

Pilgrim Nuclear Power Station

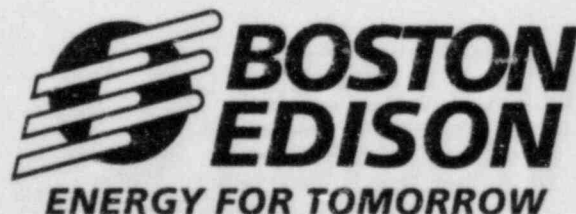
Radioactive Effluent and Waste Disposal Report including Radiological Impact on Humans

January 1 through June 30, 1984

Environmental and Radiological
Health and Safety Group

Date: October 1, 1984

8410100673 840925
PDR ADDCK 05000293
R PDR



JE 25
1/1

PILGRIM NUCLEAR POWER STATION
RADIOACTIVE EFFLUENT AND WASTE DISPOSAL REPORT
INCLUDING RADIOLOGICAL IMPACT ON HUMANS
JANUARY 1 THROUGH JUNE 30, 1984

Prepared by: Brian P. Lunn
Brian P. Lunn
Health Physics Engineer

Approved by: T. L. Sowdon
T. L. Sowdon
Environmental & Radiological
Health & Safety Group Leader

Date of Submittal: October 1, 1984

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. Introduction and Summary	1
2. Effluent, Waste Disposal and Wind Data	1
3. Off-Site Doses Resulting From Radioactive Liquid Effluents	41
4. Off-Site Doses Resulting From Radioactive Gaseous Effluents	46
5. Off-Site Doses From Direct Radiation	67

LIST OF TABLES

<u>Table</u>	<u>Page</u>
Supplemental Information	2
1A Gaseous Effluents - Summation of All Releases	3
1B Gaseous Effluents - Elevated Release	4
1C Gaseous Effluents - Ground Level Release	5
2A Liquid Effluents - Summation of All Releases	6
2B Liquid Effluents	7
3 Solid Waste and Irradiated Fuel Shipments	8
4A-1 Distribution of Wind Directions and Speeds - 33 ft. Level of 220 ft. Tower	9
4A-2 Distribution of Wind Directions and Speeds - 160 ft. Level of 220 ft. Tower	25
3.2-1 January - June 1984 Liquid Release Maximum Individual Doses from all Pathways for Adults (mREM)	42
3.2-2 January - June 1984 Liquid Releases Maximum Individual Dose from all Pathways for Teenagers (mREM)	43
3.2-3 January - June 1984 Liquid Releases Maximum Individual Doses from all Pathways for Children (mREM)	44
3.3-1 Population Doses Resulting from the January - June 1984 Liquid Effluents	45

LIST OF TABLES (cont.)

<u>Table</u>		<u>Page</u>
4.1-1	Undepleted Relative Concentrations per Unit Emission for Reactor Building Vent for January - March 1984	47
4.1-2	Depleted Relative Concentrations per Unit Emission for Reactor Building Vent for January - March 1984	48
4.1-3	Relative Deposition Concentrations per Unit Emission for Reactor Building Vent for January - March 1984	49
4.1-4	Undepleted Relative Concentrations per Unit Emission for Main Stack for January - March 1984	50
4.1-5	Depleted Relative Concentrations per Unit Emission for Main Stack for January - March 1984	51
4.1-6	Relative Deposition Concentrations per Unit Emission for Main Stack for January - March 1984	52
4.1-7	Undepleted Relative Concentrations per Unit Emission for Reactor Building Vent for April - June 1984	53
4.1-8	Depleted Relative Concentrations per Unit Emission for Reactor Building Vent for April - June 1984	54
4.1-9	Relative Deposition Concentrations per Unit Emission for Reactor Building Vent for April - June 1984	55
4.1-10	Undepleted Relative Concentrations per Unit Emission for Main Stack for April - June 1984	56
4.1-11	Depleted Relative Concentrations per Unit Emission for Main Stack for April - June 1984	57
4.1-12	Relative Deposition Concentrations per Unit Emission for Main Stack for April - June 1984	58
4.2-1	Maximum Individual Locations and Pathways	59
4.2-2	January - June 1984 Gaseous Release Maximum Individual Doses from all Pathways for Adults (mREM)	60
4.2-3	January - June 1984 Gaseous Release Maximum Individual Doses from all Pathways for Teenagers (mREM)	61
4.2-4	January - June 1984 Gaseous Release Maximum Individual Doses from all Pathways for Children (mREM)	62
4.2-5	January - June 1984 Gaseous Release Maximum Individual Dose from all Pathways for Infants (mREM)	63

<u>Table</u>		<u>Page</u>
4.2-6	January - June 1984 Gaseous Release Maximum Individual Doses 0.5 Miles SE	64
4.3-1	Population Distribution	65
4.3-2	Population Doses Via Major Pathways Resulting from Gaseous Effluents during January - June 1984	66

1. INTRODUCTION AND SUMMARY

This report is issued for the period January - June 1984 in accordance with 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" (Rev 1). The information supplied includes doses from liquid releases, doses from gaseous releases and direct gamma radiation doses.

2. EFFLUENT, WASTE DISPOSAL AND WIND DATA

Radioactive liquid and gaseous releases, wind speed data together with measurement errors and solid waste disposal information are given in Tables 1A, 1B, 1C, 2A, 2B, 3, 4A-1, 4A-2, and supplemental information section in the standard Regulatory Guide 1.21 format.

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT

Supplemental Information

January - June, 1984

Facility Pilgrim Nuclear Power Station Licensee DPR-35

1. Regulatory Limits

- a. Fission and activation gases: $\frac{Q_s}{0.25/\bar{E}} + \frac{Q}{0.10/\bar{E}} \leq 1$
- b. Iodines: 2Ci/Quarter
- c. Particulates, half-lives > 8 days: $13(1.8E4Q_s + 1.8E5Q_v) \leq 1$
- d. Liquid effluents: 10Ci/Quarter

2. Maximum Permissible Concentration

Provide the MPC's used in determining allowable release rates or concentrations

- a. Fission and activation gases: } 10 CFR 20
- b. Iodines: } Appendix B
- c. Particulates, half-lives > 8 days: } Table II
- d. Liquid effluents: H-3 = 1×10^{-5} μ Ci/ml; all rest, 10 CFR 20, Appendix B, Table II

3. Average Energy

Provide the average energy (\bar{E}) of the radionuclide mixture in releases of fission and activation gases, if applicable - $\bar{E} = 4 - 10 \text{ Mev}$ N/A

4. Measurements and Approximations of Total Radioactivity

Provide the methods used to measure or approximate the total radioactivity in effluents and the methods used to determine radionuclide composition.

- a. Fission and activation gases: } GeLi
- b. Iodines: } Isotopic
- c. Particulates: } Analysis
- d. Liquid effluents: }

5. Batch Releases

Provide the following information relating to batch releases of radioactive materials in liquid and gaseous effluents.

a. Liquid

- 1. Number of batch releases: 324
- 2. Total time period for batch releases: 1425.55 hours
- 3. Maximum time period for a batch release: - 76.50 hours
- 4. Average time period for batch releases: 4.40 hours
- 5. Minimum time period for a batch release: - 10 minutes
- 6. Average stream flow during periods of release of effluent into a flowing stream: 5.27E4GPM

b. Gaseous (Not Applicable)

6. Abnormal Releases

- a. None
- b. None

TABLE 1A
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

JANUARY - JUNE 1984

Unit	Quarter 1	Quarter 2	Est. Total Error, %
------	--------------	--------------	------------------------

A. Fission and activation gases

1. Total release	Ci	*	*	
2. Average release rate for period	$\mu\text{Ci}/\text{sec}$			
3. Percent of Technical Specification limit	%			

B. Iodines

1. Total iodine-131	Ci	$< 4.74\text{E}-5$	*	25
2. Average release rate for period	$\mu\text{Ci}/\text{sec}$	$< 9.14\text{E}-6$		
3. Percent of Technical Specification limit	%	$< 2.37\text{E}-3$		

C. Particulates

1. Particulates with half-lives > 8 days	Ci	$< 1.18\text{E}-3$	$1.37\text{E}-3$	30
2. Average release rate for period	$\mu\text{Ci}/\text{sec}$	$< 2.28\text{E}-4$	$5.29\text{E}-4$	
3. Percent of Technical Specification limit	%	< 0.05	< 0.05	
4. Gross alpha radioactivity	Ci	$7.15\text{E}-7$	$< 1.19\text{E}-6$	

D. Tritium

1. Total release	Ci	$1.28\text{E}0$	$1.89\text{E}-1$	40
2. Average release rate for period	$\mu\text{Ci}/\text{sec}$	$1.63\text{E}-1$	$2.40\text{E}-2$	
3. Percent of Technical Specification limit	%	-	-	

*Plant shutdown on 12/10/83 - no releases

TABLE 1B
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1984)
GASEOUS EFFLUENTS - ELEVATED RELEASE

JANUARY - JUNE 1984

CONTINUOUS MODE

BATCH MODE

Nuclides Released	Unit	Quarter -1	Quarter-2	Quarter	Quarter
-------------------	------	------------	-----------	---------	---------

1. Fission gases

krypton-85	Ci	*	*		
krypton-85m	Ci	*	*		
krypton-87	Ci	*	*		
krypton-88	Ci	*	*		
xenon-133	Ci	*	*		
xenon-135	Ci	*	*		
xenon-135m	Ci	*	*		
xenon-138	Ci	*	*		
xenon-131m	Ci	*	*		
xenon-137	Ci	*	*		
xenon-133m	Ci	*	*		
Total for period	Ci	*	*		

2. Iodines

iodine-131	Ci	< 6.19E-6	*		
iodine-133	Ci	*	*		
iodine-135	Ci	*	*		
Total for period	Ci	< 6.19E-6	*		

3. Particulates

strontium-89	Ci	< 1.52E-4	*		
strontium-90	Ci	< 1.80E-6	*		
cesium-134	Ci	< 3.98E-6	*		
cesium-137	Ci	3.04E-6	*		
barium-lanthanum-140	Ci	< 9.60E-6	*		
chromium-51	Ci	-	*		
manganese-54	Ci	1.24E-6	*		
cobalt-58	Ci	-	*		
iron-59	Ci	-	*		
cobalt-60	Ci	8.13E-6	*		
zinc-65	Ci	-	*		
zirconium-niobium-95	Ci	-	*		
cerium-141	Ci	-	*		
cerium-144	Ci	-	*		
ruthenium-103	Ci	-	*		
ruthenium-106	Ci	-	*		

*Plant shutdown on 12/10/83 - no releases

TABLE 1C
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1984)
GASEOUS EFFLUENTS - GROUND LEVEL RELEASE

JANUARY - JUNE 1984

Nuclides Released	Unit	CONTINUOUS MODE		BATCH MODE	
		Quarter_1	Quarter_2	Quarter	Quarter

1. Fission gases

krypton-85	Ci	*	*		
krypton-85m	Ci	*	*		
krypton-87	Ci	*	*		
krypton-88	Ci	*	*		
xenon-133	Ci	*	*		
xenon-135	Ci	*	*		
xenon-135m	Ci	*	*		
xenon-138	Ci	*	*		
Total for period	Ci	*	*		

2. Iodines

iodine-131	Ci	<4.12E-5	*		
iodine-133	Ci	*	*		
iodine-135	Ci	*	*		
Total for period	Ci	<4.12E-5	*		

3. Particulates

strontium-89	Ci	<1.28E-6	<6.90E-7		
strontium-90	Ci	<1.94E-7	1.23E-6		
cesium-134	Ci	1.24E-5	1.02E-5		
cesium-137	Ci	1.46E-4	1.17E-4		
barium-lanthanum-140	Ci	<5.07E-5	-		
manganese-54	Ci	2.11E-4	1.73E-4		
cobalt-58	Ci	2.84E-5	9.39E-6		
iron-59	Ci	-	-		
cobalt-60	Ci	5.54E-4	8.29E-4		
zinc-65	Ci	-	2.26E-4		
zirconium-niobium-95	Ci	-	-		
cerium-141	Ci	-	-		
ruthenium-103	Ci	-	-		
ruthenium-106	Ci	-	-		

*Plant Shutdown on 12/10/83 - no releases

TABLE 2A
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1984)
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

Unit	Quarter 1	Quarter 2	Est. Total Error, %
------	-----------	-----------	---------------------

A. Fission and activation products

1. Total release (not including tritium, noble gases, or alpha)	Ci	1.61E0	7.01E-2	30
2. Average diluted concentration during period	μCi/ml	1.05E-7	4.01E-8	
3. Percent of applicable limit	%	16.10	0.70	

B. Tritium

1. Total release	Ci	1.00E1	4.57E-1	30
2. Average diluted concentration during period	μCi/ml	6.54E-7	2.61E-7	
3. Percent of applicable limit	%	6.54	2.61	

C. Dissolved and entrained gases

1. Total release	Ci	(a)	(a)	
2. Average diluted concentration during period	μCi/ml	-	-	
3. Percent of applicable limit	%			

D. Gross alpha radioactivity

1. Total release	Ci	<3.60E-4	<7.54E-5	40
------------------	----	----------	----------	----

E. Volume of waste released (prior to dilution)	liters	7.26E6	9.99E5	20
---	--------	--------	--------	----

F. Volume of dilution water used during period	liters	1.53E10	1.75E9	20
--	--------	---------	--------	----

(a) No measurable releases.

TABLE 2B
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1984)

LIQUID EFFLUENTS
JANUARY - JUNE 1984

Nuclides Released	Unit	CONTINUOUS MODE		BATCH MODE	
		Quarter	Quarter	Quarter 1	Quarter 2
strontium-89	Ci			< 3.08E-4	< 4.50E-5
strontium-90	Ci			1.83E-3	< 9.63E-5
cesium-131	Ci			2.80E-3	1.80E-4
cesium-137	Ci			7.89E-2	7.02E-3
iodine-131	Ci			8.20E-7	-
cobalt-58	Ci			2.78E-2	7.07E-4
cobalt-60	Ci			8.41E-1	4.19E-2
iron-59	Ci			5.57E-3	-
zinc-65	Ci			1.61E-3	3.77E-4
manganese-54	Ci			8.33E-2	3.13E-3
chromium-51	Ci			2.62E-5	1.61E-5
zirconium-niobium-95	Ci			-	-
molybdenum 99- technetium 99m	Ci			-	-
barium-lanthanum-140	Ci			1.29E-6	-
cerium-141	Ci			2.23E-3	-
iodine-133	Ci			-	-
cerium-144	Ci			2.08E-3	-
silver-110m	Ci			-	-
iron-55	Ci			4.55E-1	1.24E-2
unidentified	Ci			1.09E-1	4.22E-3
Total for period (above)	Ci			1.61E0	7.01E-2
xenon-133	Ci			-	-
xenon-135	Ci			-	-

TABLE 3

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT (1984)
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
JANUARY - JUNE 1984

A. SOLID WASTE SHIPPED OFF SITE FOR BURIAL OR DISPOSAL. (not irradiated fuel)

1. TYPE OF WASTE	UNIT	6 MONTH PERIOD	EST. TOTAL ERROR %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m ³ Cl	82.12 311.39830	N/A
b. Dry compressible waste, contaminated equipment, etc.	m ³ Cl	1241.55 29.16550	N/A
c. Irradiated components, control rods, etc.	m ³ Cl	N/A	N/A
d. Other (Describe) miscellaneous low-level waste	m ³ Cl	N/A	N/A

2. ESTIMATE OF MAJOR NUCLIDE COMPOSITION.
(by type of waste)

	%	E(Curies)
a. Spent Resin, Filter Sludges, Evaporator bottoms, etc.		
Co-60	44.505	138.58645
Co-58	2.716	8.4579
H-3	0.046	0.14254
Cs-137	32.869	102.35222
Cs-134	2.549	7.93936
C-14	0.026	0.08098
Fe-59	0.196	0.60939
I-131	0.004	0.01180
I-129	0.010	0.03110
La-140	0.064	0.20060
Nb-95	0.010	0.03181
Zr-95	0.007	0.02066
Sr-90	7.441	23.17074
Ni-63	1.403	4.37051
Tc-99m	0.010	0.03110
Mo-99	-	-
Zn-65	1.698	5.28686
Mn-54	3.874	12.06298
Cr-51	2.148	6.68872
Np-239	0.004	0.01180
Pu-241	0.372	1.15971
Ru-103	0.008	0.02609
Cm-242	0.017	0.05187
Sb-124	0.023	0.07307
TOTAL	100.000	311.39830

TABLE 3 (continued)

	%	E(Curies)	
b. Dry Compressible Waste Contaminated Equipment	Co-60	43.719	12.73023
	Co-58	7.620	2.21876
	Cs-137	7.882	2.29517
	Cs-134	0.499	0.14529
	Fe-59	1.315	0.38298
	I-131	0.021	0.00626
	Ba-140	0.506	0.14720
	Sr-90	0.167	0.04859
	Tc-99m	0.012	0.00357
	Zn-65	4.564	1.32893
	Mn-54	5.032	1.46510
	Nb-95	0.058	0.01692
	Zr-95	0.027	0.00788
	Cr-51	25.950	7.55626
	Ce-141	0.149	0.04338
	Ru-103	0.036	0.01061
	Ni-63	0.744	0.21663
	Pu-241	0.374	0.10874
	Cm-242	0.010	0.00286
	I-129	0.010	0.00296
*C-14	0.018	0.00532	
*H-3	1.068	0.35797	
Cs-136	.009	0.00275	
Sb-124	.128	0.03724	
Ag-110	.082	0.02390	
TOTAL	100.000	*29.16550	

c. N/A

d. N/A

3. SOLID WASTE DISPOSITION

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
52	Tractor - Trailer	Barnwell, S.C.

4. IRRADIATED FUEL SHIPMENTS (Disposition)

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
None	N/A	N/a

*C-14 and H-3 activities were not considered as part of the total percent for the first several shipments of 1984, but were listed separately on shipping documents. These separate totals have been added to the Curie column for this report.

TABLE 4A-1
DISTRIBUTION OF WIND DIRECTIONS AND SPEEDS FOR THE
33 FT. LEVEL OF THE 220 FT. TOWER

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS A-- DELTA T LESS THAN -1.9 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 5.76

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
(2)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CALM- 3.5	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3	6
(1)	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.1
(2)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
3.6- 7.5	9	3	0	0	0	0	0	0	0	0	6	6	9	3	12	18	66
(1)	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	7.7	2.6	10.3	15.4	56.4
(2)	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.1	0.6	0.9	3.2
7.6-12.5	3	6	0	0	0	0	0	0	0	3	0	3	15	6	3	3	42
(1)	2.6	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	12.8	5.1	2.6	2.6	35.9
(2)	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.7	0.3	0.1	0.1	2.1
12.6-18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	15	9	0	0	3	0	0	0	0	3	6	9	24	9	15	24	117
(1)	12.8	7.7	0.0	0.0	2.6	0.0	0.0	0.0	0.0	2.6	5.1	7.7	20.5	7.7	12.8	20.5	100.0
(2)	0.7	0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.4	1.2	0.4	0.7	1.2	5.8

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 117

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-1 (Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS B-- DELTA T -1.9 TO -1.7 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 1.92

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
(2)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3.6- 7.5	3	0	3	0	0	0	0	0	0	0	3	0	0	6	3	0	0	18
(1)	7.7	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	15.4	7.7	0.0	0.0	46.2
(2)	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.1	0.0	0.0	0.9
7.6-12.5	9	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	15
(1)	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	7.7	0.0	0.0	0.0	0.0	38.5
(2)	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.7
12.6-18.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7
(2)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	15	3	3	0	0	0	0	0	0	0	3	3	3	6	3	0	0	39
(1)	38.5	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	7.7	7.7	15.4	7.7	0.0	0.0	100.0
(2)	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.1	0.0	0.0	1.9

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE

(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 39

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-1 (Continued)

228 FT TOWER - 33 FT EL

33.8 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS C-- DELTA T -1.6 TO -1.5 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 2.95

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
3.6- 7.5	0	0	0	0	6	3	0	0	0	3	0	12	0	9	6	0	39
(1)	0.0	0.0	0.0	0.0	10.0	5.0	0.0	0.0	0.0	5.0	0.0	20.0	0.0	15.0	10.0	0.0	65.0
(2)	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.6	0.0	0.4	0.3	0.0	1.0
7.6-12.5	0	6	0	0	0	0	0	0	0	0	0	0	9	3	0	0	18
(1)	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	5.0	0.0	0.0	30.0
(2)	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.9
12.6-18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	0	6	0	0	6	3	0	0	0	3	0	12	9	15	6	0	60
(1)	0.0	10.0	0.0	0.0	10.0	5.0	0.0	0.0	0.0	5.0	0.0	20.0	15.0	25.0	10.0	0.0	100.0
(2)	0.0	0.3	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.6	0.4	0.7	0.3	0.0	3.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 60

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-1 (Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS D-- DELTA T -1.4 TO -0.5 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 29.69

