72	1.29	.00	27.71
(2)	1.49	2.06	2.25	2.16	2.25	2.49	1.87	1.20	1.34	2.78	1.92	1.01	1.10	1.77	.72	1.29	.00	27.71
13-18	24	43	41	28	27	24	23	18	73	191	88	44	42	25	39	23	0	753
(1)	1.15	2.06	1.97	1.34	1.29	1.15	1.10	.86	3.50	9.16	4.22	2.11	2.01	1.20	1.87	1.10	.00	36.10
(2)	1.15	2.06	1.97	1.34	1.29	1.15	1.10	.86	3.50	9.16	4.22	2.11	2.01	1.20	1.87	1.10	.00	36.10
19-24	7	30	23	12	0	2	1	3	11	141	58	12	21	11	20	32	0	384
(1)	.34	1.44	1.10	.58	.00	.10	.05	.14	.53	6.76	2.78	.58	1.01	.53	.96	1.53	.00	18.41
(2)	.34	1.44	1.10	.58	.00	.10	.05	.14	.53	6.76	2.78	.58	1.01	.53	.96	1.53	.00	18.41
GT 24	1	0	6	5	1	1	0	0	0	12	12	0	2	1	7	16	0	64
(1)	.05	.00	.29	.24	.05	.05	.00	.00	.00	.58	.58	.00	.10	.05	.34	.77	.00	3.07
(2)	.05	.00	.29	.24	.05	.05	.00	.00	.00	.58	.58	.00	.10	.05	.34	.77	.00	3.07
ALL SPEEDS	93	145	140	115	94	106	78	63	122	415	213	88	100	90	104	120	0	2086
(1)	4.46	6.95	6.71	5.51	4.51	5.08	3.74	3.02	5.85	19.89	10.21	4.22	4.79	4.31	4.99	5.75	.00	100.00
(2)	4.46	6.95	6.71	5.51	4.51	5.08	3.74	3.02	5.85	19.89	10.21	4.22	4.79	4.31	4.99	5.75	.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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS A CLASS FREQUENCY (PERCENT) = 4.46

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	3	0	0	0	0	0	0	0	0	1	0	0	2	3	2	0	12
(1)	1.02	3.06	.00	.00	.00	.00	.00	.00	.00	.00	1.02	.00	.00	2.04	3.06	2.04	.00	12.24
(2)	.05	.14	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.09	.14	.09	.00	.55
8-12	5	1	0	1	1	0	0	0	0	0	0	0	1	5	2	2	0	18
(1)	5.10	1.02	.00	1.02	1.02	.00	.00	.00	.00	.00	.00	.00	1.02	5.10	2.04	2.04	.00	18.37
(2)	.23	.05	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.05	.23	.09	.09	.00	.82
13-18	2	0	0	0	0	0	0	0	0	0	0	0	7	12	2	3	0	26
(1)	2.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.14	12.24	2.04	3.06	.00	26.53
(2)	.09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.55	.09	.14	.00	1.18
19-24	2	4	0	0	0	0	0	0	1	0	0	0	7	15	0	4	0	33
(1)	2.04	4.08	.00	.00	.00	.00	.00	.00	1.02	.00	.00	.00	7.14	15.31	.00	4.08	.00	33.67
(2)	.09	.18	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.32	.68	.00	.18	.00	1.50
GT 24	0	0	0	0	0	0	0	0	0	0	0	0	2	7	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.04	7.14	.00	.00	.00	9.18
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.32	.00	.00	.00	.41
ALL SPEEDS	10	8	0	1	1	0	0	0	1	0	1	0	17	41	7	11	0	98
(1)	10.20	8.16	.00	1.02	1.02	.00	.00	.00	1.02	.00	1.02	.00	17.35	41.84	7.14	11.22	.00	100.00
(2)	.46	.36	.00	.05	.05	.00	.00	.00	.05	.00	.05	.00	.77	1.87	.32	.50	.00	4.46

(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 (continued)

PILGRIM OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS B CLASS FREQUENCY (PERCENT) = 3.00

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	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	2	0	1	1	0	0	0	0	0	0	1	1	1	3	0	0	12
(1)	3.03	3.03	.00	1.52	1.52	.00	.00	.00	.00	.00	.00	1.52	1.52	1.52	4.55	.00	.00	18.18
(2)	.09	.09	.00	.05	.05	.00	.00	.00	.00	.00	.00	.05	.05	.05	.14	.00	.00	.55
8-12	1	1	0	0	0	0	0	0	0	0	0	1	5	4	0	1	0	13
(1)	1.52	1.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.52	7.58	6.06	.00	1.52	.00	19.70
(2)	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.23	.18	.00	.05	.00	.59
13-18	1	0	0	0	0	0	1	0	2	1	1	1	3	4	0	1	0	15
(1)	1.52	.00	.00	.00	.00	.00	1.52	.00	3.03	1.52	1.52	1.52	4.55	6.06	.00	1.52	.00	22.73
(2)	.05	.00	.00	.00	.00	.00	.05	.00	.09	.05	.05	.05	.14	.18	.00	.05	.00	.68
19-24	0	2	0	0	0	0	0	0	0	0	1	0	6	8	0	0	0	17
(1)	.00	3.03	.00	.00	.00	.00	.00	.00	.00	.00	1.52	.00	9.09	12.12	.00	.00	.00	25.76
(2)	.00	.09	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.27	.36	.00	.00	.00	.77
GT 24	0	1	1	0	0	0	0	0	0	0	0	0	4	3	0	0	0	9
(1)	.00	1.52	1.52	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.06	4.55	.00	.00	.00	13.64
(2)	.00	.05	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	.14	.00	.00	.00	.41
ALL SPEEDS	4	6	1	1	1	0	1	0	2	1	2	3	19	20	3	2	0	66
(1)	6.06	9.09	1.52	1.52	1.52	.00	1.52	.00	3.03	1.52	3.03	4.55	28.79	30.30	4.55	3.03	.00	100.00
(2)	.18	.27	.05	.05	.05	.00	.05	.00	.09	.05	.09	.14	.86	.91	.14	.09	.00	3.00

(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 (continued)

PILGRIM OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS C CLASS FREQUENCY (PERCENT) = 4.10

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	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
(1)	.00	1.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.11	.00	.00	.00	.00	2.22
(2)	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.09
8-12	2	3	1	0	0	1	1	1	3	0	5	5	5	0	1	1	0	29
(1)	2.22	3.33	1.11	.00	.00	1.11	1.11	1.11	3.33	.00	5.56	5.56	5.56	.00	1.11	1.11	.00	32.22
(2)	.09	.14	.05	.00	.00	.05	.05	.05	.14	.00	.23	.23	.23	.00	.05	.05	.00	1.32
13-18	0	2	5	0	0	0	0	0	1	4	4	1	4	6	1	0	0	28
(1)	.00	2.22	5.56	.00	.00	.00	.00	.00	1.11	4.44	4.44	1.11	4.44	6.67	1.11	.00	.00	31.11
(2)	.00	.09	.23	.00	.00	.00	.00	.00	.05	.18	.18	.05	.18	.27	.05	.00	.00	1.27
19-24	1	1	1	1	0	0	0	0	1	3	0	2	3	3	0	1	0	17
(1)	1.11	1.11	1.11	1.11	.00	.00	.00	.00	1.11	3.33	.00	2.22	3.33	3.33	.00	1.11	.00	18.89
(2)	.05	.05	.05	.05	.00	.00	.00	.00	.05	.14	.00	.09	.14	.14	.00	.05	.00	.77
GT 24	0	1	2	1	0	0	0	0	0	0	0	2	2	5	0	1	0	14
(1)	.00	1.11	2.22	1.11	.00	.00	.00	.00	.00	.00	.00	2.22	2.22	5.56	.00	1.11	.00	15.56
(2)	.00	.05	.09	.05	.00	.00	.00	.00	.00	.00	.00	.09	.09	.23	.00	.05	.00	.64
ALL SPEEDS	3	8	9	2	0	1	1	1	5	7	9	10	15	14	2	3	0	90
(1)	3.33	8.89	10.00	2.22	.00	1.11	1.11	1.11	5.56	7.78	10.00	11.11	16.67	15.56	2.22	3.33	.00	100.00
(2)	.14	.36	.41	.09	.00	.05	.05	.05	.23	.32	.41	.46	.68	.64	.09	.14	.00	4.10

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

PILGRIM OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS D CLASS FREQUENCY (PERCENT) = 44.42