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	3	6	6	12	6	0	3	6	12	12	12	6	9	6	0	0	99
(1)	0.5	1.0	1.0	2.0	1.0	0.0	0.5	1.0	2.0	2.0	2.0	1.0	1.5	1.0	0.0	0.0	16.4
(2)	0.1	0.3	0.3	0.6	0.3	0.0	0.1	0.3	0.6	0.6	0.6	0.3	0.4	0.3	0.0	0.0	4.9
3.6- 7.5	3	6	18	3	24	12	9	9	18	33	30	33	39	36	6	3	282
(1)	0.5	1.0	3.0	0.5	4.0	2.0	1.5	1.5	3.0	5.5	5.0	5.5	6.5	6.0	1.0	0.5	46.8
(2)	0.1	0.3	0.9	0.1	1.2	0.6	0.4	0.4	0.9	1.6	1.5	1.6	1.9	1.8	0.3	0.1	13.9
7.6-12.5	6	36	45	9	0	0	0	0	9	21	0	6	6	24	15	9	186
(1)	1.0	6.0	7.5	1.5	0.0	0.0	0.0	0.0	1.5	3.5	0.0	1.0	1.0	4.0	2.5	1.5	30.8
(2)	0.3	1.8	2.2	0.4	0.0	0.0	0.0	0.0	0.4	1.0	0.0	0.3	0.3	1.2	0.7	0.4	9.2
12.6-18.5	3	27	3	3	0	0	0	0	0	0	0	0	0	0	0	0	36
(1)	0.5	4.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
(2)	0.1	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	15	75	72	27	30	12	12	15	39	66	42	45	54	66	21	12	603
(1)	2.5	12.4	11.9	4.5	5.0	2.0	2.0	2.5	6.5	10.9	7.0	7.5	9.0	10.9	3.5	2.0	100.0
(2)	0.7	3.7	3.5	1.3	1.5	0.6	0.6	0.7	1.9	3.2	2.1	2.2	2.7	3.2	1.0	0.6	29.7

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE

(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 603

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-1 (Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS E--- DELTA T -0.4 TO +1.5 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 33.97

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	0	0	0	9	9	0	6	9	12	21	15	9	10	3	0	0	100
(1)	0.0	0.0	0.0	1.3	1.3	0.0	0.9	1.3	1.7	3.0	2.2	1.3	2.2	0.4	0.0	0.0	15.7
(2)	0.0	0.0	0.0	0.4	0.4	0.0	0.3	0.4	0.6	1.0	0.7	0.4	0.7	0.1	0.0	0.0	5.3
3.6- 7.5	0	3	15	3	6	3	24	18	18	21	66	144	78	51	9	18	477
(1)	0.0	0.4	2.2	0.4	0.9	0.4	3.5	2.6	2.6	3.0	9.6	20.9	11.3	7.4	1.3	2.6	69.1
(2)	0.0	0.1	0.7	0.1	0.3	0.1	1.2	0.9	0.9	1.0	3.2	7.1	3.8	2.5	0.4	0.9	23.5
7.6-12.5	12	0	0	0	0	0	0	3	6	0	0	15	15	9	27	15	102
(1)	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.0	0.0	2.2	2.2	1.3	3.9	2.2	14.8
(2)	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.7	0.7	0.4	1.3	0.7	5.0
12.6-18.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
(2)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	15	3	15	12	15	3	36	30	36	42	81	150	100	63	36	33	690
(1)	2.2	0.4	2.2	1.7	2.2	0.4	4.3	4.3	5.2	6.1	11.7	24.3	15.7	9.1	5.2	4.8	100.0
(2)	0.7	0.1	0.7	0.6	0.7	0.1	1.5	1.5	1.8	2.1	4.0	8.3	5.3	3.1	1.8	1.6	34.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 690

CALM=WIND SPEED LESS THAN 1.0MPH

TABLE 4A-1 (Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS F-- DELTA T 1.6 TO 4.0 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 18.61

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
CALM- 3.5	0	3	0	0	3	0	6	12	9	6	12	18	0	12	3	3	87
(1)	0.0	0.8	0.0	0.0	0.8	0.0	1.6	3.2	2.4	1.6	3.2	4.8	0.0	3.2	0.8	0.8	23.0
(2)	0.0	0.1	0.0	0.0	0.1	0.0	0.3	0.6	0.4	0.3	0.6	0.9	0.0	0.6	0.1	0.1	4.3
3.6- 7.5	0	0	18	0	0	0	9	18	39	3	30	63	39	27	6	0	252
(1)	0.0	0.0	4.8	0.0	0.0	0.0	2.4	4.8	10.3	0.8	7.9	16.7	10.3	7.1	1.6	0.0	66.7
(2)	0.0	0.0	0.9	0.0	0.0	0.0	0.4	0.9	1.9	0.1	1.5	3.1	1.9	1.3	0.3	0.0	12.4
7.6-12.5	3	0	0	0	0	0	0	6	12	0	0	0	0	0	3	12	36
(1)	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	0.0	0.0	0.0	0.0	0.0	0.8	3.2	9.5
(2)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.1	0.6	1.8
12.6-18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	3	3	18	0	3	0	15	36	60	9	42	81	39	42	12	15	378
(1)	0.8	0.8	4.8	0.0	0.9	0.0	4.0	9.5	15.9	2.4	11.1	21.4	10.3	11.1	3.2	4.0	100.0
(2)	0.1	0.1	0.9	0.0	0.1	0.0	0.7	1.8	3.0	0.4	2.1	4.0	1.9	2.1	0.6	0.7	18.6

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 378

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-1 (Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS G-- DELTA T GREATER THAN 4.0 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 7.09

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	0.0	0.0	0.0	0.0	
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	
3.6- 7.5	0	6	6	12	0	3	0	0	3	6	9	30	12	9	12	0	
(1)	0.0	4.2	4.2	8.3	0.0	2.1	0.0	0.0	2.1	4.2	6.2	20.8	8.3	6.2	8.3	0.0	
(2)	0.0	0.3	0.3	0.6	0.0	0.1	0.0	0.0	0.1	0.3	0.4	1.5	0.6	0.4	0.6	0.0	
7.6-12.5	3	0	0	0	0	0	0	3	3	6	0	0	0	0	6	9	
(1)	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2	0.0	0.0	0.0	0.0	4.2	6.2	
(2)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.0	0.0	0.0	0.0	0.3	0.4	
12.6-18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ALL SPEEDS	3	6	6	12	0	3	0	3	6	12	12	33	12	9	18	9	
(1)	2.1	4.2	4.2	8.3	0.0	2.1	0.0	2.1	4.2	8.3	8.3	22.9	8.3	6.2	12.5	6.2	
(2)	0.1	0.3	0.3	0.6	0.0	0.1	0.0	0.1	0.3	0.6	0.6	1.6	0.6	0.4	0.9	0.4	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE

(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 144

CALM=WIND SPEED LESS THAN 1.0MPH

TABLE 4A-1 (Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS ALL-- ALL STABILITIES COMBINED

CLASS FREQUENCY (PERCENT) = 100.00

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	6
(1)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
(2)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
CALM- 3.5	3	12	6	21	21	0	15	27	33	39	42	36	24	24	3	6	312
(1)	0.1	0.6	0.3	1.0	1.0	0.0	0.7	1.3	1.6	1.9	2.1	1.0	1.2	1.2	0.1	0.3	15.4
(2)	0.1	0.6	0.3	1.0	1.0	0.0	0.7	1.3	1.6	1.9	2.1	1.0	1.2	1.2	0.1	0.3	15.4
3.6- 7.5	15	18	60	18	36	21	42	45	78	66	144	208	177	141	54	39	1242
(1)	0.7	0.9	3.0	0.9	1.8	1.0	2.1	2.2	3.8	3.2	7.1	14.2	8.7	6.9	2.7	1.9	61.2
(2)	0.7	0.9	3.0	0.9	1.8	1.0	2.1	2.2	3.8	3.2	7.1	14.2	8.7	6.9	2.7	1.9	61.2
7.6-12.5	36	48	45	9	0	0	0	12	30	30	0	27	48	42	54	48	429
(1)	1.8	2.4	2.2	0.4	0.0	0.0	0.0	0.6	1.5	1.5	0.0	1.3	2.4	2.1	2.7	2.4	21.1
(2)	1.8	2.4	2.2	0.4	0.0	0.0	0.0	0.6	1.5	1.5	0.0	1.3	2.4	2.1	2.7	2.4	21.1
12.6-18.5	9	27	3	3	0	0	0	0	0	0	0	0	0	0	0	0	42
(1)	0.4	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
(2)	0.4	1.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	66	105	114	51	57	21	57	84	141	135	106	351	249	210	111	93	2031
(1)	3.2	5.2	5.6	2.5	2.8	1.0	2.8	4.1	6.9	6.6	9.2	17.3	12.3	10.3	5.5	4.6	100.0
(2)	3.2	5.2	5.6	2.5	2.8	1.0	2.8	4.1	6.9	6.6	9.2	17.3	12.3	10.3	5.5	4.6	100.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE=2031
 NUMBER OF HOURS IN THIS PERIOD= 2160

94.0 PERCENT DATA RECOVERY

CALM=WIND SPEED LESS THAN 1.0MPH

TABLE 4A-1 Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS A-- DELTA T LESS THAN -1.9 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 21.04

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	3	3	0	6	6	3	0	0	0	0	0	0	0	0	0	0	0	21
(1)	0.9	0.9	0.0	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
(2)	0.2	0.2	0.0	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
3.6- 7.5	36	42	21	21	0	9	0	3	3	15	9	6	3	0	0	0	21	189
(1)	10.6	12.4	6.2	6.2	0.0	2.7	0.0	0.9	0.9	4.4	2.7	1.8	0.9	0.0	0.0	0.0	6.2	55.8
(2)	2.2	2.6	1.3	1.3	0.0	0.6	0.0	0.2	0.2	0.9	0.6	0.4	0.2	0.0	0.0	0.0	1.3	11.7
7.6-12.5	24	42	3	0	3	0	0	0	6	36	9	3	0	0	0	0	3	129
(1)	7.1	12.4	0.9	0.0	0.9	0.0	0.0	0.0	1.8	10.6	2.7	0.9	0.0	0.0	0.0	0.0	0.9	38.1
(2)	1.5	2.6	0.2	0.0	0.2	0.0	0.0	0.0	0.4	2.2	0.6	0.2	0.0	0.0	0.0	0.0	0.2	8.0
12.6-18.5	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	63	87	24	27	9	12	0	3	9	51	18	9	3	0	0	24	339	
(1)	10.6	25.7	7.1	8.0	2.7	3.5	0.0	0.9	2.7	15.0	5.3	2.7	0.9	0.0	0.0	7.1	100.0	
(2)	3.9	5.4	1.5	1.7	0.6	0.7	0.0	0.2	0.6	3.2	1.1	0.6	0.2	0.0	0.0	1.5	21.0	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 339

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-1 (Continued)

33.8 FT WIND DATA
 228 FT TOWER - 33 FT EL
 4/1/84 - 6/30/84
 STABILITY CLASS B-- DELTA T -1.9 TO -1.7 DEG C PER 100 METERS CLASS FREQUENCY (PERCENT) = 1.86

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
3.6- 7.5	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
7.6-12.5	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
12.6-18.5	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	9	0	6	6	3	3	0	0	0	0	0	0	0	0	0	0	0
(1)	30.0	0.0	20.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.6	0.0	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 30

CALM=WIND SPEED LESS THAN 1.0MPH

TABLE 4A-1 (Continued)

33.8 FT WIND DATA
 228 FT TOWER - 33 FT EL
 4/1/84 - 6/30/84
 STABILITY CLASS C-- DELTA T -1.6 TO -1.5 DEG C PER 100 METERS
 CLASS FREQUENCY (PERCENT) = 2.98

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	6	6
(1)	0.0	0.0	0.0	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	12.5
(2)	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
3.6- 7.5	5	3	0	6	3	3	6	0	0	0	0	0	0	0	0	6	36
(1)	12.5	6.2	0.0	12.5	6.2	6.2	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	75.0
(2)	0.4	0.2	0.0	0.4	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.2
7.6-12.5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
(1)	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.6-18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	9	6	0	9	6	3	6	0	0	0	0	0	0	0	0	6	48
(1)	16.7	12.5	0.0	18.7	12.5	6.2	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	100.0
(2)	0.6	0.4	0.0	0.6	0.4	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 48

CALM=WIND SPEED LESS THAN 1.0MPH

TABLE 4A-1 (Continued)

33.8 FT WIND DATA
 228 FT TOWER - 33 FT EL
 4/1/84 - 6/30/84
 STABILITY CLASS D--- DELTA T -1.4 TO -0.5 DEG C PER 100 METERS CLASS FREQUENCY (PERCENT) = 16.76

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL					
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW						
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	1.1
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2
CALM- 3.5	0	0	0	6	9	3	0	0	0	0	3	0	0	0	0	0	0	3	0	0	3	6
(1)	0.0	0.0	0.0	2.2	3.3	1.1	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	1.1	2.2
(2)	0.0	0.0	0.0	0.4	0.6	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.4
3.6- 7.5	12	6	0	9	24	9	12	3	0	0	9	6	6	5	9	9	0	6	0	0	6	9
(1)	4.4	2.2	0.0	3.3	8.9	3.3	4.4	1.1	0.0	0.0	3.3	2.2	2.2	2.2	3.3	3.3	0.0	2.2	0.0	0.0	2.2	3.3
(2)	0.7	0.4	0.0	0.6	1.5	0.6	0.7	0.2	0.0	0.0	0.6	0.4	0.4	0.4	0.6	0.6	0.0	0.4	0.0	0.0	0.4	0.6
7.6-12.5	27	45	0	0	0	0	0	0	0	0	21	3	0	0	3	0	0	3	0	0	3	0
(1)	10.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	1.1	0.0	0.0	1.1	0.0	0.0	1.1	0.0	0.0	1.1	0.0
(2)	1.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0
12.6-18.5	0	12	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	39	63	3	15	33	12	12	3	0	33	12	0	9	6	15	15	0	15	0	0	15	27
(1)	14.4	23.3	1.1	5.6	12.2	4.4	4.4	1.1	0.0	12.2	4.4	0.0	3.3	2.2	5.6	5.6	0.0	3.3	0.0	0.0	3.3	10.0
(2)	2.4	3.9	0.2	0.9	2.0	0.7	0.7	0.2	0.0	2.0	0.7	0.0	0.6	0.4	0.9	0.9	0.0	0.6	0.0	0.0	0.6	1.6

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 278

CALM-WIND SPEED LESS THAN 1.0MPH

TABLE 4A-1 (Continued)

33.8 FT WIND DATA
 228 FT TOWER - 33 FT EL
 4/1/84 - 6/30/84
 STABILITY CLASS E-- DELTA T -0.4 TO +1.5 DEG C PER 100 METERS CLASS FREQUENCY (PERCENT) = 27.88

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
CALM- 3.5	6	3	6	12	9	9	0	0	0	0	0	0	0	0	0	0	0	111
(1)	1.4	0.7	0.8	1.4	2.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.5
(2)	0.4	0.2	0.8	0.4	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
3.6- 7.5	21	12	33	9	3	3	3	3	3	3	18	0	3	12	24	18	0	249
(1)	4.8	2.8	6.9	7.6	2.1	0.7	0.7	0.7	0.7	0.7	4.1	0.0	0.7	2.8	5.5	4.1	0.0	57.2
(2)	1.3	0.7	1.9	2.0	0.6	0.2	0.2	0.2	0.2	0.2	1.1	0.0	0.2	0.7	1.5	1.1	0.0	15.5
7.6-12.5	15	15	3	3	0	0	0	0	0	0	6	0	0	0	3	0	0	51
(1)	3.4	3.4	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.7	0.0	0.0	11.7
(2)	0.9	0.9	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.2	0.0	0.0	3.2
12.6-18.5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
(2)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	42	33	42	24	12	9	6	3	3	66	39	6	12	38	45	33	435	
(1)	9.7	7.6	7.6	9.7	5.5	2.8	2.1	1.4	0.7	15.2	9.8	1.4	2.8	6.9	10.3	7.6	188.0	
(2)	2.6	2.0	2.0	2.6	1.5	0.7	0.6	0.4	0.2	4.1	2.4	0.4	0.7	1.9	2.8	2.0	27.0	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FORTHIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 435

CALM=WIND SPEED LESS THAN 1.0MPH

TABLE 4A-1 (Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS F-- DELTA T 1.6 TO 4.0 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 19.37

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	3	0	3	3	6	0	0	0	0	0	15
(1)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	1.9	0.0	0.0	0.0	0.0	0.0	4.8
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.9
CALM- 3.5	0	0	0	3	0	3	0	0	0	6	9	24	27	18	6	3	99
(1)	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	1.9	2.9	7.7	8.7	5.8	1.9	1.0	31.7
(2)	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.4	0.6	1.5	1.7	1.1	0.4	0.2	6.1
3.6- 7.5	18	3	12	12	12	0	0	0	18	9	24	9	3	0	12	9	141
(1)	5.8	1.0	3.8	3.8	3.8	0.0	0.0	0.0	5.8	2.9	7.7	2.9	1.0	0.0	3.8	2.9	45.2
(2)	1.1	0.2	0.7	0.7	0.7	0.0	0.0	0.0	1.1	0.6	1.5	0.6	0.2	0.0	0.7	0.6	8.8
7.6-12.5	12	0	3	6	0	0	27	0	0	0	9	0	0	0	0	0	57
(1)	3.8	0.0	1.0	1.9	0.0	0.0	8.7	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	18.3
(2)	0.7	0.0	0.2	0.4	0.0	0.0	1.7	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	3.5
12.6-18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	30	3	15	21	12	3	30	0	21	18	48	33	30	18	18	12	312
(1)	9.6	1.0	4.8	6.7	3.8	1.0	9.6	0.0	6.7	5.8	15.4	10.6	9.6	5.8	5.8	3.8	100.0
(2)	1.9	0.2	0.9	1.3	0.7	0.2	1.9	0.0	1.3	1.1	3.0	2.0	1.9	1.1	1.1	0.7	19.4

(1)=PERCENT OF ALL GOOD OBSERVATIONS FORTHIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 312

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-1 (Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS G-- DELTA T GREATER THAN 4.0 DEG C PER 100 METERS:

CLASS FREQUENCY (PERCENT) = 10.99

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	3	0	0	0	0	6	0	0	0	0	3	0	6	3	3	6	30
(1)	1.7	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	1.7	0.0	3.4	1.7	1.7	3.4	16.9
(2)	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.2	0.2	0.4	1.9
3.6- 7.5	6	15	0	0	0	0	3	0	0	18	12	3	0	0	3	24	84
(1)	3.4	8.5	0.0	0.0	0.0	0.0	1.7	0.0	0.0	10.2	6.8	1.7	0.0	0.0	1.7	13.6	47.5
(2)	0.4	0.9	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.1	0.7	0.2	0.0	0.0	0.2	1.5	5.2
7.6-12.5	0	0	0	0	0	0	15	12	3	12	12	0	0	0	0	0	54
(1)	0.0	0.0	0.0	0.0	0.0	0.0	8.5	6.8	1.7	6.8	6.8	0.0	0.0	0.0	0.0	0.0	30.5
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.7	0.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0	3.4
12.6-18.5	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
(1)	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	9	15	0	0	0	6	27	12	3	30	27	3	6	3	6	30	177
(1)	5.1	8.5	0.0	0.0	0.0	3.4	15.3	6.8	1.7	16.9	15.3	1.7	3.4	1.7	3.4	16.9	100.0
(2)	0.6	0.9	0.0	0.0	0.0	0.4	1.7	0.7	0.2	1.9	1.7	0.2	0.4	0.2	0.4	1.9	11.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 177

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-1 (Continued)

220 FT TOWER - 33 FT EL

33.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS ALL-- ALL STABILITIES COMBINED

CLASS FREQUENCY (PERCENT) = 100.00

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	3	3	3	3	15	3	3	3	0	0	36
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.9	0.2	0.2	0.2	0.0	0.0	2.2
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.9	0.2	0.2	0.2	0.0	0.0	2.2
CALM- 3.5	12	6	0	27	33	24	0	0	0	18	21	27	42	36	30	30	306
(1)	0.7	0.4	0.0	1.7	2.0	1.5	0.0	0.0	0.0	1.1	1.3	1.7	2.6	2.2	1.9	1.9	19.0
(2)	0.7	0.4	0.0	1.7	2.0	1.5	0.0	0.0	0.0	1.1	1.3	1.7	2.6	2.2	1.9	1.9	19.0
3.6- 7.5	99	81	66	84	48	27	30	9	24	105	69	18	15	13	48	87	828
(1)	6.1	5.0	4.1	5.2	3.0	1.7	1.9	0.6	1.5	6.5	4.3	1.1	0.9	1.1	3.0	5.4	51.4
(2)	6.1	5.0	4.1	5.2	3.0	1.7	1.9	0.6	1.5	6.5	4.3	1.1	0.9	1.1	3.0	5.4	51.4
7.6-12.5	90	105	6	9	6	0	42	12	12	75	39	3	0	0	6	3	408
(1)	5.6	6.5	0.4	0.6	0.4	0.0	2.6	0.7	0.7	4.7	2.4	0.2	0.0	0.0	0.4	0.2	25.3
(2)	5.6	6.5	0.4	0.6	0.4	0.0	2.6	0.7	0.7	4.7	2.4	0.2	0.0	0.0	0.4	0.2	25.3
12.6-18.5	0	15	9	0	0	0	9	0	0	0	0	0	0	0	0	0	33
(1)	0.0	0.9	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
(2)	0.0	0.9	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	201	207	81	120	87	51	84	24	39	201	144	51	60	57	84	120	1611
(1)	12.5	12.8	5.0	7.4	5.4	3.2	5.2	1.5	2.4	12.5	8.9	3.2	3.7	3.5	5.2	7.4	100.0
(2)	12.5	12.8	5.0	7.4	5.4	3.2	5.2	1.5	2.4	12.5	8.9	3.2	3.7	3.5	5.2	7.4	100.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE=1611
 NUMBER OF HOURS IN THIS PERIOD= 2184

73.8 PERCENT DATA RECOVERY

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2
 DISTRIBUTION OF WIND DIRECTIONS
 AND SPEEDS FOR THE 220 FT. LEVEL OF THE
 220 FT. TOWER
 220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS A-- DELTA T LESS THAN -1.9 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 5.76

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
(2)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3.6- 7.5	6	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	12
(1)	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	0.0	10.3
(2)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.6
7.6-12.5	3	0	0	0	0	0	0	0	0	0	9	0	3	6	0	3	24
(1)	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	2.6	5.1	0.0	2.6	20.5
(2)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.3	0.0	0.1	1.2
12.6-18.5	12	0	0	0	0	0	0	0	0	0	3	3	15	6	6	3	48
(1)	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	12.8	5.1	5.1	2.6	41.0
(2)	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.7	0.3	0.3	0.1	2.4
18.6-24.0	9	3	0	0	0	0	0	0	0	3	0	0	9	3	0	3	30
(1)	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	7.7	2.6	0.0	2.6	25.6
(2)	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.1	0.0	0.1	1.5
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	30	3	0	3	0	0	0	0	0	3	12	3	30	15	9	9	117
(1)	25.6	2.6	0.0	2.6	0.0	0.0	0.0	0.0	0.0	2.6	10.3	2.6	25.6	12.8	7.7	7.7	100.0
(2)	1.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.1	1.5	0.7	0.4	0.4	5.8

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 117

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS B-- DELTA T -1.9 TO -1.7 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 1.92

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.6- 7.5	0	6	0	0	0	0	0	0	0	0	0	0	0	3	0	0	9
(1)	0.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	23.1
(2)	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4
7.6-12.5	0	3	0	0	0	0	0	0	0	3	0	0	3	3	0	0	12
(1)	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	7.7	7.7	0.0	0.0	30.8
(2)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.6
12.6-18.5	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	6
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	7.7	0.0	0.0	0.0	15.4
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.3
18.6-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	15.4
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	0.0	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4
(2)	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
ALL SPEEDS	0	15	0	0	0	0	0	0	0	3	3	0	6	6	0	6	39
(1)	0.0	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	7.7	0.0	15.4	15.4	0.0	15.4	100.0
(2)	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.3	0.3	0.0	0.3	1.9

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 39

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS C-- DELTA T -1.6 TO -1.5 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 2.95

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.6- 7.5	0	0	0	0	3	0	0	0	0	0	0	0	0	3	0	0	6
(1)	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	10.0
(2)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3
7.6-12.5	3	0	0	0	6	0	0	0	0	0	3	6	0	6	0	0	24
(1)	5.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	0.0	10.0	0.0	0.0	40.0
(2)	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.3	0.0	0.0	1.2
12.6-18.5	0	0	0	0	0	0	0	0	3	0	0	0	6	3	0	3	15
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	10.0	5.0	0.0	5.0	25.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.0	0.1	0.7
18.6-24.0	0	6	0	0	0	0	0	0	0	0	0	0	9	0	0	0	15
(1)	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	25.0
(2)	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.7
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	3	6	0	0	9	0	0	0	3	0	3	6	15	12	0	3	60
(1)	5.0	10.0	0.0	0.0	15.0	0.0	0.0	0.0	5.0	0.0	5.0	10.0	25.0	20.0	0.0	5.0	100.0
(2)	0.1	0.3	0.0	0.0	0.4	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.7	0.6	0.0	0.1	3.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 60

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS D-- DELTA T -1.4 TO -0.5 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 29.69

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	15
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7
CALM- 3.5	0	3	6	12	0	3	0	0	0	3	0	0	3	0	0	0	30
(1)	0.0	0.5	1.0	2.0	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.0	5.0
(2)	0.0	0.1	0.3	0.6	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	1.5
3.6- 7.5	0	0	12	0	0	3	0	0	3	9	12	3	5	9	0	0	57
(1)	0.0	0.0	2.0	0.0	0.0	0.5	0.0	0.0	0.5	1.5	2.0	0.5	1.0	1.5	0.0	0.0	9.5
(2)	0.0	0.0	0.6	0.0	0.0	0.1	0.0	0.0	0.1	0.4	0.6	0.1	0.3	0.4	0.0	0.0	2.8
7.6-12.5	6	9	15	9	6	0	6	12	9	15	39	12	12	12	6	3	171
(1)	1.0	1.5	2.5	1.5	1.0	0.0	1.0	2.0	1.5	2.5	6.5	2.0	2.0	2.0	1.0	0.5	28.4
(2)	0.3	0.4	0.7	0.4	0.3	0.0	0.3	0.6	0.4	0.7	1.9	0.6	0.6	0.6	0.3	0.1	8.4
12.6-18.5	3	3	24	21	9	0	0	3	6	12	33	15	30	21	6	9	195
(1)	0.5	0.5	4.0	3.5	1.5	0.0	0.0	0.5	1.0	2.0	5.5	2.5	5.0	3.5	1.0	1.5	32.3
(2)	0.1	0.1	1.2	1.0	0.4	0.0	0.0	0.1	0.3	0.6	1.6	0.7	1.5	1.0	0.3	0.4	9.6
18.6-24.0	0	21	30	0	0	0	0	0	3	3	6	3	12	9	3	3	93
(1)	0.0	3.5	5.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	0.5	2.0	1.5	0.5	0.5	15.4
(2)	0.0	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.1	0.6	0.4	0.1	0.1	4.6
OVER-24.0	0	24	3	3	0	0	0	0	0	0	3	0	0	0	3	6	42
(1)	0.0	4.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	1.0	7.0
(2)	0.0	1.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	2.1
ALL SPEEDS	9	60	90	45	15	6	6	15	21	42	93	33	63	51	33	21	603
(1)	1.5	10.0	14.9	7.5	2.5	1.0	1.0	5	3.5	7.0	15.4	5.5	10.4	8.5	5.5	3.5	100.0
(2)	0.4	3.0	4.4	2.2	0.7	0.3	0.3	1.0	1.0	2.1	4.6	1.6	3.1	2.5	1.6	1.0	29.7

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 603

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS E-- DELTA T -0.4 TO +1.5 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 33.97

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	9	0	3	0	0	0	0	0	0	0	0	0	3	0	12	3	30
(1)	1.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.7	0.4	4.3
(2)	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.6	0.1	1.5
CALM- 3.5	0	0	0	0	3	3	0	0	0	0	0	3	0	0	0	0	9
(1)	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	1.3
(2)	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4
3.6- 7.5	3	0	3	9	3	0	6	3	9	6	3	9	3	0	3	0	60
(1)	0.4	0.0	0.4	1.3	0.4	0.0	0.9	0.4	1.3	0.9	0.4	1.3	0.4	0.0	0.4	0.0	8.7
(2)	0.1	0.0	0.1	0.4	0.1	0.0	0.3	0.1	0.4	0.3	0.1	0.4	0.1	0.0	0.1	0.0	3.0
7.6-12.5	18	3	0	6	0	0	9	12	12	21	39	21	21	33	15	3	213
(1)	2.6	0.4	0.0	0.9	0.0	0.0	1.3	1.7	1.7	3.0	5.7	3.0	3.0	4.8	2.2	0.4	30.9
(2)	0.9	0.1	0.0	0.3	0.0	0.0	0.4	0.6	0.6	1.0	1.9	1.0	1.0	1.6	0.7	0.1	10.5
12.6-18.5	15	3	0	0	3	0	3	18	3	12	27	42	99	69	6	3	303
(1)	2.2	0.4	0.0	0.0	0.4	0.0	0.4	2.6	0.4	1.7	3.9	6.1	14.3	10.0	0.9	0.4	43.9
(2)	0.7	0.1	0.0	0.0	0.1	0.0	0.1	0.9	0.1	0.6	1.3	2.1	4.9	3.4	0.3	0.1	14.9
18.6-24.0	9	0	0	0	0	0	3	6	3	0	0	0	24	6	6	9	66
(1)	1.3	0.0	0.0	0.0	0.0	0.0	0.4	0.9	0.4	0.0	0.0	0.0	3.5	0.9	0.9	1.3	9.6
(2)	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.0	0.0	0.0	1.2	0.3	0.3	0.4	3.2
OVER-24.0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	6	9
(1)	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.3
(2)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4
ALL SPEEDS	54	9	6	15	9	3	21	39	27	39	69	75	150	100	42	24	690
(1)	7.8	1.3	0.9	2.2	1.3	0.4	3.0	5.7	3.9	5.7	10.0	10.9	21.7	15.7	6.1	3.5	100.0
(2)	2.7	0.4	0.3	0.7	0.4	0.1	1.0	1.9	1.3	1.9	3.4	3.7	7.4	5.3	2.1	1.2	34.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 690

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS F-- DELTA T 1.6 TO 4.0 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 18.61

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
-CALM	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
(2)	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
CALM- 3.5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6
(1)	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6
(2)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
3.6- 7.5	6	0	0	0	0	3	0	6	6	6	3	3	9	3	6	3	54	
(1)	1.6	0.0	0.0	0.0	0.0	0.8	0.0	1.6	1.6	1.6	0.8	0.8	2.4	0.8	1.6	0.8	14.3	
(2)	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.3	0.3	0.1	0.1	0.4	0.1	0.3	0.1	2.7	
7.6-12.5	27	3	0	0	3	12	0	0	9	0	18	12	15	30	9	3	141	
(1)	7.1	0.8	0.0	0.0	0.8	3.2	0.0	0.0	2.4	0.0	4.8	3.2	4.0	7.9	2.4	0.8	37.3	
(2)	1.3	0.1	0.0	0.0	0.1	0.6	0.0	0.0	0.4	0.0	0.9	0.6	0.7	1.5	0.4	0.1	6.9	
12.6-18.5	12	0	0	0	0	18	12	12	21	3	21	18	6	6	3	3	135	
(1)	3.2	0.0	0.0	0.0	0.0	4.8	3.2	3.2	5.6	0.8	5.6	4.8	1.6	1.6	0.8	0.8	35.7	
(2)	0.6	0.0	0.0	0.0	0.0	0.9	0.6	0.6	1.0	0.1	1.0	0.9	0.3	0.3	0.1	0.1	6.6	
18.6-24.0	6	3	0	0	0	0	3	9	3	0	0	0	0	6	0	0	30	
(1)	1.6	0.8	0.0	0.0	0.0	0.0	0.8	2.4	0.8	0.0	0.0	0.0	0.0	1.6	0.0	0.0	7.9	
(2)	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	1.5	
OVER-24.0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	6	
(1)	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	
(2)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	
ALL SPEEDS	57	12	0	0	3	33	15	30	39	9	42	33	30	45	18	12	378	
(1)	15.1	3.2	0.0	0.0	0.8	8.7	4.0	7.9	10.3	2.4	11.1	8.7	7.9	11.9	4.8	3.2	100.0	
(2)	2.8	0.6	0.0	0.0	0.1	1.6	0.7	1.5	1.9	0.4	2.1	1.6	1.5	2.2	0.9	0.6	18.6	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 378

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS G-- DELTA T GREATER THAN 4.0 DEG C PER 100 METERS:

CLASS FREQUENCY (PERCENT) = 7.09

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION															TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW		NNW
-CALM	3	3	0	0	0	0	0	0	0	0	0	0	3	0	0	3	12
(1)	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	2.1	8.3
(2)	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.6
CALM- 3.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.6- 7.5	6	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	9
(1)	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	6.2
(2)	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4
7.6-12.5	24	0	0	0	0	0	3	0	3	0	0	6	18	9	3	0	66
(1)	16.7	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	0.0	0.0	4.2	12.5	6.2	2.1	0.0	45.8
(2)	1.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.3	0.9	0.4	0.1	0.0	3.2
12.6-18.5	15	0	0	0	0	0	0	0	6	6	6	3	0	3	0	0	39
(1)	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	4.2	2.1	0.0	2.1	0.0	0.0	27.1
(2)	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.0	0.1	0.0	0.0	1.9
18.6-24.0	9	0	0	0	3	3	0	0	3	0	0	0	0	0	0	0	18
(1)	6.2	0.0	0.0	0.0	2.1	2.1	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
(2)	0.4	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
OVER-24.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ALL SPEEDS	57	3	0	0	3	3	3	0	12	9	6	9	21	12	3	3	144
(1)	39.6	2.1	0.0	0.0	2.1	2.1	2.1	0.0	8.3	6.2	4.2	6.2	14.6	8.3	2.1	2.1	100.0
(2)	2.8	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.6	0.4	0.3	0.4	1.0	0.6	0.1	0.1	7.1

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 144

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

1/1/84 - 3/31/84

STABILITY CLASS ALL-- ALL STABILITIES COMBINED

CLASS FREQUENCY (PERCENT) = 100.00

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	15	6	3	0	0	0	0	0	0	0	0	0	6	0	27	6	63
(1)	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.3	0.3	3.1
(2)	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.3	0.3	3.1
CALM- 3.5	0	6	6	15	3	6	0	0	0	3	0	3	3	0	0	3	48
(1)	0.0	0.3	0.3	0.7	0.1	0.3	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	2.4
(2)	0.0	0.3	0.3	0.7	0.1	0.3	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	2.4
3.6- 7.5	21	6	15	9	6	6	6	9	18	24	18	15	21	18	12	3	207
(1)	1.0	0.3	0.7	0.4	0.3	0.3	0.3	0.4	0.9	1.2	0.9	0.7	1.0	0.9	0.6	0.1	10.2
(2)	1.0	0.3	0.7	0.4	0.3	0.3	0.3	0.4	0.9	1.2	0.9	0.7	1.0	0.9	0.6	0.1	10.2
7.6-12.5	81	18	15	15	15	12	18	24	33	39	108	57	72	99	33	12	651
(1)	4.0	0.9	0.7	0.7	0.7	0.6	0.9	1.2	1.6	1.9	5.3	2.8	3.5	4.9	1.6	0.6	32.1
(2)	4.0	0.9	0.7	0.7	0.7	0.6	0.9	1.2	1.6	1.9	5.3	2.8	3.5	4.9	1.6	0.6	32.1
12.6-18.5	57	6	24	21	12	18	15	33	39	33	93	81	159	108	21	21	741
(1)	2.8	0.3	1.2	1.0	0.6	0.9	0.7	1.6	1.9	1.6	4.6	4.0	7.8	5.3	1.0	1.0	36.5
(2)	2.8	0.3	1.2	1.0	0.6	0.9	0.7	1.6	1.9	1.6	4.6	4.0	7.8	5.3	1.0	1.0	36.5
18.6-24.0	33	33	30	0	3	3	6	15	12	6	6	3	54	24	9	21	258
(1)	1.6	1.6	1.5	0.0	0.1	0.1	0.3	0.7	0.6	0.3	0.3	0.1	2.7	1.2	0.4	1.0	12.7
(2)	1.6	1.6	1.5	0.0	0.1	0.1	0.3	0.7	0.6	0.3	0.3	0.1	2.7	1.2	0.4	1.0	12.7
OVER-24.0	3	33	3	3	0	0	0	3	0	0	3	0	0	0	3	12	63
(1)	0.1	1.6	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.6	3.1
(2)	0.1	1.6	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.6	3.1
ALL SPEEDS	210	108	96	63	39	45	45	84	102	105	220	159	315	249	105	78	2031
(1)	10.3	5.3	4.7	3.1	1.9	2.2	2.2	4.1	5.0	5.2	11.2	7.8	15.5	12.3	5.2	3.8	100.0
(2)	10.3	5.3	4.7	3.1	1.9	2.2	2.2	4.1	5.0	5.2	11.2	7.8	15.5	12.3	5.2	3.8	100.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE=2031
 NUMBER OF HOURS IN THIS PERIOD= 2160

94.0 PERCENT DATA RECOVERY

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS A-- DELTA T LESS THAN -1.9 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 21.04

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	0.9	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
(2)	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
3.6- 7.5	15	3	9	3	3	0	0	0	0	3	0	0	0	0	0	0	0	36
(1)	4.4	0.9	2.7	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6
(2)	0.9	0.2	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
7.6-12.5	57	6	0	3	3	0	6	3	3	12	0	0	0	0	0	0	3	96
(1)	16.8	1.8	0.0	0.9	0.9	0.0	1.8	0.9	0.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.9	28.3
(2)	3.5	0.4	0.0	0.2	0.2	0.0	0.4	0.2	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2	6.0
12.6-18.5	42	12	0	0	0	0	0	0	33	12	6	3	0	0	0	0	15	123
(1)	12.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0	9.7	3.5	1.8	0.9	0.0	0.0	0.0	0.0	4.4	36.3
(2)	2.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.9	7.6
18.6-24.0	24	18	0	0	0	0	0	0	6	9	0	0	0	0	0	3	6	66
(1)	7.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.7	0.0	0.0	0.0	0.0	0.0	0.9	1.8	19.5
(2)	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.4	4.1
OVER-24.0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
(1)	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
(2)	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
ALL SPEEDS	153	39	12	6	6	0	6	3	42	36	6	3	0	0	3	24	339	
(1)	45.1	11.5	3.5	1.8	1.8	0.0	1.8	0.9	12.4	10.6	1.8	0.9	0.0	0.0	0.9	7.1	100.0	
(2)	9.5	2.4	0.7	0.4	0.4	0.0	0.4	0.2	2.6	2.2	0.4	0.2	0.0	0.0	0.2	1.5	21.0	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 339

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS B-- DELTA T -1.9 TO -1.7 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 1.86

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
(2)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
3.6- 7.5	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
(2)	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
7.6-12.5	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
(1)	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
12.6-18.5	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	6
(1)	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
(2)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
18.6-24.0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6
(1)	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	20.0
(2)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
OVER-24.0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
(2)	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
ALL SPEEDS	12	6	3	0	0	0	3	0	3	0	0	0	0	0	0	0	3	30
(1)	40.0	20.0	10.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	100.0
(2)	0.7	0.4	0.2	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.9

(1)=PERCENT OF ALL GOOD OBSERVATIONS FORTHIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 30

CALM=WIND SPEED LESS THAN 1.00MPH

TBALE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS C-- DELTA T -1.6 TO -1.5 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 2.98

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
(2)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
3.6- 7.5	3	0	3	0	0	3	3	0	0	0	0	0	0	0	0	0	12
(1)	6.2	0.0	6.2	0.0	0.0	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
(2)	0.2	0.0	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
7.6-12.5	3	0	0	0	3	0	3	0	0	0	0	0	0	0	0	3	12
(1)	6.2	0.0	0.0	0.0	6.2	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	25.0
(2)	0.2	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7
12.6-18.5	6	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	9
(1)	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7
(2)	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
18.6-24.0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	6
(1)	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	12.5
(2)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.4
OVER-24.0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
(2)	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
ALL SPEEDS	24	0	3	0	3	3	6	0	3	0	0	0	0	3	0	3	48
(1)	50.0	0.0	6.2	0.0	6.2	6.2	12.5	0.0	6.2	0.0	0.0	0.0	0.0	6.2	0.0	6.2	100.0
(2)	1.5	0.0	0.2	0.0	0.2	0.2	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.2	3.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 48

CALM=WIND SPEED LESS THAN 1.00MPH

TBALE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS D-- DELTA T -1.4 TO -0.5 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 16.76

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
(1)	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
(2)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
3.6- 7.5	18	0	0	3	3	3	0	0	0	3	6	0	0	3	0	0	39
(1)	6.7	0.0	0.0	1.1	1.1	1.1	0.0	0.0	0.0	1.1	2.2	0.0	0.0	1.1	0.0	0.0	14.4
(2)	1.1	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.2	0.0	0.0	2.4
7.6-12.5	15	0	0	6	3	3	9	0	6	3	0	0	0	0	6	3	54
(1)	5.6	0.0	0.0	2.2	1.1	1.1	3.3	0.0	2.2	1.1	0.0	0.0	0.0	0.0	2.2	1.1	20.0
(2)	0.9	0.0	0.0	0.4	0.2	0.2	0.6	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.4	0.2	3.4
12.6-18.5	21	0	0	0	0	6	6	0	6	0	0	0	9	9	0	0	57
(1)	7.8	0.0	0.0	0.0	0.0	2.2	2.2	0.0	2.2	0.0	0.0	0.0	3.3	3.3	0.0	0.0	21.1
(2)	1.3	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.4	0.0	0.0	0.0	0.6	0.6	0.0	0.0	3.5
18.6-24.0	24	12	0	0	0	0	0	0	0	21	0	0	0	3	3	15	78
(1)	8.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	1.1	1.1	5.6	28.9
(2)	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.2	0.2	0.9	4.8
OVER-24.0	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	3	39
(1)	6.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	14.4
(2)	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.4
ALL SPEEDS	99	30	0	9	6	12	15	0	12	27	6	0	9	15	9	21	270
(1)	36.7	11.1	0.0	3.3	2.2	4.4	5.6	0.0	4.4	10.0	2.2	0.0	3.3	5.6	3.3	7.8	100.0
(2)	6.1	1.9	0.0	0.6	0.4	0.7	0.9	0.0	0.7	1.7	0.4	0.0	0.6	0.9	0.6	1.3	16.8

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE = 270

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS E-- DELTA T -0.4 TO +1.5 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 27.00