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	0	0	0	0	1	0	2	0	0	1	1	0	1	0	1	0	9
(1)	.20	.00	.00	.00	.00	.10	.00	.20	.00	.00	.10	.10	.00	.10	.00	.10	.00	.92
(2)	.09	.00	.00	.00	.00	.05	.00	.09	.00	.00	.05	.05	.00	.05	.00	.05	.00	.41
4-7	5	6	2	4	2	2	3	3	0	6	2	9	8	6	9	2	0	69
(1)	.51	.61	.20	.41	.20	.20	.31	.31	.00	.61	.20	.92	.82	.61	.92	.20	.00	7.07
(2)	.23	.27	.09	.18	.09	.09	.14	.14	.00	.27	.09	.41	.36	.27	.41	.09	.00	3.14
8-12	12	17	7	11	16	11	3	5	4	13	20	11	17	24	14	14	0	199
(1)	1.23	1.74	.72	1.13	1.64	1.13	.31	.51	.41	1.33	2.05	1.13	1.74	2.46	1.43	1.43	.00	20.39
(2)	.55	.77	.32	.50	.73	.50	.14	.23	.18	.59	.91	.50	.77	1.09	.64	.64	.00	9.06
13-18	1	13	6	7	5	13	14	8	22	32	14	27	44	63	24	6	0	299
(1)	.10	1.33	.61	.72	.51	1.33	1.43	.82	2.25	3.28	1.43	2.77	4.51	6.45	2.46	.61	.00	30.64
(2)	.05	.59	.27	.32	.23	.59	.64	.36	1.00	1.46	.64	1.23	2.00	2.87	1.09	.27	.00	13.61
19-24	17	3	9	1	0	12	18	4	13	14	12	14	36	33	23	3	0	212
(1)	1.74	.31	.92	.10	.00	1.23	1.84	.41	1.33	1.43	1.23	1.43	3.69	3.38	2.36	.31	.00	21.72
(2)	.77	.14	.41	.05	.00	.55	.82	.18	.59	.64	.55	.64	1.64	1.50	1.05	.14	.00	9.65
GT 24	11	1	4	15	4	9	23	14	7	1	4	6	32	44	5	8	0	188
(1)	1.13	.10	.41	1.54	.41	.92	2.36	1.43	.72	.10	.41	.61	3.28	4.51	.51	.82	.00	19.26
(2)	50	.05	.18	.68	.18	.41	1.05	.64	.32	.05	.18	.27	1.46	2.00	.23	.36	.00	8.56
ALL SPEEDS	48	40	28	38	27	48	61	36	46	66	53	68	137	171	75	34	0	976
(1)	4.92	4.10	2.87	3.89	2.77	4.92	6.25	3.69	4.71	6.76	5.43	6.97	14.04	17.52	7.68	3.48	.00	100.00
(2)	2.18	1.82	1.27	1.73	1.23	2.18	2.78	1.64	2.09	3.00	2.41	3.10	6.24	7.78	3.41	1.55	.00	44.42

(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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS E CLASS FREQUENCY (PERCENT) = 31.27

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	2	2	0	0	0	1	1	1	0	2	1	1	2	0	14
(1)	.00	.15	.00	.29	.29	.00	.00	.00	.15	.15	.15	.00	.29	.15	.15	.29	.00	2.04
(2)	.00	.05	.00	.09	.09	.00	.00	.00	.05	.05	.05	.00	.09	.05	.05	.09	.00	.64
4-7	1	0	1	3	0	4	2	2	1	7	4	5	3	1	5	8	0	47
(1)	.15	.00	.15	.44	.00	.58	.29	.29	.15	1.02	.58	.73	.44	.15	.73	1.16	.00	6.84
(2)	.05	.00	.05	.14	.00	.18	.09	.09	.05	.32	.18	.23	.14	.05	.23	.36	.00	2.14
8-12	10	3	0	1	1	6	3	9	11	11	13	10	15	24	13	2	0	132
(1)	1.46	.44	.00	.15	.15	.87	.44	1.31	1.60	1.60	1.89	1.46	2.18	3.49	1.89	.29	.00	19.21
(2)	.46	.14	.00	.05	.05	.27	.14	.41	.50	.50	.59	.46	.68	1.09	.59	.09	.00	6.01
13-18	0	0	0	0	6	4	9	3	8	26	29	55	109	34	16	0	0	299
(1)	.00	.00	.00	.00	.87	.58	1.31	.44	1.16	3.78	4.22	8.01	15.87	4.95	2.33	.00	.00	43.52
(2)	.00	.00	.00	.00	.27	.18	.41	.14	.36	1.18	1.32	2.50	4.96	1.55	.73	.00	.00	13.61
19-24	0	0	0	0	0	7	9	0	2	23	24	13	39	25	7	0	0	149
(1)	.00	.00	.00	.00	.00	1.02	1.31	.00	.29	3.35	3.49	1.89	5.68	3.64	1.02	.00	.00	21.69
(2)	.00	.00	.00	.00	.00	.32	.41	.00	.09	1.05	1.09	.59	1.78	1.14	.32	.00	.00	6.78
GT 24	2	4	6	2	0	3	0	2	2	0	0	0	11	3	10	1	0	46
(1)	.29	.58	.87	.29	.00	.44	.00	.29	.29	.00	.00	.00	1.60	.44	1.46	.15	.00	6.70
(2)	.09	.18	.27	.09	.00	.14	.00	.09	.09	.00	.00	.00	.50	.14	.46	.05	.00	2.09
ALL SPEEDS	13	8	7	8	9	24	23	16	25	68	71	83	179	88	52	13	0	687
(1)	1.89	1.16	1.02	1.16	1.31	3.49	3.35	2.33	3.64	9.90	10.33	12.08	26.06	12.81	7.57	1.89	.00	100.00
(2)	.59	.36	.32	.36	.41	1.09	1.05	.73	1.14	3.10	3.23	3.78	8.15	4.01	2.37	.59	.00	31.27