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW		
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	3	3	0	3	0	0	3	3	0	0	3	3	0	3	0	0	24	
(1)	0.7	0.7	0.0	0.7	0.0	0.0	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.7	0.0	0.0	5.5	
(2)	0.2	0.2	0.0	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.2	0.0	0.2	0.0	0.0	1.5	
3.6- 7.5	48	0	6	9	3	3	0	0	9	15	0	0	0	0	0	0	93	
(1)	11.0	0.0	1.4	2.1	0.7	0.7	0.0	0.0	2.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	21.4	
(2)	3.0	0.0	0.4	0.6	0.2	0.2	0.0	0.0	0.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	5.8	
7.6-12.5	57	15	12	0	0	3	0	0	9	6	0	0	0	0	3	3	108	
(1)	13.1	3.4	2.8	0.0	0.0	0.7	0.0	0.0	2.1	1.4	0.0	0.0	0.0	0.0	0.7	0.7	24.8	
(2)	3.5	0.9	0.7	0.0	0.0	0.2	0.0	0.0	0.6	0.4	0.0	0.0	0.0	0.0	0.2	0.2	6.7	
12.6-18.5	18	0	0	0	0	6	3	0	24	24	0	0	9	12	3	12	111	
(1)	4.1	0.0	0.0	0.0	0.0	1.4	0.7	0.0	5.5	5.5	0.0	0.0	2.1	2.8	0.7	2.8	25.5	
(2)	1.1	0.0	0.0	0.0	0.0	0.4	0.2	0.0	1.5	1.5	0.0	0.0	0.6	0.7	0.2	0.7	6.9	
18.6-24.0	27	0	0	0	0	0	0	0	3	15	3	0	0	15	0	21	84	
(1)	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.4	0.7	0.0	0.0	3.4	0.0	4.8	19.3	
(2)	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.2	0.0	0.0	0.9	0.0	1.3	5.2	
OVER-24.0	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	
(1)	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	
(2)	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	
ALL SPEEDS	162	24	18	12	3	12	6	3	45	60	6	3	9	30	6	36	435	
(1)	37.2	5.5	4.1	2.8	0.7	2.8	1.4	0.7	10.3	13.8	1.4	0.7	2.1	6.9	1.4	8.3	100.0	
(2)	10.1	1.5	1.1	0.7	0.2	0.7	0.4	0.2	2.8	3.7	0.4	0.2	0.6	1.9	0.4	2.2	27.0	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE
 (2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 435

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS F-- DELTA T 1.6 TO 4.0 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 19.37

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
-CALM	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	6
(1)	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
(2)	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
CALM- 3.5	3	0	3	0	0	0	3	3	0	0	0	0	0	0	0	0	12
(1)	1.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
(2)	0.2	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
3.6- 7.5	3	9	6	0	0	3	0	0	3	3	3	3	6	6	15	0	60
(1)	1.0	2.9	1.9	0.0	0.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.9	1.9	4.8	0.0	19.2
(2)	0.2	0.6	0.4	0.0	0.0	0.2	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.4	0.9	0.0	3.7
7.6-12.5	9	0	15	3	0	0	0	0	0	3	3	3	6	21	6	12	81
(1)	2.9	0.0	4.8	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.9	6.7	1.9	3.8	26.0
(2)	0.6	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	1.3	0.4	0.7	5.0
12.6-18.5	42	3	3	3	0	3	0	0	15	3	9	0	0	0	0	3	84
(1)	13.5	1.0	1.0	1.0	0.0	1.0	0.0	0.0	4.8	1.0	2.9	0.0	0.0	0.0	0.0	1.0	26.9
(2)	2.6	0.2	0.2	0.2	0.0	0.2	0.0	0.0	0.9	0.2	0.6	0.0	0.0	0.0	0.0	0.2	5.2
18.6-24.0	12	3	3	6	0	3	0	0	0	3	21	0	0	0	0	0	51
(1)	3.8	1.0	1.0	1.9	0.0	1.0	0.0	0.0	0.0	1.0	6.7	0.0	0.0	0.0	0.0	0.0	16.3
(2)	0.7	0.2	0.2	0.4	0.0	0.2	0.0	0.0	0.0	0.2	1.3	0.0	0.0	0.0	0.0	0.0	3.2
OVER-24.0	6	0	3	0	3	3	0	0	0	0	0	0	0	0	0	3	18
(1)	1.9	0.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.8
(2)	0.4	0.0	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1
ALL SPEEDS	78	15	33	12	6	12	3	3	18	12	36	6	12	27	21	18	312
(1)	25.0	4.8	10.6	3.8	1.9	3.8	1.0	1.0	5.8	3.8	11.5	1.9	3.8	8.7	6.7	5.8	100.0
(2)	4.8	0.9	2.0	0.7	0.4	0.7	0.2	0.2	1.1	0.7	2.2	0.4	0.7	1.7	1.3	1.1	19.4

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE

(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 312

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS G-- DELTA T GREATER THAN 4.0 DEG C PER 100 METERS

CLASS FREQUENCY (PERCENT) = 10.99

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION															TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW		NNW
-CALM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1)	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM- 3.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
(2)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3.6- 7.5	3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	
(1)	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	
(2)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	
7.6-12.5	6	6	0	0	0	0	0	0	3	3	6	0	0	0	24	6	
(1)	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.4	0.0	0.0	0.0	13.6	3.4	
(2)	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.0	0.0	0.0	1.5	0.4	
12.6-18.5	0	9	0	0	0	3	0	0	24	0	9	0	0	3	9	0	
(1)	0.0	5.1	0.0	0.0	0.0	1.7	0.0	0.0	13.6	0.0	5.1	0.0	0.0	1.7	5.1	0.0	
(2)	0.0	0.6	0.0	0.0	0.0	0.2	0.0	0.0	1.5	0.0	0.6	0.0	0.0	0.2	0.6	0.0	
18.6-24.0	3	3	3	0	3	0	3	0	6	3	6	0	0	0	0	0	
(1)	1.7	1.7	1.7	0.0	1.7	0.0	1.7	0.0	3.4	1.7	3.4	0.0	0.0	0.0	0.0	0.0	
(2)	0.2	0.2	0.2	0.0	0.2	0.0	0.2	0.0	0.4	0.2	0.4	0.0	0.0	0.0	0.0	0.0	
OVER-24.0	0	0	0	9	15	0	3	0	0	0	3	0	0	0	0	0	
(1)	0.0	0.0	0.0	5.1	8.5	0.0	1.7	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	
(2)	0.0	0.0	0.0	0.6	0.9	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	
ALL SPEEDS	12	18	3	9	18	3	6	0	33	6	27	0	0	3	33	6	
(1)	6.8	10.2	1.7	5.1	10.2	1.7	3.4	0.0	18.6	3.4	15.3	0.0	0.0	1.7	18.6	3.4	
(2)	0.7	1.1	0.2	0.6	1.1	0.2	0.4	0.0	2.0	0.4	1.7	0.0	0.0	0.2	2.0	0.4	

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE

(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE= 177

CALM=WIND SPEED LESS THAN 1.00MPH

TABLE 4A-2 (Continued)

220 FT TOWER - 220 FT EL

220.0 FT WIND DATA

4/1/84 - 6/30/84

STABILITY CLASS ALL-- ALL STABILITIES COMBINED

CLASS FREQUENCY (PERCENT) = 100.00

WIND DISTRIBUTION SUMMARY

SPEED(MPH)	DIRECTION																TOTAL	
	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	S	WSW	W	WNW	NW	NNW		
-CALM	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	6
(1)	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
(2)	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
CALM- 3.5	18	3	6	3	0	0	6	6	0	0	3	3	0	3	0	0	0	51
(1)	1.1	0.2	0.4	0.2	0.0	0.0	0.4	0.4	0.0	0.0	0.2	0.2	0.0	0.2	0.0	0.0	0.0	3.2
(2)	1.1	0.2	0.4	0.2	0.0	0.0	0.4	0.4	0.0	0.0	0.2	0.2	0.0	0.2	0.0	0.0	0.0	3.2
3.6- 7.5	93	12	27	15	9	12	3	0	12	24	12	3	6	9	15	0	0	252
(1)	5.8	0.7	1.7	0.9	0.6	0.7	0.2	0.0	0.7	1.5	0.7	0.2	0.4	0.6	0.9	0.0	0.0	15.6
(2)	5.8	0.7	1.7	0.9	0.6	0.7	0.2	0.0	0.7	1.5	0.7	0.2	0.4	0.6	0.9	0.0	0.0	15.6
7.6-12.5	147	27	27	12	9	6	21	3	21	27	9	3	6	21	39	30	0	408
(1)	9.1	1.7	1.7	0.7	0.6	0.4	1.3	0.2	1.3	1.7	0.6	0.2	0.4	1.3	2.4	1.9	1.9	25.3
(2)	9.1	1.7	1.7	0.7	0.6	0.4	1.3	0.2	1.3	1.7	0.6	0.2	0.4	1.3	2.4	1.9	1.9	25.3
12.6-18.5	129	27	3	3	0	18	9	0	108	39	24	3	18	24	12	30	0	447
(1)	8.0	1.7	0.2	0.2	0.0	1.1	0.6	0.0	6.7	2.4	1.5	0.2	1.1	1.5	0.7	1.9	1.9	27.7
(2)	8.0	1.7	0.2	0.2	0.0	1.1	0.6	0.0	6.7	2.4	1.5	0.2	1.1	1.5	0.7	1.9	1.9	27.7
18.6-24.0	96	36	6	6	3	3	3	0	15	51	30	0	0	21	6	45	0	321
(1)	6.0	2.2	0.4	0.4	0.2	0.2	0.2	0.0	0.9	3.2	1.9	0.0	0.0	1.3	0.4	2.8	0.0	19.9
(2)	6.0	2.2	0.4	0.4	0.2	0.2	0.2	0.0	0.9	3.2	1.9	0.0	0.0	1.3	0.4	2.8	0.0	19.9
OVER-24.0	54	27	3	9	18	3	3	0	0	0	3	0	0	0	0	6	0	126
(1)	3.4	1.7	0.2	0.6	1.1	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	7.8
(2)	3.4	1.7	0.2	0.6	1.1	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	7.8
ALL SPEEDS	540	132	72	48	42	42	45	9	156	141	81	12	30	78	72	111	0	1611
(1)	33.5	8.2	4.5	3.0	2.6	2.6	2.8	0.6	9.7	8.8	5.0	0.7	1.9	4.8	4.5	6.9	0.0	100.0
(2)	33.5	8.2	4.5	3.0	2.6	2.6	2.8	0.6	9.7	8.8	5.0	0.7	1.9	4.8	4.5	6.9	0.0	100.0

(1)=PERCENT OF ALL GOOD OBSERVATIONS FOR THIS PAGE

(2)=PERCENT OF ALL GOOD OBSERVATIONS FOR THE PERIOD

NUMBER OF GOOD OBSERVATIONS ON THIS PAGE=1611

NUMBER OF HOURS IN THIS PERIOD= 2184

73.8 PERCENT DATA RECOVERY

CALM=WIND SPEED LESS THAN 1.00MPH

3. OFF-SITE DOSES RESULTING FROM RADIOACTIVE LIQUID EFFLUENTS

3.1 General Dose Assessment

The methods and parameters used to calculate the off-site doses are presented in the Appendix I analysis for Unit #1¹. Population data are based upon the 1980 census data³; effluent releases are given elsewhere in this report.

Numerical constants used in the analyses have been updated to conform to Revision 1 of Regulatory Guide 1.109 dated October 1977.

3.2 Maximum Individual Doses

The maximum individual doses and pathways considered are shown in Tables 3.2-1 through 3.2-3.

3.3 Population Doses

The population doses are shown in Table 3.3-1.

¹ See References #1 pg. 68
³ See Reference #3 pg. 68

Table 3.2-1

January - June 1984 Liquid Release Maximum Individual
Doses From All Pathways for Adults (mREM)

<u>Pathway</u>	<u>Bone</u>	<u>Liver</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>	<u>Total Body</u>
Salt Water Fish	.17	.15	<.01	.01	.06	.26	0.0	.06
Salt Water Shell Fish	.48	.43	<.01	.05	.18	.91	0.0	.19
Discharge Canal Shoreline	.03	.03	.03	.03	.03	.03	.04	.03
Ocean Shoreline Deposits	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Swimming	.03	.03	.03	.03	.03	.03	.03	.03
Boating	.02	.02	.02	.02	.02	.02	.02	.02
Total	.74	.67	.08	15	.32	1.26	.09	.33

Table 3.2-2

January - June 1984 Liquid Release Maximum Individual
Doses From All Pathways for Teenagers (mREM)

<u>Pathway</u>	<u>Bone</u>	<u>Liver</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>	<u>Total Body</u>
Salt Water Fish	.18	.16	<.01	.01	.07	.19	0.0	.06
Salt Water Shell Fish	.44	.40	<.01	.04	.19	.57	0.0	.17
Discharge Canal Shoreline	.17	.17	.17	.17	.17	.17	.20	.17
Ocean Shoreline Deposits	.04	.04	.04	.04	.04	.04	.05	.04
Swimming	.03	.03	.03	.03	.03	.03	.03	.03
Boating	.02	.02	.02	.02	.02	.02	.02	.02
Total	.87	.82	.26	.31	.52	1.02	.29	.48

Table 3.2-3

January - June 1984 Liquid Release Maximum Individual
Doses From All Pathways for Children (mREM)

<u>Pathway</u>	<u>Bone</u>	<u>Liver</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>	<u>Total Body</u>
Salt Water Fish	.23	.15	<.01	.01	.07	.07	0.0	.06
Salt Water Shell Fish	.65	.43	<.01	.04	.19	.24	0.0	.23
Discharge Canal Shoreline	.03	.03	.03	.03	.03	.03	.04	.03
Ocean Shoreline Deposits	<.01	<.01	<.01	<.01	<.01	<.01	.01	<.01
Swimming	.02	.02	.02	.02	.02	.02	.02	.02
Boating	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Total	.96	.65	.07	.12	.33	.38	.08	.36

Table 3.3-1
Population Doses Resulting From The
January - June 1984 Liquid Effluents

<u>Pathway</u>	<u>Thyroid</u>	<u>Total Body</u> <u>(MAN-REM)</u>
Salt Water Fish	<.01	1.03
Salt Water Shell Fish	<.01	1.99
Salt Water Plants	<.01	.02
Ocean Shoreline Deposits	2.92	2.92
Swimming	.49	.49
Total	3.41	6.46

NOTE: These are the major pathways for liquid effluents.

4. OFF-SITE DOSES RESULTING FROM RADIOACTIVE GASEOUS EFFLUENTS

4.1 General Dose Assessment

The methods and parameters used to calculate the off-site doses are presented in the Appendix I analysis for Unit #1'. The gaseous releases for both reactor building vent and the main stack, for the period January - June 1984, are elsewhere in this report. Meteorological information for calculating dispersion of these releases are shown in Tables 4.1-1 through 4.1-12. For each quarter year, values of X/Q, X/Q depleted and D/Q are tabulated for twenty-three radial distances at sixteen compass directions using the AEOLUS program which was provided to Boston Edison by Yankee Atomic Electric Company.

AEOLUS is a computer code for evaluating atmospheric dispersion of routine radioactive effluents from commercial nuclear power stations, and for computing statistical distributions of radiator doses which would result from postulated accidental releases of assumed intensity. The code is based, in part, on Regulatory Guide 1.111 developed by the U.S. Nuclear Regulatory Commission as guidance toward implementation of Appendix I to 10 CFR Part 50 and the "as low as reasonably achievable" objectives. Table 4.1-1 through 4.1-12 are based on data taken at the 220 ft. elevation for the main stack and the 33-foot elevation for the reactor building vent.

4.2 Maximum Individual Doses

The maximum individual dose locations and pathways assumed are presented in Table 4.2-1. The resultant maximum individual adult, teenage, child and infant doses are reported in Tables 4.2-2 through 4.2-5. In the summary Table 4.2-6, doses for skin and total body; individual organ doses are due to iodine and air particulates only.

4.3 Population Doses

The assumed population distribution is shown in Table 4.3-1 and is based upon 1980 Census Data for the permanent population.³ The population doses by pathway are presented in Table 4.3-2.

In accordance with Regulatory Guide 1.21, only pathways yielding significant contribution to the total dose have been included; those pathways not included account for a total of less than 5% of the overall population doses.

¹ See Reference #1 pg. 68

³ See Reference #3 pg. 68

UNDEPLETED X/Q FOR THE REACTOR BUILDING VENT 1/1/84 - 3/31/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	7.040E-06	8.570E-06	5.840E-06	7.330E-06	8.940E-06	6.200E-06	1.410E-05	2.590E-05
2	402.30	1.780E-06	2.230E-06	1.480E-06	1.900E-06	2.350E-06	1.630E-06	3.970E-06	7.380E-06
3	804.70	4.060E-07	5.520E-07	3.440E-07	4.530E-07	5.930E-07	4.280E-07	1.110E-06	2.110E-06
4	1207.00	1.930E-07	2.640E-07	1.610E-07	2.270E-07	2.850E-07	2.100E-07	5.500E-07	1.050E-06
5	1609.40	1.270E-07	1.690E-07	1.040E-07	1.520E-07	1.830E-07	1.350E-07	3.450E-07	6.590E-07
6	2414.00	7.720E-08	1.020E-07	6.370E-08	8.990E-08	1.080E-07	8.010E-08	2.060E-07	3.910E-07
7	3218.70	5.490E-08	7.260E-08	4.560E-08	6.220E-08	7.600E-08	5.590E-08	1.450E-07	2.740E-07
8	4023.40	4.200E-08	5.540E-08	3.500E-08	4.680E-08	5.760E-08	4.220E-08	1.090E-07	2.070E-07
9	4828.10	3.360E-08	4.420E-08	2.810E-08	3.710E-08	4.570E-08	3.350E-08	8.640E-08	1.630E-07
10	5632.70	2.790E-08	3.650E-08	2.330E-08	3.060E-08	3.770E-08	2.760E-08	7.090E-08	1.330E-07
11	6437.40	2.380E-08	3.100E-08	1.990E-08	2.590E-08	3.190E-08	2.330E-08	5.980E-08	1.120E-07
12	7242.10	2.070E-08	2.690E-08	1.730E-08	2.240E-08	2.760E-08	2.010E-08	5.160E-08	9.680E-08
13	8046.80	1.830E-08	2.370E-08	1.530E-08	1.970E-08	2.430E-08	1.770E-08	4.520E-08	8.490E-08
14	12070.10	1.140E-08	1.460E-08	9.490E-09	1.220E-08	1.490E-08	1.070E-08	2.730E-08	5.100E-08
15	16093.49	8.180E-09	1.040E-08	6.830E-09	8.680E-09	1.060E-08	7.610E-09	1.920E-08	3.590E-08
16	24140.29	5.190E-09	6.550E-09	4.340E-09	5.420E-09	6.620E-09	4.750E-09	1.190E-08	2.210E-08
17	32187.00	3.750E-09	4.720E-09	3.140E-09	3.880E-09	4.750E-09	3.400E-09	8.450E-09	1.570E-08
18	40233.79	2.930E-09	3.670E-09	2.450E-09	3.010E-09	3.690E-09	2.630E-09	6.520E-09	1.210E-08
19	48280.48	2.410E-09	3.010E-09	2.020E-09	2.460E-09	3.020E-09	2.150E-09	5.310E-09	9.820E-09
20	56327.29	2.040E-09	2.540E-09	1.710E-09	2.070E-09	2.550E-09	1.810E-09	4.460E-09	8.240E-09
21	64373.99	1.760E-09	2.200E-09	1.400E-09	1.790E-09	2.200E-09	1.560E-09	3.840E-09	7.080E-09
22	72420.75	1.550E-09	1.930E-09	1.300E-09	1.570E-09	1.930E-09	1.370E-09	3.360E-09	6.190E-09
23	80467.44	1.380E-09	1.720E-09	1.160E-09	1.390E-09	1.720E-09	1.220E-09	2.980E-09	5.490E-09

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	3.410E-05	3.140E-05	4.910E-05	5.640E-05	4.870E-05	3.610E-05	1.670E-05	1.570E-05
2	402.30	9.630E-06	8.730E-06	1.390E-05	1.590E-05	1.340E-05	9.700E-06	4.370E-06	4.280E-06
3	804.70	2.760E-06	2.440E-06	3.950E-06	4.630E-06	3.670E-06	2.510E-06	1.080E-06	1.150E-06
4	1207.00	1.390E-06	1.220E-06	1.970E-06	2.340E-06	1.830E-06	1.220E-06	5.410E-07	5.760E-07
5	1609.40	8.780E-07	7.760E-07	1.230E-06	1.480E-06	1.160E-06	7.800E-07	3.570E-07	3.700E-07
6	2414.00	5.170E-07	4.600E-07	7.330E-07	8.660E-07	6.850E-07	4.670E-07	2.120E-07	2.190E-07
7	3218.70	3.600E-07	3.210E-07	5.150E-07	5.990E-07	4.760E-07	3.290E-07	1.470E-07	1.530E-07
8	4023.40	2.700E-07	2.420E-07	3.890E-07	4.480E-07	3.580E-07	2.500E-07	1.110E-07	1.150E-07
9	4828.10	2.130E-07	1.910E-07	3.070E-07	3.520E-07	2.820E-07	1.980E-07	8.790E-08	9.100E-08
10	5632.70	1.740E-07	1.560E-07	2.520E-07	2.880E-07	2.310E-07	1.630E-07	7.240E-08	7.470E-08
11	6437.40	1.460E-07	1.320E-07	2.120E-07	2.420E-07	1.950E-07	1.380E-07	6.120E-08	6.300E-08
12	7242.10	1.260E-07	1.140E-07	1.830E-07	2.080E-07	1.680E-07	1.200E-07	5.300E-08	5.440E-08
13	8046.80	1.100E-07	9.360E-08	1.600E-07	1.820E-07	1.470E-07	1.050E-07	4.660E-08	4.770E-08
14	12070.10	6.620E-08	6.000E-08	9.640E-08	1.090E-07	8.880E-08	6.420E-08	2.850E-08	2.890E-08
15	16093.49	4.650E-08	4.230E-08	6.780E-08	7.600E-08	6.260E-08	4.560E-08	2.030E-08	2.040E-08
16	24140.29	2.860E-08	2.610E-08	4.190E-08	4.660E-08	3.870E-08	2.850E-08	1.270E-08	1.270E-08
17	32187.00	2.020E-08	1.850E-08	2.970E-08	3.290E-08	2.760E-08	2.040E-08	9.060E-09	9.020E-09
18	40233.79	1.550E-08	1.430E-08	2.290E-08	2.530E-08	2.130E-08	1.580E-08	7.020E-09	6.960E-09
19	48280.48	1.260E-08	1.160E-08	1.860E-08	2.050E-08	1.730E-08	1.290E-08	5.740E-09	5.670E-09
20	56327.29	1.060E-08	9.770E-09	1.570E-08	1.720E-08	1.460E-08	1.090E-08	4.830E-09	4.770E-09
21	64373.99	9.100E-09	8.400E-09	1.350E-08	1.480E-08	1.250E-08	9.400E-09	4.160E-09	4.100E-09
22	72420.75	7.960E-09	7.350E-09	1.180E-08	1.290E-08	1.100E-08	8.250E-09	3.650E-09	3.590E-09
23	80467.44	7.050E-09	6.520E-09	1.040E-08	1.140E-08	9.730E-09	7.340E-09	3.240E-09	3.190E-09

TABLE 4-1-1
UNDEPLETED RELATIVE CONCENTRATIONS PER UNIT
EMISSION FOR REACTOR BUILDING VENT FOR
JANUARY - MARCH 1984

DEPLETED X/Q FOR THE REACTOR BUILDING VENT 1/1/84 - 3/31/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	6.660E-06	8.010E-06	5.490E-06	6.970E-06	8.400E-06	5.810E-06	1.290E-05	2.350E-05
2	402.30	1.640E-06	2.020E-06	1.360E-06	1.770E-06	2.150E-06	1.480E-06	3.480E-06	6.460E-06
3	804.70	3.560E-07	4.760E-07	2.980E-07	4.050E-07	5.200E-07	3.740E-07	9.340E-07	1.770E-06
4	1207.00	1.650E-07	2.220E-07	1.350E-07	1.980E-07	2.440E-07	1.790E-07	4.500E-07	8.600E-07
5	1609.40	1.070E-07	1.410E-07	8.670E-08	1.310E-07	1.550E-07	1.140E-07	2.780E-07	5.290E-07
6	2414.00	6.410E-08	8.290E-08	5.200E-08	7.610E-08	8.940E-08	6.580E-08	1.600E-07	3.020E-07
7	3218.70	4.460E-08	5.740E-08	3.650E-08	5.170E-08	6.130E-08	4.480E-08	1.090E-07	2.050E-07
8	4023.40	3.360E-08	4.290E-08	2.750E-08	3.850E-08	4.560E-08	3.320E-08	7.970E-08	1.500E-07
9	4828.10	2.650E-08	3.350E-08	2.170E-08	2.990E-08	3.550E-08	2.580E-08	6.120E-08	1.150E-07
10	5632.70	2.170E-08	2.720E-08	1.770E-08	2.440E-08	2.880E-08	2.090E-08	4.890E-08	9.140E-08
11	6437.40	1.820E-08	2.270E-08	1.490E-08	2.040E-08	2.400E-08	1.740E-08	4.020E-08	7.500E-08
12	7242.10	1.570E-08	1.940E-08	1.280E-08	1.740E-08	2.050E-08	1.480E-08	3.390E-08	6.300E-08
13	8046.80	1.370E-08	1.680E-08	1.110E-08	1.520E-08	1.780E-08	1.280E-08	2.900E-08	5.390E-08
14	12070.10	8.090E-09	9.690E-09	6.550E-09	8.910E-09	1.020E-08	7.270E-09	1.570E-08	2.900E-08
15	16093.49	5.570E-09	6.530E-09	4.480E-09	6.090E-09	6.920E-09	4.870E-09	1.010E-08	1.840E-08
16	24140.29	3.280E-09	3.730E-09	2.620E-09	3.550E-09	3.970E-09	2.760E-09	5.240E-09	9.420E-09
17	32187.00	2.240E-09	2.480E-09	1.780E-09	2.410E-09	2.650E-09	1.830E-09	3.190E-09	5.640E-09
18	40233.79	1.670E-09	1.800E-09	1.320E-09	1.780E-09	1.940E-09	1.320E-09	2.140E-09	3.730E-09
19	48280.48	1.310E-09	1.390E-09	1.030E-09	1.390E-09	1.510E-09	1.020E-09	1.540E-09	2.630E-09
20	56327.29	1.070E-09	1.120E-09	8.390E-10	1.130E-09	1.220E-09	8.140E-10	1.150E-09	1.930E-09
21	64373.99	8.970E-10	9.250E-10	7.020E-10	9.440E-10	1.010E-09	6.710E-10	8.890E-10	1.470E-09
22	72420.75	7.680E-10	7.830E-10	6.000E-10	8.050E-10	8.590E-10	5.660E-10	7.070E-10	1.140E-09
23	80467.44	6.690E-10	6.760E-10	5.220E-10	6.980E-10	7.430E-10	4.860E-10	5.750E-10	9.120E-10

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	3.120E-05	2.880E-05	4.450E-05	5.170E-05	4.510E-05	3.340E-05	1.580E-05	1.460E-05
2	402.30	8.510E-06	7.740E-06	1.220E-05	1.410E-05	1.200E-05	8.700E-06	4.020E-06	3.840E-06
3	804.70	2.350E-06	2.070E-06	3.310E-06	3.970E-06	3.160E-06	2.150E-06	9.570E-07	9.920E-07
4	1207.00	1.150E-06	1.010E-06	1.600E-06	1.960E-06	1.540E-06	1.020E-06	4.670E-07	4.840E-07
5	1609.40	7.170E-07	6.320E-07	9.860E-07	1.220E-06	9.670E-07	6.410E-07	3.050E-07	3.060E-07
6	2414.00	4.080E-07	3.620E-07	5.460E-07	6.910E-07	5.510E-07	3.730E-07	1.760E-07	1.760E-07
7	3218.70	2.750E-07	2.450E-07	3.840E-07	4.630E-07	3.720E-07	2.560E-07	1.200E-07	1.190E-07
8	4023.40	2.000E-07	1.800E-07	2.810E-07	3.370E-07	2.730E-07	1.890E-07	8.870E-08	8.780E-08
9	4828.10	1.540E-07	1.380E-07	2.160E-07	2.580E-07	2.100E-07	1.470E-07	6.920E-08	6.790E-08
10	5632.70	1.220E-07	1.110E-07	1.720E-07	2.060E-07	1.690E-07	1.190E-07	5.610E-08	5.460E-08
11	6437.40	1.010E-07	9.110E-08	1.410E-07	1.690E-07	1.390E-07	9.840E-08	4.680E-08	4.510E-08
12	7242.10	8.460E-08	7.680E-08	1.190E-07	1.420E-07	1.180E-07	8.360E-08	3.990E-08	3.820E-08
13	8046.80	7.240E-08	6.580E-08	1.020E-07	1.210E-07	1.010E-07	7.220E-08	3.470E-08	3.290E-08
14	12070.10	3.920E-08	3.600E-08	5.460E-08	6.590E-08	5.620E-08	4.070E-08	2.010E-08	1.840E-08
15	16093.49	2.510E-08	2.330E-08	3.470E-08	4.230E-08	3.680E-08	2.690E-08	1.360E-08	1.210E-08
16	24140.29	1.310E-08	1.230E-08	1.780E-08	2.220E-08	2.000E-08	1.490E-08	7.790E-09	6.610E-09
17	32187.00	8.020E-09	7.650E-09	1.070E-08	1.370E-08	1.280E-08	9.650E-09	5.220E-09	4.240E-09
18	40233.79	5.410E-09	5.230E-09	7.000E-09	9.290E-09	8.970E-09	6.060E-09	3.820E-09	2.980E-09
19	48280.48	3.900E-09	3.820E-09	5.000E-09	6.740E-09	6.710E-09	5.190E-09	2.960E-09	2.240E-09
20	56327.29	2.930E-09	2.900E-09	3.680E-09	5.100E-09	5.230E-09	4.090E-09	2.390E-09	1.750E-09
21	64373.99	2.270E-09	2.280E-09	2.800E-09	3.990E-09	4.210E-09	3.330E-09	1.980E-09	1.410E-09
22	72420.75	1.810E-09	1.840E-09	2.190E-09	3.200E-09	3.480E-09	2.780E-09	1.680E-09	1.170E-09
23	80467.44	1.480E-09	1.520E-09	1.750E-09	2.630E-09	2.930E-09	2.360E-09	1.450E-09	9.860E-10

TABLE 4.1-2
DEPLETED RELATIVE CONCENTRATION PER UNIT
EMISSION FOR REACTOR BUILDING VENT FOR
JANUARY - MARCH 1984

DEPOSITION FACTORS FOR THE REACTOR BUILDING VENT 1/1/84 - 3/31/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES 1/M**2							
		S - (1) 8.8	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	2.320E-08	2.840E-08	2.150E-08	1.250E-08	1.720E-08	2.110E-08	2.850E-08	5.990E-08
2	402.30	5.880E-09	7.070E-09	5.290E-09	3.050E-09	4.190E-09	5.410E-09	7.700E-09	1.650E-08
3	804.70	1.380E-09	1.600E-09	1.170E-09	6.340E-10	8.950E-10	1.330E-09	2.060E-09	4.520E-09
4	1207.00	6.560E-10	7.310E-10	5.320E-10	2.940E-10	4.050E-10	6.290E-10	9.950E-10	2.200E-09
5	1609.40	4.240E-10	4.660E-10	3.420E-10	1.970E-10	2.640E-10	3.970E-10	6.150E-10	1.350E-09
6	2414.00	2.490E-10	2.780E-10	2.050E-10	1.170E-10	1.560E-10	2.310E-10	3.540E-10	7.730E-10
7	3218.70	1.710E-10	1.940E-10	1.430E-10	8.110E-11	1.090E-10	1.590E-10	2.400E-10	5.230E-10
8	4023.40	1.270E-10	1.460E-10	1.080E-10	6.110E-11	8.250E-11	1.180E-10	1.760E-10	3.830E-10
9	4828.10	9.930E-11	1.150E-10	8.510E-11	4.840E-11	6.540E-11	9.200E-11	1.350E-10	2.930E-10
10	5632.70	8.060E-11	9.340E-11	6.960E-11	3.980E-11	5.380E-11	7.440E-11	1.080E-10	2.330E-10
11	6437.40	6.730E-11	7.820E-11	5.850E-11	3.360E-11	4.550E-11	6.190E-11	8.900E-11	1.910E-10
12	7242.10	5.750E-11	6.700E-11	5.020E-11	2.900E-11	3.920E-11	5.260E-11	7.500E-11	1.610E-10
13	8046.80	4.990E-11	5.830E-11	4.380E-11	2.550E-11	3.440E-11	4.550E-11	6.430E-11	1.370E-10
14	12070.10	2.890E-11	3.390E-11	2.580E-11	1.540E-11	2.070E-11	2.580E-11	3.490E-11	7.380E-11
15	16093.49	1.950E-11	2.310E-11	1.770E-11	1.080E-11	1.450E-11	1.720E-11	2.240E-11	4.690E-11
16	24140.29	1.120E-11	1.340E-11	1.040E-11	6.540E-12	8.780E-12	9.650E-12	1.170E-11	2.400E-11
17	32187.00	7.460E-12	8.990E-12	7.070E-12	4.580E-12	6.130E-12	6.320E-12	7.190E-12	1.440E-11
18	40233.79	5.440E-12	6.600E-12	5.250E-12	3.470E-12	4.650E-12	4.540E-12	4.850E-12	9.490E-12
19	48280.48	4.210E-12	5.140E-12	4.120E-12	2.770E-12	3.710E-12	3.460E-12	3.500E-12	6.690E-12
20	56327.29	3.380E-12	4.160E-12	3.350E-12	2.290E-12	3.070E-12	2.750E-12	2.630E-12	4.910E-12
21	64373.99	2.800E-12	3.460E-12	2.810E-12	1.940E-12	2.600E-12	2.260E-12	2.050E-12	3.730E-12
22	72420.75	2.370E-12	2.950E-12	2.400E-12	1.680E-12	2.250E-12	1.890E-12	1.640E-12	2.900E-12
23	80467.44	2.040E-12	2.550E-12	2.090E-12	1.480E-12	1.980E-12	1.620E-12	1.340E-12	2.310E-12

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES 1/M**2							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	7.870E-08	7.450E-08	1.130E-07	1.520E-07	1.360E-07	9.790E-08	5.800E-08	4.460E-08
2	402.30	2.150E-08	1.990E-08	3.080E-08	4.120E-08	3.550E-08	2.470E-08	1.460E-08	1.180E-08
3	804.70	5.890E-09	5.290E-09	8.290E-09	1.150E-08	9.030E-09	5.710E-09	3.360E-09	3.110E-09
4	1207.00	2.890E-09	2.590E-09	4.010E-09	5.660E-09	4.380E-09	2.680E-09	1.600E-09	1.530E-09
5	1609.40	1.790E-09	1.630E-09	2.480E-09	3.540E-09	2.790E-09	1.720E-09	1.040E-09	9.680E-10
6	2414.00	1.020E-09	9.320E-10	1.420E-09	2.000E-09	1.590E-09	1.010E-09	6.080E-10	5.540E-10
7	3218.70	6.880E-10	6.300E-10	9.670E-10	1.340E-09	1.070E-09	6.940E-10	4.170E-10	3.740E-10
8	4023.40	5.030E-10	4.620E-10	7.090E-10	9.750E-10	7.900E-10	5.180E-10	3.100E-10	2.740E-10
9	4828.10	3.860E-10	3.560E-10	5.440E-10	7.480E-10	6.120E-10	4.060E-10	2.430E-10	2.110E-10
10	5632.70	3.080E-10	2.850E-10	4.340E-10	5.970E-10	4.930E-10	3.300E-10	1.980E-10	1.700E-10
11	6437.40	2.530E-10	2.350E-10	3.570E-10	4.910E-10	4.090E-10	2.760E-10	1.660E-10	1.400E-10
12	7242.10	2.130E-10	1.980E-10	3.010E-10	4.130E-10	3.470E-10	2.360E-10	1.420E-10	1.180E-10
13	8046.80	1.820E-10	1.700E-10	2.570E-10	3.540E-10	3.000E-10	2.050E-10	1.230E-10	1.020E-10
14	12070.10	9.870E-11	9.390E-11	1.390E-10	1.930E-10	1.700E-10	1.200E-10	7.230E-11	5.660E-11
15	16093.49	6.330E-11	6.110E-11	8.900E-11	1.240E-10	1.130E-10	8.130E-11	4.940E-11	3.710E-11
16	24140.29	3.310E-11	3.280E-11	4.610E-11	6.580E-11	6.340E-11	4.710E-11	2.880E-11	2.010E-11
17	32187.00	2.030E-11	2.060E-11	2.800E-11	4.090E-11	4.170E-11	3.170E-11	1.950E-11	1.280E-11
18	40233.79	1.370E-11	1.430E-11	1.870E-11	2.800E-11	3.000E-11	2.330E-11	1.450E-11	8.980E-12
19	48280.48	9.900E-12	1.050E-11	1.340E-11	2.050E-11	2.300E-11	1.820E-11	1.130E-11	6.700E-12
20	56327.29	7.460E-12	8.100E-12	9.950E-12	1.560E-11	1.830E-11	1.470E-11	9.200E-12	5.210E-12
21	64373.99	5.800E-12	6.440E-12	7.660E-12	1.230E-11	1.500E-11	1.230E-11	7.680E-12	4.180E-12
22	72420.75	4.640E-12	5.260E-12	6.050E-12	9.970E-12	1.260E-11	1.040E-11	6.560E-12	3.440E-12
23	80467.44	3.790E-12	4.380E-12	4.900E-12	8.240E-12	1.080E-11	9.040E-12	5.690E-12	2.890E-12

TABLE 4.1-3
RELATIVE DEPOSITION CONCENTRATIONS PER UNIT
EMMISSION FOR REACTOR BUILDING VENT
JANUARY - MARCH 1984

UNDEPLETED X/Q FOR THE MAIN STACK 1/1/84 - 3/31/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 15.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	2.320E-08	3.050E-08	9.530E-08	1.030E-07	3.720E-08	1.880E-08	6.070E-09	7.150E-09
2	402.30	3.630E-07	3.440E-07	4.510E-07	4.750E-07	2.820E-07	1.760E-07	5.440E-08	1.220E-07
3	804.70	1.940E-07	6.040E-08	7.950E-08	8.500E-08	5.690E-08	3.730E-08	1.590E-08	3.900E-08
4	1207.00	1.800E-07	6.720E-08	3.210E-08	3.570E-08	2.820E-08	1.520E-08	7.670E-09	1.690E-08
5	1609.40	4.200E-07	1.780E-07	2.680E-08	2.870E-08	2.310E-08	1.140E-08	6.220E-09	1.260E-08
6	2414.00	4.650E-07	9.560E-08	2.180E-08	1.960E-08	1.650E-08	8.070E-09	4.790E-09	8.630E-09
7	3218.70	3.440E-07	6.370E-08	1.900E-08	1.470E-08	1.270E-08	6.490E-09	3.960E-09	6.860E-09
8	4023.40	2.520E-07	4.660E-08	1.710E-08	1.180E-08	1.040E-08	5.490E-09	3.340E-09	5.770E-09
9	4828.10	1.950E-07	3.580E-08	1.580E-08	9.860E-09	8.840E-09	4.790E-09	2.870E-09	4.980E-09
10	5632.70	1.570E-07	2.890E-08	1.460E-08	8.460E-09	7.760E-09	4.270E-09	2.500E-09	4.410E-09
11	6437.40	1.310E-07	2.410E-08	1.350E-08	7.400E-09	6.950E-09	3.880E-09	2.220E-09	3.960E-09
12	7242.10	1.120E-07	2.060E-08	1.250E-08	6.570E-09	6.300E-09	3.560E-09	1.990E-09	3.600E-09
13	8046.80	9.690E-08	1.800E-08	1.160E-08	5.900E-09	1.360E-08	3.690E-09	2.640E-09	3.310E-09
14	12070.10	5.680E-08	1.070E-08	8.400E-09	3.910E-09	8.830E-09	2.800E-09	2.060E-09	2.360E-09
15	16093.49	3.940E-08	7.480E-09	6.500E-09	2.920E-09	6.430E-09	2.250E-09	2.750E-09	1.240E-08
16	24140.29	2.380E-08	4.610E-09	4.420E-09	1.930E-09	4.090E-09	1.610E-09	1.940E-09	7.880E-09
17	32187.00	1.670E-08	3.280E-09	3.340E-09	1.450E-09	2.970E-09	1.690E-09	1.750E-09	5.690E-09
18	40233.79	1.270E-08	2.530E-09	2.670E-09	1.200E-09	2.320E-09	1.990E-09	1.500E-09	4.420E-09
19	48280.48	1.030E-08	2.060E-09	2.220E-09	9.960E-10	1.900E-09	1.790E-09	1.940E-09	3.620E-09
20	56327.29	8.600E-09	1.740E-09	2.140E-09	8.490E-10	1.850E-09	1.500E-09	1.620E-09	3.050E-09
21	64373.99	7.350E-09	1.490E-09	1.860E-09	7.400E-10	1.590E-09	1.290E-09	1.390E-09	2.640E-09
22	72420.75	6.400E-09	1.310E-09	1.640E-09	6.500E-10	1.390E-09	1.130E-09	1.220E-09	2.310E-09
23	80467.44	5.660E-09	1.160E-09	1.470E-09	5.900E-10	1.230E-09	1.000E-09	1.080E-09	2.060E-09

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	5.320E-09	1.180E-08	1.380E-08	1.780E-08	3.370E-08	2.740E-08	6.090E-08	1.490E-08
2	402.30	9.240E-08	2.010E-07	2.360E-07	3.020E-07	5.710E-07	4.650E-07	1.030E-06	3.190E-07
3	804.70	3.180E-08	6.480E-08	7.560E-08	9.090E-08	1.700E-07	1.420E-07	3.050E-07	6.870E-08
4	1207.00	1.390E-08	2.810E-08	3.210E-08	3.840E-08	7.500E-08	5.850E-08	1.230E-07	3.020E-08
5	1609.40	1.000E-08	2.090E-08	2.370E-08	2.970E-08	6.260E-08	4.360E-08	9.410E-08	2.400E-08
6	2414.00	6.840E-09	1.440E-08	1.610E-08	2.160E-08	5.080E-08	2.930E-08	6.730E-08	1.770E-08
7	3218.70	5.490E-09	1.140E-08	1.250E-08	1.740E-08	4.250E-08	2.240E-08	5.400E-08	1.450E-08
8	4023.40	4.640E-09	9.450E-09	1.030E-08	1.460E-08	3.600E-08	1.830E-08	4.520E-08	1.270E-08
9	4828.10	4.010E-09	8.090E-09	8.700E-09	1.250E-08	3.100E-08	1.550E-08	3.880E-08	1.160E-08
10	5632.70	3.540E-09	7.070E-09	7.550E-09	1.100E-08	2.700E-08	1.340E-08	3.390E-08	1.080E-08
11	6437.40	3.180E-09	6.290E-09	6.670E-09	9.790E-09	2.380E-08	1.190E-08	3.010E-08	1.010E-08
12	7242.10	2.890E-09	5.660E-09	5.980E-09	8.840E-09	2.130E-08	1.070E-08	2.710E-08	9.390E-09
13	8046.80	2.650E-09	5.150E-09	5.420E-09	8.050E-09	1.920E-08	9.690E-09	2.460E-08	8.780E-09
14	12070.10	1.890E-09	3.550E-09	3.720E-09	5.400E-09	1.280E-08	6.680E-09	1.670E-08	6.620E-09
15	16093.49	1.500E-09	2.730E-09	2.850E-09	4.270E-09	9.480E-09	5.140E-09	1.270E-08	7.040E-09
16	24140.29	1.080E-09	1.880E-09	1.980E-09	2.940E-09	6.190E-09	3.550E-09	8.470E-09	4.680E-09
17	32187.00	8.720E-10	1.460E-09	1.540E-09	2.280E-09	4.630E-09	3.280E-09	8.360E-09	3.490E-09
18	40233.79	7.350E-10	1.200E-09	1.270E-09	2.400E-09	5.010E-09	2.690E-09	6.700E-09	2.770E-09
19	48280.48	6.320E-10	1.020E-09	1.080E-09	2.030E-09	4.170E-09	2.280E-09	5.570E-09	2.300E-09
20	56327.29	5.570E-10	8.860E-10	9.390E-10	1.770E-09	3.570E-09	1.980E-09	4.770E-09	1.960E-09
21	64373.99	1.170E-09	7.850E-10	8.340E-10	1.560E-09	3.130E-09	1.750E-09	4.170E-09	1.700E-09
22	72420.75	1.720E-09	7.070E-10	7.520E-10	1.410E-09	2.780E-09	1.570E-09	3.700E-09	1.510E-09
23	80467.44	1.540E-09	6.440E-10	6.850E-10	1.280E-09	2.500E-09	1.420E-09	3.330E-09	1.350E-09