(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 OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS F CLASS FREQUENCY (PERCENT) = 11.06

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	1	0	0	0	0	0	2	0	1	0	0	0	1	3	0	0	0	8
(1)	.41	.00	.00	.00	.00	.00	.82	.00	.41	.00	.00	.00	.41	1.23	.00	.00	.00	3.29
(2)	.05	.00	.00	.00	.00	.00	.09	.00	.05	.00	.00	.00	.05	.14	.00	.00	.00	.36
4-7	0	0	0	0	1	0	2	0	3	2	4	3	4	4	4	0	0	27
(1)	.00	.00	.00	.00	.41	.00	.82	.00	1.23	.82	1.65	1.23	1.65	1.65	1.65	.00	.00	11.11
(2)	.00	.00	.00	.00	.05	.00	.09	.00	.14	.09	.18	.14	.18	.18	.18	.00	.00	1.23
8-12	0	0	0	0	0	1	7	5	10	10	4	10	9	21	6	0	0	83
(1)	.00	.00	.00	.00	.00	.41	2.88	2.06	4.12	4.12	1.65	4.12	3.70	8.64	2.47	.00	.00	34.16
(2)	.00	.00	.00	.00	.00	.05	.32	.23	.46	.46	.18	.46	.41	.96	.27	.00	.00	3.78
13-18	0	0	0	0	0	0	0	3	7	5	20	24	20	6	0	1	0	86
(1)	.00	.00	.00	.00	.00	.00	.00	1.23	2.88	2.06	8.23	9.88	8.23	2.47	.00	.41	.00	35.39
(2)	.00	.00	.00	.00	.00	.00	.00	.14	.32	.23	.91	1.09	.91	.27	.00	.05	.00	3.91
19-24	0	0	0	0	0	1	0	0	1	8	14	6	7	0	0	0	0	37
(1)	.00	.00	.00	.00	.00	.41	.00	.00	.41	3.29	5.76	2.47	2.88	.00	.00	.00	.00	15.23
(2)	.00	.00	.00	.00	.00	.05	.00	.00	.05	.36	.64	.27	.32	.00	.00	.00	.00	1.68
GT 24	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.82	.00	.00	.00	.00	.00	.00	.82
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.09
ALL SPEEDS	1	0	0	0	1	2	11	8	22	25	44	43	41	34	10	1	0	243
(1)	.41	.00	.00	.00	.41	.82	4.53	3.29	9.05	10.29	18.11	17.70	16.87	13.99	4.12	.41	.00	100.00
(2)	.05	.00	.00	.00	.05	.09	.50	.36	1.00	1.14	2.00	1.96	1.87	1.55	.46	.05	.00	11.06

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PILGRIM OCT95-DEC95 MET DATA JOINT FREQUENCY DISTRIBUTION (220-FOOT TOWER)