TABLE 4.1-4
 UNDEPLETED RELATIVE CONCENTRATION PER UNIT
 EMISSION FOR MAIN STACK FOR
 JANUARY - MARCH 1984

DEPLETED X/Q FOR THE MAIN STACK 1/1/84 - 3/31/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	2.320E-08	3.050E-08	9.530E-08	1.030E-07	3.720E-08	1.890E-08	6.570E-09	7.150E-09
2	402.30	3.620E-07	3.430E-07	4.500E-07	4.750E-07	2.820E-07	1.750E-07	5.430E-08	1.220E-07
3	804.70	1.940E-07	6.020E-08	7.920E-08	8.470E-08	5.670E-08	3.720E-08	1.590E-08	3.880E-08
4	1207.00	1.800E-07	6.710E-08	3.200E-08	3.560E-08	2.820E-08	1.510E-08	7.640E-09	1.090E-08
5	1609.40	4.200E-07	1.780E-07	2.670E-08	2.360E-08	2.300E-08	1.140E-08	6.190E-09	1.250E-08
6	2414.00	4.640E-07	9.540E-08	2.170E-08	1.950E-08	1.640E-08	8.030E-09	4.770E-09	8.580E-09
7	3218.70	3.420E-07	6.350E-08	1.890E-08	1.460E-08	1.260E-08	6.460E-09	3.930E-09	6.820E-09
8	4023.40	2.500E-07	4.630E-08	1.700E-08	1.170E-08	1.030E-08	5.450E-09	3.320E-09	5.730E-09
9	4828.10	1.930E-07	3.560E-08	1.570E-08	9.760E-09	8.730E-09	4.750E-09	2.340E-09	4.940E-09
10	5632.70	1.550E-07	2.860E-08	1.450E-08	8.360E-09	7.650E-09	4.230E-09	2.470E-09	4.370E-09
11	6437.40	1.280E-07	2.370E-08	1.340E-08	7.300E-09	6.840E-09	3.840E-09	2.180E-09	3.920E-09
12	7242.10	1.090E-07	2.020E-08	1.240E-08	6.470E-09	6.190E-09	3.520E-09	1.950E-09	3.560E-09
13	8046.80	9.430E-08	1.760E-08	1.150E-08	5.810E-09	1.340E-08	3.640E-09	2.590E-09	3.260E-09
14	12070.10	5.380E-08	1.020E-08	8.260E-09	3.830E-09	8.590E-09	2.740E-09	2.000E-09	2.300E-09
15	16093.49	3.610E-08	6.930E-09	6.330E-09	2.840E-09	6.170E-09	2.190E-09	2.660E-09	1.190E-08
16	24140.29	2.040E-08	4.020E-09	4.200E-09	1.850E-09	3.790E-09	1.540E-09	1.840E-09	7.220E-09
17	32187.00	1.340E-08	2.690E-09	3.090E-09	1.370E-09	2.660E-09	1.560E-09	1.610E-09	4.970E-09
18	40233.79	9.510E-09	1.950E-09	2.400E-09	1.100E-09	1.990E-09	1.650E-09	1.320E-09	3.670E-09
19	48280.48	7.160E-09	1.490E-09	1.930E-09	8.990E-10	1.570E-09	1.030E-09	6.760E-10	2.850E-09
20	56327.29	5.570E-09	1.180E-09	1.740E-09	7.300E-10	1.160E-09	7.190E-10	4.980E-10	2.270E-09
21	64373.99	4.430E-09	9.620E-10	1.450E-09	6.480E-10	7.620E-10	5.690E-10	3.790E-10	1.860E-09
22	72420.75	3.590E-09	7.960E-10	1.240E-09	5.590E-10	5.980E-10	4.600E-10	2.960E-10	1.540E-09
23	80467.44	2.960E-09	6.700E-10	1.060E-09	4.940E-10	4.980E-10	3.800E-10	2.370E-10	1.300E-09

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	5.320E-09	1.180E-08	1.380E-08	1.780E-08	3.370E-08	2.740E-08	6.090E-08	1.490E-08
2	402.30	9.230E-08	2.010E-07	2.360E-07	3.020E-07	5.710E-07	4.650E-07	1.030E-06	3.190E-07
3	804.70	3.170E-08	6.460E-08	7.540E-08	9.070E-08	1.700E-07	1.420E-07	3.050E-07	6.840E-08
4	1207.00	1.380E-08	2.800E-08	3.200E-08	3.830E-08	7.480E-08	5.830E-08	1.230E-07	3.010E-08
5	1609.40	9.980E-09	2.080E-08	2.360E-08	2.960E-08	6.240E-08	4.340E-08	9.370E-08	2.390E-08
6	2414.00	6.800E-09	1.430E-08	1.600E-08	2.150E-08	5.060E-08	2.920E-08	6.700E-08	1.760E-08
7	3218.70	5.460E-09	1.130E-08	1.240E-08	1.730E-08	4.220E-08	2.230E-08	5.370E-08	1.440E-08
8	4023.40	4.600E-09	9.390E-09	1.020E-08	1.450E-08	3.570E-08	1.820E-08	4.490E-08	1.260E-08
9	4828.10	3.980E-09	8.020E-09	8.630E-09	1.240E-08	3.060E-08	1.540E-08	3.850E-08	1.160E-08
10	5632.70	3.510E-09	7.000E-09	7.480E-09	1.090E-08	2.660E-08	1.330E-08	3.360E-08	1.070E-08
11	6437.40	3.140E-09	6.210E-09	6.600E-09	9.670E-09	2.340E-08	1.180E-08	2.980E-08	1.000E-08
12	7242.10	2.850E-09	5.590E-09	5.910E-09	8.710E-09	2.090E-08	1.060E-08	2.680E-08	9.290E-09
13	8046.80	2.610E-09	5.070E-09	5.350E-09	7.920E-09	1.880E-08	9.580E-09	2.430E-08	8.680E-09
14	12070.10	1.850E-09	3.470E-09	3.640E-09	5.420E-09	1.230E-08	6.550E-09	1.630E-08	6.500E-09
15	16093.49	1.450E-09	2.640E-09	2.780E-09	4.130E-09	9.080E-09	5.010E-09	1.220E-08	6.840E-09
16	24140.29	1.030E-09	1.790E-09	1.900E-09	2.790E-09	5.820E-09	3.420E-09	8.050E-09	4.430E-09
17	32187.00	8.190E-10	1.380E-09	1.460E-09	2.130E-09	4.280E-09	3.100E-09	7.740E-09	3.210E-09
18	40233.79	6.800E-10	1.110E-09	1.190E-09	2.200E-09	4.520E-09	2.510E-09	6.080E-09	2.460E-09
19	48280.48	5.750E-10	9.290E-10	9.990E-10	1.830E-09	3.690E-09	2.090E-09	4.960E-09	1.970E-09
20	56327.29	4.990E-10	7.970E-10	8.590E-10	1.560E-09	3.100E-09	1.790E-09	4.160E-09	1.610E-09
21	64373.99	9.900E-10	6.970E-10	7.530E-10	1.360E-09	2.660E-09	1.560E-09	3.570E-09	1.350E-09
22	72420.75	1.260E-09	6.190E-10	6.700E-10	1.200E-09	2.320E-09	1.370E-09	3.110E-09	1.150E-09
23	80467.44	1.080E-09	5.560E-10	6.030E-10	1.070E-09	2.040E-09	1.230E-09	2.740E-09	9.920E-10

TABLE 4.1-5
DEPLETED REACTIVE CONCENTRATIONS PER UNIT
EMISSION FOR MAIN STACK FOR

JANUARY - MARCH 1984

DEPOSITION FACTORS FOR THE MAIN STACK 1/1/84 - 3/31/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES 1/M**2							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	1.410E-10	2.200E-10	5.230E-10	3.720E-10	2.400E-10	6.800E-11	3.130E-11	4.590E-11
2	402.30	2.190E-09	2.470E-09	2.470E-09	1.710E-09	1.829E-09	6.500E-10	2.800E-10	7.850E-10
3	804.70	4.760E-10	4.220E-10	4.400E-10	3.050E-10	3.400E-10	1.450E-10	8.470E-11	2.520E-10
4	1207.00	2.610E-10	4.480E-10	1.830E-10	1.300E-10	1.420E-10	5.980E-11	4.270E-11	1.110E-10
5	1609.40	7.350E-10	1.240E-09	1.480E-10	1.060E-10	1.090E-10	4.470E-11	3.480E-11	8.310E-11
6	2414.00	1.050E-09	6.650E-10	1.080E-10	7.330E-11	7.550E-11	3.180E-11	2.600E-11	5.730E-11
7	3218.70	8.190E-10	4.430E-10	8.570E-11	5.570E-11	5.810E-11	2.580E-11	2.070E-11	4.580E-11
8	4023.40	6.090E-10	3.240E-10	7.150E-11	4.510E-11	4.770E-11	2.190E-11	1.700E-11	3.070E-11
9	4828.10	4.720E-10	2.480E-10	6.190E-11	3.810E-11	4.080E-11	1.910E-11	1.420E-11	3.360E-11
10	5632.70	3.820E-10	2.000E-10	5.460E-11	3.290E-11	3.600E-11	1.710E-11	1.220E-11	2.970E-11
11	6437.40	3.180E-10	1.660E-10	4.880E-11	2.900E-11	3.230E-11	1.550E-11	1.070E-11	2.670E-11
12	7242.10	2.720E-10	1.420E-10	4.390E-11	2.590E-11	2.930E-11	1.420E-11	9.510E-12	2.440E-11
13	8046.80	2.360E-10	1.230E-10	3.990E-11	2.330E-11	5.700E-11	1.490E-11	1.360E-11	2.240E-11
14	12070.10	1.370E-10	7.140E-11	2.720E-11	1.560E-11	3.700E-11	1.130E-11	1.140E-11	1.590E-11
15	16093.49	9.350E-11	4.870E-11	2.040E-11	1.160E-11	2.680E-11	9.120E-12	1.730E-11	9.950E-11
16	24140.29	5.420E-11	2.820E-11	1.340E-11	7.570E-12	1.680E-11	6.440E-12	1.220E-11	6.030E-11
17	32187.00	3.610E-11	1.890E-11	9.810E-12	5.660E-12	1.190E-11	6.710E-12	1.100E-11	4.140E-11
18	40233.79	2.600E-11	1.370E-11	7.650E-12	4.710E-12	9.020E-12	7.240E-12	9.130E-12	3.060E-11
19	48280.48	1.980E-11	1.050E-11	6.220E-12	3.800E-12	7.170E-12	4.430E-12	4.470E-12	2.370E-11
20	56327.29	1.560E-11	8.350E-12	5.420E-12	3.150E-12	5.430E-12	3.060E-12	3.240E-12	1.890E-11
21	64373.99	1.260E-11	6.790E-12	4.600E-12	2.580E-12	3.760E-12	2.400E-12	2.430E-12	1.540E-11
22	72420.75	1.030E-11	5.620E-12	3.960E-12	2.250E-12	3.030E-12	1.930E-12	1.870E-12	1.270E-11
23	80467.44	8.550E-12	4.730E-12	3.460E-12	1.970E-12	2.570E-12	1.580E-12	1.470E-12	1.070E-11

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES 1/M**2							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	3.860E-11	8.270E-11	9.920E-11	1.540E-10	3.180E-10	2.440E-10	1.300E-10	7.070E-11
2	402.30	6.670E-10	1.410E-09	1.690E-09	2.620E-09	5.380E-09	4.150E-09	2.210E-09	1.510E-09
3	804.70	2.240E-10	4.510E-10	5.250E-10	7.900E-10	1.600E-09	1.260E-09	6.520E-10	3.400E-10
4	1207.00	9.670E-11	1.950E-10	2.200E-10	3.340E-10	6.750E-10	5.210E-10	2.640E-10	1.690E-10
5	1609.40	7.030E-11	1.460E-10	1.640E-10	2.580E-10	5.190E-10	3.800E-10	2.010E-10	1.410E-10
6	2414.00	4.810E-11	1.010E-10	1.120E-10	1.870E-10	3.670E-10	2.600E-10	1.380E-10	1.070E-10
7	3218.70	3.860E-11	7.980E-11	8.760E-11	1.490E-10	2.880E-10	1.980E-10	1.070E-10	8.750E-11
8	4023.40	3.250E-11	6.670E-11	7.210E-11	1.250E-10	2.380E-10	1.610E-10	8.680E-11	7.460E-11
9	4828.10	2.820E-11	5.710E-11	6.120E-11	1.070E-10	2.020E-10	1.360E-10	7.310E-11	6.620E-11
10	5632.70	2.490E-11	5.000E-11	5.320E-11	9.330E-11	1.760E-10	1.180E-10	6.310E-11	5.960E-11
11	6437.40	2.230E-11	4.450E-11	4.710E-11	8.280E-11	1.560E-10	1.040E-10	5.560E-11	5.410E-11
12	7242.10	2.030E-11	4.010E-11	4.220E-11	7.430E-11	1.400E-10	9.300E-11	4.970E-11	4.930E-11
13	8046.80	1.860E-11	3.640E-11	3.830E-11	6.740E-11	1.270E-10	8.430E-11	4.490E-11	4.530E-11
14	12070.10	1.320E-11	2.500E-11	2.630E-11	4.560E-11	8.620E-11	5.760E-11	3.060E-11	3.220E-11
15	16093.49	1.030E-11	1.910E-11	2.020E-11	3.430E-11	6.520E-11	4.390E-11	2.340E-11	3.130E-11
16	24140.29	7.350E-12	1.300E-11	1.390E-11	2.280E-11	4.370E-11	2.990E-11	1.610E-11	1.990E-11
17	32187.00	5.830E-12	1.000E-11	1.080E-11	1.720E-11	3.300E-11	2.670E-11	2.210E-11	1.420E-11
18	40233.79	4.830E-12	8.130E-12	8.860E-12	1.650E-11	3.640E-11	2.160E-11	1.780E-11	1.080E-11
19	48280.48	4.080E-12	6.790E-12	7.450E-12	1.370E-11	3.000E-11	1.800E-11	1.470E-11	8.630E-12
20	56327.29	3.540E-12	5.830E-12	6.420E-12	1.160E-11	2.540E-11	1.540E-11	1.240E-11	7.070E-12
21	64373.99	6.850E-12	5.100E-12	5.650E-12	1.010E-11	2.190E-11	1.340E-11	1.070E-11	5.910E-12
22	72420.75	8.670E-12	4.530E-12	5.040E-12	8.850E-12	1.920E-11	1.180E-11	9.310E-12	5.030E-12
23	80467.44	7.410E-12	4.070E-12	4.540E-12	7.880E-12	1.700E-11	1.050E-11	8.220E-12	4.330E-12

TABLE 4.1-6
 RELATIVE DEPOSITION CONCENTRATIONS PER UNIT
 EMISSION FOR MAIN STACK FOR
 JANUARY - MARCH 1984

UNDEPLETED X/Q FOR THE REACTOR BUILDING VENT 4/1/84 - 6/30/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	3.460E-05	1.610E-05	1.670E-05	2.080E-05	2.400E-05	9.330E-06	4.610E-06	2.570E-05
2	402.30	9.440E-06	4.100E-06	4.580E-06	5.630E-06	6.490E-06	2.480E-06	1.080E-06	7.330E-06
3	804.70	2.500E-06	9.870E-07	1.220E-06	1.500E-06	1.700E-06	6.450E-07	2.210E-07	2.110E-06
4	1207.00	1.220E-06	4.700E-07	5.980E-07	7.510E-07	8.420E-07	3.140E-07	1.020E-07	1.100E-06
5	1609.40	7.670E-07	3.050E-07	3.770E-07	4.850E-07	5.400E-07	2.010E-07	6.970E-08	7.090E-07
6	2414.00	4.620E-07	1.840E-07	2.270E-07	2.870E-07	3.220E-07	1.190E-07	4.220E-08	4.150E-07
7	3218.70	3.270E-07	1.300E-07	1.610E-07	2.000E-07	2.260E-07	8.310E-08	2.980E-08	2.860E-07
8	4023.40	2.480E-07	9.960E-08	1.220E-07	1.510E-07	1.710E-07	6.280E-08	2.290E-08	2.130E-07
9	4828.10	1.970E-07	7.950E-08	9.700E-08	1.190E-07	1.350E-07	4.970E-08	1.850E-08	1.670E-07
10	5632.70	1.620E-07	6.580E-08	7.980E-08	9.770E-08	1.110E-07	4.080E-08	1.540E-08	1.370E-07
11	6437.40	1.370E-07	5.590E-08	6.750E-08	8.250E-08	9.400E-08	3.450E-08	1.320E-08	1.150E-07
12	7242.10	1.190E-07	4.860E-08	5.840E-08	7.120E-08	8.120E-08	2.980E-08	1.150E-08	9.080E-08
13	8046.80	1.040E-07	4.280E-08	5.140E-08	6.250E-08	7.140E-08	2.610E-08	1.020E-08	8.630E-08
14	12070.10	6.360E-08	2.640E-08	3.120E-08	3.790E-08	4.340E-08	1.590E-08	6.450E-09	5.180E-08
15	16093.49	4.510E-08	1.890E-08	2.210E-08	2.680E-08	3.080E-08	1.130E-08	4.690E-09	3.630E-08
16	24140.29	2.820E-08	1.190E-08	1.380E-08	1.660E-08	1.910E-08	7.010E-09	3.010E-09	2.220E-08
17	32187.00	2.010E-08	8.620E-09	9.850E-09	1.180E-08	1.370E-08	5.020E-09	2.200E-09	1.560E-08
18	40233.79	1.560E-08	6.720E-09	7.620E-09	9.150E-09	1.060E-08	3.890E-09	1.730E-09	1.200E-08
19	48280.48	1.270E-08	5.510E-09	6.230E-09	7.460E-09	8.630E-09	3.180E-09	1.430E-09	9.700E-09
20	56327.29	1.070E-08	4.660E-09	5.240E-09	6.270E-09	7.260E-09	2.680E-09	1.220E-09	8.120E-09
21	64373.99	9.250E-09	4.030E-09	4.520E-09	5.390E-09	6.250E-09	2.310E-09	1.060E-09	6.950E-09
22	72420.75	8.110E-09	3.550E-09	3.960E-09	4.720E-09	5.480E-09	2.030E-09	9.330E-10	6.050E-09
23	80467.44	7.210E-09	3.160E-09	3.520E-09	4.190E-09	4.870E-09	1.800E-09	8.350E-10	5.350E-09

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	3.100E-05	6.550E-05	9.560E-05	8.060E-05	3.920E-05	5.360E-05	3.940E-05	1.860E-05
2	402.30	8.710E-06	1.830E-06	2.710E-06	2.300E-06	1.100E-06	1.520E-06	1.120E-06	5.080E-06
3	804.70	2.460E-06	5.120E-06	7.890E-06	6.580E-06	3.120E-06	4.300E-06	3.210E-06	1.390E-06
4	1207.00	1.220E-06	2.570E-06	3.970E-06	3.280E-06	1.560E-06	2.150E-06	1.620E-06	6.910E-07
5	1609.40	7.610E-07	1.630E-06	2.490E-06	2.060E-06	9.840E-07	1.360E-06	1.030E-06	4.410E-07
6	2414.00	4.530E-07	9.620E-07	1.470E-06	1.230E-06	5.800E-07	8.070E-07	6.060E-07	2.600E-07
7	3218.70	3.190E-07	6.700E-07	1.020E-06	8.600E-07	4.040E-07	5.650E-07	4.210E-07	1.810E-07
8	4023.40	2.410E-07	5.050E-07	7.710E-07	6.500E-07	3.040E-07	4.270E-07	3.170E-07	1.360E-07
9	4828.10	1.900E-07	3.980E-07	6.070E-07	5.120E-07	2.390E-07	3.370E-07	2.490E-07	1.070E-07
10	5632.70	1.560E-07	3.260E-07	4.970E-07	4.200E-07	1.950E-07	2.760E-07	2.040E-07	8.790E-08
11	6437.40	1.310E-07	2.750E-07	4.180E-07	3.530E-07	1.640E-07	2.320E-07	1.710E-07	7.410E-08
12	7242.10	1.130E-07	2.370E-07	3.600E-07	3.050E-07	1.420E-07	2.000E-07	1.480E-07	6.380E-08
13	8046.80	9.940E-08	2.070E-07	3.150E-07	2.670E-07	1.240E-07	1.760E-07	1.290E-07	5.590E-08
14	12070.10	5.990E-08	1.250E-07	1.880E-07	1.610E-07	7.460E-08	1.060E-07	7.760E-08	3.380E-08
15	16093.49	4.220E-08	8.790E-08	1.320E-07	1.130E-07	5.240E-08	7.440E-08	5.450E-08	2.380E-08
16	24140.29	2.610E-08	5.430E-08	8.140E-08	6.980E-08	3.220E-08	4.590E-08	3.350E-08	1.470E-08
17	32187.00	1.850E-08	3.850E-08	5.750E-08	4.950E-08	2.280E-08	3.260E-08	2.370E-08	1.050E-08
18	40233.79	1.430E-08	2.960E-08	4.420E-08	3.810E-08	1.760E-08	2.510E-08	1.820E-08	8.570E-09
19	48280.48	1.170E-08	2.410E-08	3.600E-08	3.100E-08	1.430E-08	2.040E-08	1.480E-08	6.580E-09
20	56327.29	9.800E-09	2.030E-08	3.020E-08	2.600E-08	1.200E-08	1.710E-08	1.240E-08	5.530E-09
21	64373.99	8.430E-09	1.740E-08	2.590E-08	2.230E-08	1.030E-08	1.470E-08	1.060E-08	4.760E-09
22	72420.75	7.380E-09	1.520E-08	2.270E-08	1.950E-08	9.000E-09	1.290E-08	9.300E-09	4.160E-09
23	80467.44	6.550E-09	1.350E-08	2.010E-08	1.730E-08	7.980E-09	1.140E-08	8.240E-09	3.700E-09

TABLE 4.1-7
UNDEPLETED RELATIVE CONCENTRATIONS PER UNIT
EMISSION FOR REACTOR BUILDING VENT FOR
APRIL - JUNE 1984

DEPLETED X/Q FOR THE REACTOR BUILDING VENT 4/1/84 - 6/30/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	3.180E-05	1.510E-05	1.520E-05	1.940E-05	2.220E-05	8.740E-06	4.490E-06	2.350E-05
2	402.30	8.380E-06	3.760E-06	4.040E-06	5.080E-06	5.820E-06	2.260E-06	1.040E-06	6.500E-06
3	804.70	2.110E-06	8.630E-07	1.030E-06	1.290E-06	1.460E-06	5.640E-07	2.060E-07	1.800E-06
4	1207.00	9.990E-07	4.000E-07	4.880E-07	6.340E-07	7.040E-07	2.580E-07	9.340E-08	9.180E-07
5	1609.40	6.200E-07	2.570E-07	3.020E-07	4.040E-07	4.450E-07	1.700E-07	6.380E-08	5.830E-07
6	2414.00	3.610E-07	1.520E-07	1.760E-07	2.330E-07	2.590E-07	9.790E-08	3.830E-08	3.300E-07
7	3218.70	2.480E-07	1.050E-07	1.210E-07	1.570E-07	1.760E-07	6.680E-08	2.690E-08	2.200E-07
8	4023.40	1.840E-07	7.890E-08	8.950E-08	1.160E-07	1.300E-07	4.940E-08	2.050E-08	1.590E-07
9	4828.10	1.420E-07	6.200E-08	6.910E-08	8.960E-08	1.000E-07	3.830E-08	1.640E-08	1.220E-07
10	5632.70	1.140E-07	5.060E-08	5.550E-08	7.210E-08	8.090E-08	3.090E-08	1.370E-08	9.710E-08
11	6437.40	9.460E-08	4.240E-08	4.580E-08	5.970E-08	6.700E-08	2.570E-08	1.170E-08	7.970E-08
12	7242.10	8.020E-08	3.630E-08	3.880E-08	5.060E-08	5.680E-08	2.190E-08	1.010E-08	6.700E-08
13	8046.80	6.910E-08	3.160E-08	3.340E-08	4.370E-08	4.900E-08	1.890E-08	8.930E-09	5.730E-08
14	12070.10	3.840E-08	1.840E-08	1.840E-08	2.450E-08	2.750E-08	1.080E-08	5.540E-09	3.100E-08
15	16093.49	2.510E-08	1.260E-08	1.190E-08	1.620E-08	1.810E-08	7.220E-09	3.970E-09	1.990E-08
16	24140.29	1.360E-08	7.320E-09	6.370E-09	8.940E-09	9.960E-09	4.070E-09	2.490E-09	1.030E-08
17	32187.00	8.590E-09	4.950E-09	3.970E-09	5.770E-09	6.410E-09	2.690E-09	1.780E-09	6.260E-09
18	40233.79	5.980E-09	3.660E-09	2.730E-09	4.090E-09	4.530E-09	1.950E-09	1.380E-09	4.190E-09
19	48280.48	4.440E-09	2.860E-09	2.000E-09	3.090E-09	3.410E-09	1.510E-09	1.120E-09	3.000E-09
20	56327.29	3.440E-09	2.320E-09	1.530E-09	2.430E-09	2.670E-09	1.210E-09	9.360E-10	2.230E-09
21	64373.99	2.760E-09	1.940E-09	1.210E-09	1.970E-09	2.160E-09	9.950E-10	8.010E-10	1.710E-09
22	72420.75	2.260E-09	1.650E-09	9.830E-10	1.630E-09	1.800E-09	8.410E-10	6.980E-10	1.340E-09
23	80467.44	1.900E-09	1.440E-09	8.170E-10	1.380E-09	1.520E-09	7.240E-10	6.170E-10	1.080E-09

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3									
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5		
1	201.20	2.820E-05	6.000E-05	8.690E-05	7.280E-05	3.590E-05	4.870E-05	3.590E-05	1.720E-05		
2	402.30	7.640E-06	1.620E-05	2.380E-05	2.010E-05	9.800E-06	1.330E-05	9.870E-06	4.570E-06		
3	804.70	2.070E-06	4.360E-06	6.670E-06	5.490E-06	2.660E-06	3.610E-06	2.720E-06	1.200E-06		
4	1207.00	9.960E-07	2.130E-06	3.270E-06	2.670E-06	1.300E-06	1.760E-06	1.340E-06	5.830E-07		
5	1609.40	6.120E-07	1.330E-06	2.020E-06	1.640E-06	8.050E-07	1.090E-06	8.320E-07	3.670E-07		
6	2414.00	3.510E-07	7.600E-07	1.150E-06	9.480E-07	4.590E-07	6.250E-07	4.740E-07	2.100E-07		
7	3218.70	2.390E-07	5.130E-07	7.740E-07	6.370E-07	3.090E-07	4.240E-07	3.190E-07	1.420E-07		
8	4023.40	1.750E-07	3.760E-07	5.650E-07	4.660E-07	2.260E-07	3.100E-07	2.330E-07	1.040E-07		
9	4828.10	1.350E-07	2.890E-07	4.330E-07	3.570E-07	1.730E-07	2.380E-07	1.780E-07	8.030E-08		
10	5632.70	1.070E-07	2.310E-07	3.450E-07	2.840E-07	1.380E-07	1.900E-07	1.420E-07	6.450E-08		
11	6437.40	8.830E-08	1.900E-07	2.830E-07	2.330E-07	1.140E-07	1.560E-07	1.160E-07	5.330E-08		
12	7242.10	7.430E-08	1.600E-07	2.370E-07	1.950E-07	9.560E-08	1.310E-07	9.790E-08	4.500E-08		
13	8046.80	6.360E-08	1.370E-07	2.030E-07	1.670E-07	8.190E-08	1.120E-07	8.370E-08	3.870E-08		
14	12070.10	3.440E-08	7.500E-08	1.090E-07	8.930E-08	4.460E-08	6.040E-08	4.520E-08	2.160E-08		
15	16093.49	2.200E-08	4.840E-08	6.930E-08	5.640E-08	2.870E-08	3.850E-08	2.880E-08	1.420E-08		
16	24140.29	1.140E-08	2.560E-08	3.570E-08	2.860E-08	1.510E-08	1.980E-08	1.480E-08	7.720E-09		
17	32187.00	6.940E-09	1.590E-08	2.150E-08	1.690E-08	9.280E-09	1.190E-08	8.980E-09	4.950E-09		
18	40233.79	4.650E-09	1.090E-08	1.430E-08	1.100E-08	6.310E-09	7.920E-09	5.980E-09	3.490E-09		
19	48280.48	3.330E-09	7.930E-09	1.030E-08	7.670E-09	4.590E-09	5.620E-09	4.260E-09	2.620E-09		
20	56327.29	2.480E-09	6.030E-09	7.510E-09	5.550E-09	3.480E-09	4.150E-09	3.160E-09	2.050E-09		
21	64373.99	1.920E-09	4.740E-09	5.740E-09	4.140E-09	2.720E-09	3.160E-09	2.420E-09	1.650E-09		
22	72420.75	1.520E-09	3.820E-09	4.500E-09	3.170E-09	2.190E-09	2.400E-09	1.900E-09	1.370E-09		
23	80467.44	1.230E-09	3.160E-09	3.610E-09	2.480E-09	1.800E-09	1.980E-09	1.530E-09	1.160E-09		

DEPLETED RELATIVE CONCENTRATIONS PER UNIT
 EMISSION FOR MAIN STACK FOR
 APRIL - JUNE 1984
 TABLE 4.1-8

DEPOSITION FACTORS FOR THE REACTOR BUILDING VENT 4/1/84 - 6/30/84

RECPT NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES 1/M**2							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	6.430E-08	4.910E-08	3.500E-08	3.400E-08	4.270E-08	1.830E-08	1.680E-08	3.950E-08
2	402.30	1.650E-08	1.190E-08	9.140E-09	8.810E-09	1.110E-08	4.530E-09	3.950E-09	1.070E-08
3	804.70	4.010E-09	2.580E-09	2.250E-09	2.210E-09	2.730E-09	1.030E-09	8.040E-10	2.920E-09
4	1207.00	1.890E-09	1.180E-09	1.070E-09	1.100E-09	1.310E-09	4.800E-10	3.650E-10	1.450E-09
5	1609.40	1.190E-09	7.710E-10	6.730E-10	7.120E-10	8.340E-10	3.120E-10	2.460E-10	9.080E-10
6	2414.00	6.950E-10	4.600E-10	3.940E-10	4.070E-10	4.850E-10	1.820E-10	1.470E-10	5.170E-10
7	3218.70	4.790E-10	3.210E-10	2.700E-10	2.740E-10	3.310E-10	1.250E-10	1.030E-10	3.470E-10
8	4023.40	3.560E-10	2.420E-10	2.000E-10	2.020E-10	2.450E-10	9.380E-11	7.840E-11	2.540E-10
9	4828.10	2.770E-10	1.920E-10	1.550E-10	1.560E-10	1.900E-10	7.370E-11	6.270E-11	1.950E-10
10	5632.70	2.240E-10	1.580E-10	1.250E-10	1.260E-10	1.530E-10	6.020E-11	5.200E-11	1.560E-10
11	6437.40	1.870E-10	1.330E-10	1.040E-10	1.050E-10	1.270E-10	5.050E-11	4.420E-11	1.280E-10
12	7242.10	1.590E-10	1.140E-10	8.810E-11	8.920E-11	1.080E-10	4.330E-11	3.830E-11	1.080E-10
13	8046.80	1.370E-10	1.000E-10	7.600E-11	7.710E-11	9.360E-11	3.780E-11	3.370E-11	9.240E-11
14	12070.10	7.820E-11	5.960E-11	4.260E-11	4.400E-11	5.300E-11	2.240E-11	2.070E-11	5.040E-11
15	16093.49	5.220E-11	4.140E-11	2.810E-11	2.950E-11	3.530E-11	1.550E-11	1.470E-11	3.250E-11
16	24140.29	2.930E-11	2.480E-11	1.540E-11	1.670E-11	1.960E-11	9.190E-12	9.080E-12	1.720E-11
17	32187.00	1.930E-11	1.720E-11	9.830E-12	1.100E-11	1.280E-11	6.350E-12	6.460E-12	1.060E-11
18	40233.79	1.390E-11	1.290E-11	6.920E-12	7.980E-12	9.130E-12	4.770E-12	4.960E-12	7.250E-12
19	48280.48	1.060E-11	1.020E-11	5.180E-12	6.130E-12	6.940E-12	3.780E-12	3.990E-12	5.280E-12
20	56327.29	8.430E-12	8.410E-12	4.050E-12	4.890E-12	5.490E-12	3.100E-12	3.330E-12	4.010E-12
21	64373.99	6.920E-12	7.090E-12	3.260E-12	4.020E-12	4.470E-12	2.620E-12	2.840E-12	3.140E-12
22	72420.75	5.820E-12	6.110E-12	2.700E-12	3.390E-12	3.740E-12	2.250E-12	2.470E-12	2.530E-12
23	80467.44	4.980E-12	5.350E-12	2.280E-12	2.900E-12	3.190E-12	1.970E-12	2.180E-12	2.080E-12

RECPT NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES 1/M**2							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	4.640E-08	1.720E-07	2.020E-07	8.530E-08	6.650E-08	6.810E-08	4.670E-08	3.980E-08
2	402.30	1.240E-08	4.570E-08	5.480E-08	2.310E-08	1.770E-08	1.810E-08	1.260E-08	1.060E-08
3	804.70	3.310E-09	1.190E-08	1.470E-08	6.220E-09	4.540E-09	4.740E-09	3.440E-09	2.770E-09
4	1207.00	1.600E-09	5.780E-09	7.150E-09	2.990E-09	2.190E-09	2.300E-09	1.710E-09	1.350E-09
5	1609.40	9.990E-10	3.630E-09	4.430E-09	1.840E-09	1.370E-09	1.440E-09	1.080E-09	8.490E-10
6	2414.00	5.710E-10	2.080E-09	2.540E-09	1.060E-09	7.930E-10	8.270E-10	6.120E-10	4.850E-10
7	3218.70	3.870E-10	1.410E-09	1.730E-09	7.190E-10	5.410E-10	5.620E-10	4.100E-10	3.280E-10
8	4023.40	2.840E-10	1.040E-09	1.270E-09	5.270E-10	3.980E-10	4.130E-10	2.990E-10	2.410E-10
9	4828.10	2.180E-10	8.010E-10	9.720E-10	4.050E-10	3.070E-10	3.180E-10	2.290E-10	1.860E-10
10	5632.70	1.750E-10	6.430E-10	7.770E-10	3.260E-10	2.470E-10	2.550E-10	1.830E-10	1.490E-10
11	6437.40	1.440E-10	5.310E-10	6.390E-10	2.660E-10	2.040E-10	2.110E-10	1.510E-10	1.230E-10
12	7242.10	1.220E-10	4.490E-10	5.380E-10	2.240E-10	1.720E-10	1.780E-10	1.270E-10	1.040E-10
13	8046.80	1.040E-10	3.870E-10	4.610E-10	1.920E-10	1.480E-10	1.530E-10	1.090E-10	8.960E-11
14	12070.10	5.740E-11	2.150E-10	2.500E-10	1.040E-10	8.200E-11	8.450E-11	6.020E-11	4.990E-11
15	16093.49	3.730E-11	1.410E-10	1.610E-10	6.670E-11	5.340E-11	5.510E-11	3.910E-11	3.260E-11
16	24140.29	2.000E-11	7.640E-11	8.380E-11	3.480E-11	2.870E-11	2.960E-11	2.090E-11	1.780E-11
17	32187.00	1.260E-11	4.870E-11	5.130E-11	2.130E-11	1.800E-11	1.860E-11	1.320E-11	1.140E-11
18	40233.79	8.730E-12	3.410E-11	3.450E-11	1.440E-11	1.250E-11	1.290E-11	9.150E-12	8.040E-12
19	48280.48	6.460E-12	2.550E-11	2.490E-11	1.030E-11	9.200E-12	9.550E-12	6.770E-12	6.030E-12
20	56327.29	4.980E-12	1.980E-11	1.870E-11	7.760E-12	7.080E-12	7.360E-12	5.220E-12	4.720E-12
21	64373.99	3.960E-12	1.590E-11	1.450E-11	6.020E-12	5.630E-12	5.860E-12	4.160E-12	3.800E-12
22	72420.75	3.240E-12	1.310E-11	1.150E-11	4.810E-12	4.600E-12	4.790E-12	3.400E-12	3.150E-12
23	80467.44	2.710E-12	1.110E-11	9.390E-12	3.920E-12	3.840E-12	4.000E-12	2.830E-12	2.660E-12

TABLE 4.1-9
RELATIVE DEPOSITION CONCENTRATIONS PER UNIT
EMISSION FOR REACTOR BUILDING VENT FOR
APRIL - JUNE 1984

UNDEPLETED X/Q FOR THE MAIN STACK 4/1/84 - 6/30/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	1.080E-07	3.470E-08	9.780E-08	5.470E-08	3.580E-08	2.230E-08	3.160E-08	3.690E-09
2	402.30	1.650E-06	3.910E-07	4.630E-07	2.520E-07	2.710E-07	2.030E-07	2.820E-07	6.250E-08
3	804.70	4.050E-07	6.380E-08	8.090E-08	4.820E-08	5.010E-08	4.100E-08	7.440E-08	1.830E-08
4	1207.00	2.380E-07	9.280E-08	3.190E-08	4.060E-08	2.160E-08	1.750E-08	3.050E-08	7.460E-09
5	1609.40	4.110E-07	4.440E-07	2.710E-08	4.850E-08	1.830E-08	1.390E-08	2.350E-08	5.700E-09
6	2414.00	4.440E-07	2.370E-07	2.620E-08	4.250E-08	1.520E-08	9.970E-09	1.670E-08	4.280E-09
7	3218.70	3.310E-07	1.580E-07	2.640E-08	3.830E-08	1.350E-08	7.680E-09	1.310E-08	3.670E-09
8	4023.40	2.450E-07	1.150E-07	2.660E-08	3.580E-08	1.220E-08	6.210E-09	1.100E-08	3.240E-09
9	4828.10	1.910E-07	8.770E-08	2.700E-08	3.460E-08	1.130E-08	5.240E-09	9.460E-09	2.890E-09
10	5632.70	1.550E-07	7.020E-08	2.650E-08	3.290E-08	1.060E-08	4.550E-09	8.380E-09	2.610E-09
11	6437.40	1.300E-07	5.820E-08	2.550E-08	3.090E-08	9.930E-09	4.060E-09	7.540E-09	2.380E-09
12	7242.10	1.110E-07	4.970E-08	2.410E-08	2.880E-08	9.340E-09	3.670E-09	6.870E-09	2.190E-09
13	8046.80	9.710E-08	4.320E-08	2.280E-08	2.690E-08	2.880E-08	3.670E-09	9.330E-09	2.020E-09
14	12070.10	5.790E-08	2.530E-08	1.750E-08	2.000E-08	1.870E-08	2.740E-09	7.000E-09	1.480E-09
15	16093.49	4.060E-08	1.760E-08	1.390E-08	1.560E-08	1.360E-08	2.200E-09	7.880E-09	1.140E-08
16	24140.29	2.490E-08	1.080E-08	9.600E-09	1.060E-08	8.670E-09	1.570E-09	5.410E-09	7.230E-09
17	32187.00	1.770E-08	7.620E-09	7.330E-09	8.600E-09	6.290E-09	1.670E-09	4.590E-09	5.220E-09
18	40233.79	1.360E-08	5.860E-09	5.890E-09	9.920E-09	4.900E-09	2.000E-09	3.830E-09	4.060E-09
19	48280.48	1.110E-08	4.770E-09	4.910E-09	8.070E-09	4.010E-09	1.810E-09	4.430E-09	3.320E-09
20	56327.29	9.000E-09	4.010E-09	4.960E-09	6.770E-09	3.980E-09	1.520E-09	3.710E-09	2.800E-09
21	64373.99	7.990E-09	3.450E-09	4.300E-09	5.810E-09	3.410E-09	1.310E-09	3.190E-09	2.410E-09
22	72420.75	6.990E-09	3.010E-09	3.800E-09	5.250E-09	2.970E-09	1.150E-09	2.780E-09	2.120E-09
23	80467.44	6.200E-09	2.670E-09	3.400E-09	4.650E-09	2.630E-09	1.020E-09	2.460E-09	1.880E-09

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		N - (9) 00.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	1.200E-08	2.930E-08	1.150E-08	8.580E-09	1.070E-08	9.280E-09	5.430E-09	9.520E-09
2	402.30	2.080E-07	4.960E-07	1.950E-07	1.460E-07	1.810E-07	1.570E-07	9.200E-08	2.040E-07
3	804.70	6.400E-08	1.470E-07	5.820E-08	4.510E-08	5.300E-08	4.640E-08	2.720E-08	4.880E-08
4	1207.00	2.830E-08	6.060E-08	2.490E-08	1.870E-08	2.150E-08	1.910E-08	1.100E-08	2.670E-08
5	1609.40	2.180E-08	4.660E-08	1.970E-08	1.400E-08	1.620E-08	1.490E-08	8.490E-09	2.240E-08
6	2414.00	1.520E-08	3.390E-08	1.520E-08	1.000E-08	1.110E-08	1.080E-08	6.350E-09	1.740E-08
7	3218.70	1.190E-08	2.760E-08	1.280E-08	8.380E-09	8.560E-09	8.620E-09	5.330E-09	1.450E-08
8	4023.40	9.850E-09	2.340E-08	1.110E-08	7.280E-09	7.040E-09	7.170E-09	4.620E-09	1.280E-08
9	4828.10	8.430E-09	2.030E-08	9.690E-09	6.400E-09	6.000E-09	6.130E-09	4.060E-09	1.170E-08
10	5632.70	7.400E-09	1.790E-08	8.580E-09	5.710E-09	5.250E-09	5.350E-09	3.630E-09	1.080E-08
11	6437.40	6.620E-09	1.610E-08	7.690E-09	5.160E-09	4.680E-09	4.740E-09	3.280E-09	9.990E-09
12	7242.10	5.990E-09	1.460E-08	6.960E-09	4.710E-09	4.230E-09	4.260E-09	3.000E-09	9.250E-09
13	8046.80	5.480E-09	1.330E-08	6.340E-09	4.320E-09	3.860E-09	3.870E-09	2.760E-09	8.610E-09
14	12070.10	3.870E-09	9.340E-09	4.380E-09	3.020E-09	2.710E-09	2.650E-09	1.960E-09	6.400E-09
15	16093.49	3.040E-09	7.210E-09	3.350E-09	2.310E-09	2.110E-09	2.030E-09	1.540E-09	6.820E-09
16	24140.29	2.150E-09	4.970E-09	2.290E-09	1.570E-09	1.480E-09	1.380E-09	1.080E-09	4.480E-09
17	32187.00	1.700E-09	3.850E-09	1.770E-09	1.190E-09	1.170E-09	1.310E-09	1.620E-09	3.320E-09
18	40233.79	1.410E-09	3.140E-09	1.450E-09	1.150E-09	1.570E-09	1.080E-09	1.310E-09	2.620E-09
19	48280.48	1.200E-09	2.650E-09	1.230E-09	9.640E-10	1.330E-09	9.080E-10	1.100E-09	2.160E-09
20	56327.29	1.050E-09	2.290E-09	1.070E-09	8.310E-10	1.160E-09	7.870E-10	9.460E-10	1.840E-09
21	64373.99	1.770E-09	2.030E-09	9.470E-10	7.300E-10	1.030E-09	6.950E-10	8.300E-10	1.590E-09
22	72420.75	2.370E-09	1.820E-09	8.530E-10	6.520E-10	9.230E-10	6.240E-10	7.400E-10	1.410E-09
23	80467.44	2.120E-09	1.650E-09	7.770E-10	5.890E-10	8.380E-10	5.660E-10	6.670E-10	1.260E-09