220.0 FT WIND DATA STABILITY CLASS G CLASS FREQUENCY (PERCENT) = 1.68

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	1	0	0	0	0	1	0	0	0	0	1	1	0	0	4
(1)	.00	.00	.00	2.70	.00	.00	.00	.00	2.70	.00	.00	.00	.00	2.70	2.70	.00	.00	10.81
(2)	.00	.00	.00	.05	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05	.05	.00	.00	.18
4-7	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	4
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.11	.00	2.70	.00	.00	10.81
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.05	.00	.00	.18
8-12	0	0	0	0	0	0	0	0	0	1	4	1	5	1	0	2	0	14
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.70	10.81	2.70	13.51	2.70	.00	5.41	.00	37.84
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.18	.05	.23	.05	.00	.09	.00	.64
13-18	0	0	0	0	0	0	0	0	0	1	0	0	3	1	1	0	0	6
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.70	.00	.00	8.11	2.70	2.70	.00	.00	16.22
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.14	.05	.05	.00	.00	.27
19-24	0	0	0	0	0	0	0	0	0	2	5	1	1	0	0	0	0	9
(1)	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.41	13.51	2.70	2.70	.00	.00	.00	.00	24.32
(2)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.23	.05	.05	.00	.00	.00	.00	.41
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	0	0	0	1	4	9	2	12	3	3	2	0	37
(1)	.00	.00	.00	2.70	.00	.00	.00	.00	2.70	10.81	24.32	5.41	32.43	8.11	8.11	5.41	.00	100.00
(2)	.00	.00	.00	.05	.00	.00	.00	.00	.05	.18	.41	.09	.55	.14	.14	.09	.00	1.68

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

PILGRIM OCT95-DEC95 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	1	0	3	2	1	2	2	3	1	2	1	3	6	2	3	0	35
(1)	.14	.05	.00	.14	.09	.05	.09	.09	.14	.05	.09	.05	.14	.27	.09	.14	.00	1.59
(2)	.14	.05	.00	.14	.09	.05	.09	.09	.14	.05	.09	.05	.14	.27	.09	.14	.00	1.59
4-7	9	12	3	8	4	6	7	5	4	15	11	18	20	14	25	12	0	173
(1)	.41	.55	.14	.36	.18	.27	.32	.23	.18	.68	.50	.82	.91	.64	1.14	.55	.00	7.87
(2)	.41	.55	.14	.36	.18	.27	.32	.23	.18	.68	.50	.82	.91	.64	1.14	.55	.00	7.87
8-12	30	25	8	13	18	19	14	20	28	35	46	38	57	79	36	22	0	488
(1)	1.37	1.14	.36	.59	.82	.86	.64	.91	1.27	1.59	2.09	1.73	2.59	3.60	1.64	1.00	.00	22.21
(2)	1.37	1.14	.36	.59	.82	.86	.64	.91	1.27	1.59	2.09	1.73	2.59	3.60	1.64	1.00	.00	22.21
13-18	4	15	11	7	11	17	24	14	40	69	68	108	190	126	44	11	0	759
(1)	.18	.68	.50	.32	.50	.77	1.09	.64	1.82	3.14	3.10	4.92	8.65	5.74	2.00	.50	.00	34.55
(2)	.18	.68	.50	.32	.50	.77	1.09	.64	1.82	3.14	3.10	4.92	8.65	5.74	2.00	.50	.00	34.55
19-24	20	10	10	2	0	20	27	4	18	50	56	36	99	84	30	8	0	474
(1)	.91	.46	.46	.09	.00	.91	1.23	.18	.82	2.28	2.55	1.64	4.51	3.82	1.37	.36	.00	21.57
(2)	.91	.46	.46	.09	.00	.91	1.23	.18	.82	2.28	2.55	1.64	4.51	3.82	1.37	.36	.00	21.57
GT 24	13	7	13	18	4	12	23	16	9	1	6	8	51	62	15	10	0	268
(1)	.59	.32	.59	.82	.18	.55	1.05	.73	.41	.05	.27	.36	2.32	2.82	.68	.46	.00	12.20
(2)	.59	.32	.59	.82	.18	.55	1.05	.73	.41	.05	.27	.36	2.32	2.82	.68	.46	.00	12.20
ALL SPEEDS	79	70	45	51	39	75	97	61	102	171	189	209	420	371	152	66	0	2197
(1)	3.60	3.19	2.05	2.32	1.78	3.41	4.42	2.78	4.64	7.78	8.60	9.51	19.12	16.89	6.92	3.00	.00	100.00
(2)	3.60	3.19	2.05	2.32	1.78	3.41	4.42	2.78	4.64	7.78	8.60	9.51	19.12	16.89	6.92	3.00	.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)

5. OFF-SITE DOSE CALCULATION MANUAL REVISIONS

The PNPS Off-site Dose Calculation Manual (ODCM) was revised once during the reporting period. Copies of the revised pages from the ODCM are included in this report as Appendix A.

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. R.J. O'Neill memorandum to D. Fountain, "1.21 Report", dated February 09, 1996.

3. T. Messier memorandum to K. J. Sejkora, "Documentation for Calculation of 3rd and 4th Quarter 1995 JFD Tables for Pilgrim Station", dated February 7, 1996.

KJS/gml

APPENDIX A

ODCM REVISION 7