UNDEPLETED RELATIVE CONCENTRATIONS PER UNIT
EMISSION FOR MAIN STACK FOR
APRIL - JUNE 1984

TABLE 4.1-10

DEPLETED X/Q FOR THE MAIN STACK 4/1/84 - 6/30/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	1.080E-07	3.470E-08	9.780E-08	5.470E-08	3.580E-08	2.230E-08	3.160E-08	3.690E-09
2	402.30	1.640E-06	3.910E-07	4.620E-07	2.520E-07	2.710E-07	2.030E-07	2.820E-07	6.240E-08
3	804.70	4.040E-07	6.360E-08	8.060E-08	4.800E-08	4.990E-08	4.090E-08	7.420E-08	1.830E-08
4	1207.00	2.370E-07	9.270E-08	3.170E-08	4.050E-08	2.160E-08	1.740E-08	3.040E-08	7.430E-09
5	1609.40	4.110E-07	4.440E-07	2.700E-08	4.840E-08	1.820E-08	1.390E-08	2.340E-08	5.680E-09
6	2414.00	4.430E-07	2.370E-07	2.610E-08	4.230E-08	1.510E-08	9.920E-09	1.660E-08	4.260E-09
7	3218.70	3.300E-07	1.580E-07	2.630E-08	3.810E-08	1.350E-08	7.630E-09	1.300E-08	3.650E-09
8	4023.40	2.440E-07	1.150E-07	2.650E-08	3.550E-08	1.220E-08	6.160E-09	1.090E-08	3.220E-09
9	4828.10	1.890E-07	2.740E-08	2.690E-08	3.430E-08	1.120E-08	5.180E-09	9.390E-09	2.860E-09
10	5632.70	1.530E-07	6.980E-08	2.640E-08	3.260E-08	1.050E-08	4.500E-09	8.300E-09	2.580E-09
11	6437.40	1.280E-07	5.770E-08	2.540E-08	3.060E-08	9.820E-09	4.000E-09	7.460E-09	2.350E-09
12	7242.10	1.090E-07	4.910E-08	2.400E-08	2.850E-08	9.220E-09	3.610E-09	6.790E-09	2.160E-09
13	8046.80	9.480E-08	4.250E-08	2.270E-08	2.660E-08	2.820E-08	3.610E-09	9.200E-09	1.990E-09
14	12070.10	5.530E-08	2.430E-08	1.730E-08	1.960E-08	1.820E-08	2.680E-09	6.840E-09	1.440E-09
15	16093.49	3.780E-08	1.640E-08	1.360E-08	1.510E-08	1.300E-08	2.140E-09	7.600E-09	1.100E-08
16	24140.29	2.200E-08	9.350E-09	9.160E-09	9.970E-09	7.930E-09	1.510E-09	5.070E-09	6.630E-09
17	32187.00	1.480E-08	6.150E-09	6.780E-09	7.790E-09	5.490E-09	1.560E-09	4.150E-09	4.560E-09
18	40233.79	1.080E-08	4.380E-09	5.270E-09	7.750E-09	4.070E-09	1.690E-09	3.320E-09	3.350E-09
19	48280.48	8.280E-09	3.300E-09	4.230E-09	5.880E-09	3.170E-09	1.060E-09	1.870E-09	2.590E-09
20	56327.29	6.580E-09	2.570E-09	3.940E-09	4.610E-09	2.250E-09	7.440E-10	1.430E-09	2.070E-09
21	64373.99	5.360E-09	2.050E-09	3.250E-09	3.690E-09	1.350E-09	5.910E-10	1.130E-09	1.680E-09
22	72420.75	4.450E-09	1.660E-09	2.740E-09	2.550E-09	1.010E-09	4.810E-10	9.130E-10	1.390E-09
23	80467.44	3.750E-09	1.370E-09	2.330E-09	2.070E-09	8.110E-10	3.990E-10	7.560E-10	1.160E-09

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES SEC/M**3							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	1.230E-08	2.930E-08	1.150E-08	8.580E-09	1.070E-08	9.280E-09	5.430E-09	9.520E-09
2	402.30	1.080E-07	4.960E-07	1.950E-07	1.460E-07	1.810E-07	1.570E-07	9.190E-08	2.040E-07
3	804.70	6.380E-08	1.470E-07	5.800E-08	4.500E-08	5.290E-08	4.620E-08	2.720E-08	4.870E-08
4	1207.00	2.820E-08	6.040E-08	2.480E-08	1.870E-08	2.150E-08	1.900E-08	1.100E-08	2.660E-08
5	1609.40	2.170E-08	4.650E-08	1.960E-08	1.390E-08	1.610E-08	1.480E-08	8.450E-09	2.240E-08
6	2414.00	1.510E-08	3.380E-08	1.520E-08	9.980E-09	1.100E-08	1.080E-08	6.330E-09	1.730E-08
7	3218.70	1.180E-08	2.740E-08	1.280E-08	8.340E-09	8.510E-09	8.570E-09	5.300E-09	1.440E-08
8	4023.40	9.780E-09	2.320E-08	1.100E-08	7.230E-09	7.000E-09	7.120E-09	4.590E-09	1.260E-08
9	4828.10	8.360E-09	2.010E-08	9.600E-09	6.350E-09	5.960E-09	6.080E-09	4.030E-09	1.150E-08
10	5632.70	7.330E-09	1.780E-08	8.490E-09	5.660E-09	5.210E-09	5.290E-09	3.590E-09	1.070E-08
11	6437.40	6.540E-09	1.590E-08	7.580E-09	5.100E-09	4.640E-09	4.690E-09	3.240E-09	9.870E-09
12	7242.10	5.920E-09	1.440E-08	6.850E-09	4.650E-09	4.180E-09	4.200E-09	2.960E-09	9.120E-09
13	8046.80	5.400E-09	1.310E-08	6.230E-09	4.250E-09	3.810E-09	3.810E-09	2.710E-09	8.480E-09
14	12070.10	3.790E-09	9.110E-09	4.240E-09	2.940E-09	2.660E-09	2.590E-09	1.910E-09	6.250E-09
15	16093.49	2.940E-09	6.970E-09	3.210E-09	2.220E-09	2.050E-09	1.960E-09	1.480E-09	6.580E-09
16	24140.29	2.050E-09	4.720E-09	2.150E-09	1.470E-09	1.420E-09	1.320E-09	1.020E-09	4.190E-09
17	32187.00	1.590E-09	3.580E-09	1.640E-09	1.100E-09	1.100E-09	1.230E-09	1.480E-09	3.000E-09
18	40233.79	1.300E-09	2.870E-09	1.320E-09	1.030E-09	1.450E-09	9.920E-10	1.170E-09	2.280E-09
19	48280.48	1.090E-09	2.380E-09	1.100E-09	8.490E-10	1.200E-09	8.240E-10	9.530E-10	1.810E-09
20	56327.29	9.320E-10	2.020E-09	9.400E-10	7.170E-10	1.030E-09	7.020E-10	7.970E-10	1.470E-09
21	64373.99	1.480E-09	1.760E-09	8.200E-10	6.180E-10	8.890E-10	6.100E-10	6.790E-10	1.220E-09
22	72420.75	1.750E-09	1.550E-09	7.280E-10	5.420E-10	7.820E-10	5.370E-10	5.880E-10	1.030E-09
23	80467.44	1.500E-09	1.380E-09	6.540E-10	4.800E-10	6.940E-10	4.790E-10	5.140E-10	8.860E-10

TABLE 4.1-11
DEPLETED RELATIVE CONCENTRATIONS PER UNIT
EMISSION FOR MAIN STACK FOR
APRIL - JUNE 1984

DEPOSITION FACTORS FOR THE MAIN STACK 4/1/84 - 6/30/84

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES 1/M**2							
		S - (1) 0.0	SSW - (2) 22.5	SW - (3) 45.0	WSW - (4) 67.5	W - (5) 90.0	WNW - (6) 112.5	NW - (7) 135.0	NNW - (8) 157.5
1	201.20	6.800E-10	2.630E-10	2.530E-10	1.860E-10	1.490E-10	1.440E-10	2.330E-10	2.940E-11
2	402.30	1.040E-08	2.970E-09	1.190E-09	8.570E-10	1.130E-09	1.300E-09	2.070E-09	4.980E-10
3	804.70	2.440E-09	4.830E-10	2.080E-10	1.560E-10	2.070E-10	2.630E-10	5.470E-10	1.460E-10
4	1207.00	1.390E-09	4.410E-10	8.200E-11	8.830E-11	8.560E-11	1.130E-10	2.220E-10	5.930E-11
5	1609.40	2.260E-09	1.730E-09	6.960E-11	9.230E-11	6.880E-11	9.050E-11	1.700E-10	4.540E-11
6	2414.00	2.380E-09	9.330E-10	6.600E-11	7.460E-11	5.270E-11	6.550E-11	1.180E-10	3.430E-11
7	3218.70	1.780E-09	6.250E-10	6.540E-11	6.230E-11	4.410E-11	6.070E-11	9.210E-11	2.960E-11
8	4023.40	1.310E-09	4.580E-10	6.510E-11	5.390E-11	3.830E-11	4.100E-11	7.560E-11	2.630E-11
9	4828.10	1.020E-09	3.500E-10	6.550E-11	4.830E-11	3.410E-11	3.450E-11	6.410E-11	2.360E-11
10	5632.70	8.290E-10	2.810E-10	6.390E-11	4.350E-11	3.090E-11	2.990E-11	5.570E-11	2.130E-11
11	6437.40	6.920E-10	2.340E-10	6.120E-11	3.940E-11	2.840E-11	2.650E-11	4.920E-11	1.950E-11
12	7242.10	5.920E-10	1.990E-10	5.780E-11	3.580E-11	2.610E-11	2.390E-11	4.410E-11	1.800E-11
13	8046.80	5.150E-10	1.730E-10	5.450E-11	3.270E-11	6.220E-11	2.360E-11	4.790E-11	1.660E-11
14	12070.10	3.020E-10	1.000E-10	4.140E-11	2.270E-11	3.980E-11	1.720E-11	3.370E-11	1.190E-11
15	16093.49	2.070E-10	6.820E-11	3.240E-11	1.700E-11	2.860E-11	1.360E-11	3.250E-11	4.300E-11
16	24140.29	1.210E-10	3.960E-11	2.180E-11	1.100E-11	1.750E-11	9.500E-12	2.160E-11	2.580E-11
17	32187.00	8.160E-11	2.640E-11	1.610E-11	8.350E-12	1.220E-11	9.590E-12	1.730E-11	1.770E-11
18	40233.79	5.970E-11	1.910E-11	1.250E-11	7.680E-12	9.120E-12	1.020E-11	1.390E-11	1.300E-11
19	48280.48	4.610E-11	1.460E-11	1.010E-11	5.900E-12	7.150E-12	6.460E-12	8.780E-12	1.010E-11
20	56327.29	3.680E-11	1.150E-11	9.350E-12	4.680E-12	5.230E-12	4.580E-12	6.970E-12	8.020E-12
21	64373.99	3.010E-11	9.300E-12	7.750E-12	3.810E-12	3.390E-12	3.650E-12	5.700E-12	6.540E-12
22	72420.75	2.510E-11	7.660E-12	6.520E-12	2.810E-12	2.630E-12	2.980E-12	4.780E-12	5.430E-12
23	80467.44	2.120E-11	6.420E-12	5.550E-12	2.340E-12	2.180E-12	2.490E-12	4.090E-12	4.570E-12

RECPTR NO.	DOWNWIND DISTANCE METERS	WEIGHTED AVERAGES 1/M**2							
		N - (9) 180.0	NNE - (10) 202.5	NE - (11) 225.0	ENE - (12) 247.5	E - (13) 270.0	ESE - (14) 292.5	SE - (15) 315.0	SSE - (16) 337.5
1	201.20	1.140E-10	2.750E-10	8.410E-11	5.890E-11	7.990E-11	7.990E-11	3.360E-11	7.360E-11
2	402.30	1.920E-09	4.670E-09	1.420E-09	1.000E-09	1.350E-09	1.350E-09	5.690E-10	1.580E-09
3	804.70	5.920E-10	1.380E-09	4.270E-10	3.100E-10	3.960E-10	3.990E-10	1.680E-10	4.000E-10
4	1207.00	2.640E-10	5.710E-10	1.840E-10	1.290E-10	1.610E-10	1.660E-10	6.780E-11	2.420E-10
5	1609.40	2.030E-10	4.390E-10	1.450E-10	9.490E-11	1.210E-10	1.310E-10	5.180E-11	2.060E-10
6	2414.00	1.410E-10	3.180E-10	1.070E-10	6.460E-11	8.260E-11	9.850E-11	3.750E-11	1.570E-10
7	3218.70	1.100E-10	2.570E-10	8.630E-11	5.140E-11	6.400E-11	8.000E-11	3.060E-11	1.270E-10
8	4023.40	9.100E-11	2.170E-10	7.230E-11	4.310E-11	5.270E-11	6.710E-11	2.620E-11	1.090E-10
9	4828.10	7.750E-11	1.880E-10	6.180E-11	3.700E-11	4.490E-11	5.750E-11	2.290E-11	9.710E-11
10	5632.70	6.760E-11	1.650E-10	5.390E-11	3.250E-11	3.930E-11	5.030E-11	2.040E-11	8.820E-11
11	6437.40	6.010E-11	1.480E-10	4.770E-11	2.900E-11	3.530E-11	4.450E-11	1.840E-11	8.070E-11
12	7242.10	5.420E-11	1.340E-10	4.280E-11	2.620E-11	3.170E-11	4.000E-11	1.680E-11	7.400E-11
13	8046.80	4.930E-11	1.220E-10	3.870E-11	2.380E-11	2.890E-11	3.620E-11	1.550E-11	6.830E-11
14	12070.10	3.400E-11	8.450E-11	2.640E-11	1.640E-11	2.010E-11	2.440E-11	1.110E-11	4.930E-11
15	16093.49	2.600E-11	6.470E-11	2.020E-11	1.250E-11	1.550E-11	1.840E-11	8.680E-12	5.050E-11
16	24140.29	1.780E-11	4.400E-11	1.400E-11	8.420E-12	1.070E-11	1.220E-11	6.070E-12	3.200E-11
17	32187.00	1.360E-11	3.360E-11	1.100E-11	6.390E-12	8.260E-12	1.080E-11	9.130E-12	2.280E-11
18	40233.79	1.090E-11	2.700E-11	9.080E-12	6.300E-12	1.020E-11	8.590E-12	7.220E-12	1.730E-11
19	48280.48	9.080E-12	2.240E-11	7.690E-12	5.240E-12	8.430E-12	7.080E-12	5.890E-12	1.370E-11
20	56327.29	7.750E-12	1.910E-11	6.670E-12	4.470E-12	7.160E-12	5.990E-12	4.920E-12	1.120E-11
21	64373.99	1.080E-11	1.670E-11	5.900E-12	3.890E-12	6.190E-12	5.180E-12	4.200E-12	9.300E-12
22	72420.75	1.210E-11	1.470E-11	5.300E-12	3.430E-12	5.430E-12	4.540E-12	3.630E-12	7.860E-12
23	80467.44	1.040E-11	1.320E-11	4.810E-12	3.060E-12	4.810E-12	4.030E-12	3.170E-12	6.730E-12

TABLE 4.1-12
RELATIVE DEPOSITION CONCENTRATIONS PER UNIT
EMISSION FOR MAIN STACK FOR
APRIL - JUNE 1984

Table 4.2-1

Maximum Individual Locations and Pathways¹
January - June 1984

Pathway	<u>0.5 Miles</u> SE	<u>0.6 Miles</u> ESE	<u>2.2 Miles</u> W
Noble Gas Immersion	Yes	Yes	Yes
Inhalation	Yes	Yes	Yes
(Data to be provided at a later date)			
Fruit & Vegetable Garden	Yes	Yes	Yes
Meat	No	No	No
Cows Milk	No	No	Yes
Goats Milk	No	No	No

1. Yes indicates that the pathway is analyzed.
No indicates that it is not considered.

Table 4.2-2

January - June 1984 Gaseous Release Maximum Individual
Doses From All Pathways for Adults (mREM)

<u>Location</u>	<u>Bone</u>	<u>Liver</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>	<u>Total Body</u>
*0.5 Miles SE	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
0.6 Miles ESE	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
2.2 Miles W	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

* Maximum dose location

Table 4.2-3

January - June 1984 Gaseous Release Maximum Individual
Doses From All Pathways for Teenagers (mREM)

<u>Location</u>	<u>Bone</u>	<u>Liver</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>	<u>Total Body</u>
*0.5 Miles SE	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
0.6 Miles ESE	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
2.2 Miles W	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

*Maximum dose location

Table 4.2-4

January - June 1984 Gaseous Release Maximum Individual Doses From All Pathways for Children (mREM)

<u>Location</u>	<u>Bone</u>	<u>Liver</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>	<u>Total Body</u>
*0.5 Miles SE	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
0.6 Miles ESE	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
2.2 Miles W	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

*Maximum dose location

Table 4.2-5

January - June 1984 Gaseous Release Maximum Individual
Doses From All Pathways for Infants (mREM)

<u>Location</u>	<u>Bone</u>	<u>Liver</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>	<u>Total Body</u>
*0.5 Miles SE	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
0.6 Miles ESE	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
2.2 Miles W	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

*Maximum dose location

Table 4.2-6

January - June 1984 Gaseous Release Maximum Individual
Doses 0.5 Miles SE (mREM)

<u>Age Group</u>	<u>Bone</u>	<u>Liver</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>	<u>Total Body</u>
Adult	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Teenager	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Child	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
Infant	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

TABLE 4.3.1
POPULATION DISTRIBUTION
Distance (Miles/Meters)

SECTOR	.5	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0
804.7	804.7	2414.0	4023.4	5632.7	7242.0	12070.1	24140.2	40233.6	56327.0	72420.5
S	0.	3.90E+01	2.08E+02	5.30E+01	2.20E+01	2.39E+03	1.66E+04	2.52E+04	7.80E+03	7.12E+02
SSW	1.90E+01	0.	2.30E+01	0.	0.	9.98E+02	1.58E+04	7.80E+03	3.16E+02	3.59E+02
SW	0.	3.90E+01	1.23E+02	6.50E+01	3.49E+02	4.97E+02	1.28E+04	1.42E+05	4.64E+04	4.65E+04
WSW	0.	7.70E+01	2.36E+02	3.00E+00	2.17E+02	2.52E+03	1.18E+04	5.04E+04	1.37E+05	1.85E+05
W	5.80E+01	9.50E+01	4.75E+02	1.25E+03	4.52E+03	9.56E+03	1.76E+04	6.05E+04	1.42E+05	3.78E+05
WNW	1.17E+02	0.	0.	0.	7.11E+02	1.03E+04	2.83E+04	1.65E+05	1.13E+05	1.08E+05
NW	1.90E+01	0.	0.	0.	8.00E+00	5.65E+02	3.96E+04	2.07E+05	8.21E+05	6.36E+05
NNW	0.	0.	0.	0.	1.30E+01	1.55E+03	2.66E+04	2.83E+04	1.04E+05	4.14E+05
N	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.09E+04
NNE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	0.	0.	0.	0.	0.	0.	5.30E+02	3.48E+03	0.	0.
E	0.	0.	0.	0.	0.	0.	0.	3.29E+03	3.41E+02	0.
ESE	0.	0.	1.50E+01	0.	0.	0.	0.	5.88E+03	1.31E+04	0.
SE	5.70E+02	1.76E+02	4.76E+02	0.	0.	0.	1.24E+03	4.02E+04	5.91E+03	0.
SSE	1.90E+01	2.10E+02	5.30E+02	2.03E+03	8.19E+02	1.39E+03	1.32E+04	1.95E+04	0.	7.12E+02

Table 4.3-2

Population Doses Via Major Pathways Resulting
From Gaseous Effluents During January - June 1984

<u>Pathway</u>	<u>Thyroid (MAN-REM)</u>	<u>Total Body (MAN-REM)</u>
Noble Gas Immersion (gamma)	<.01	<.01
Ground Plane Deposition	.02	.02
Inhalation	<.01	<.01

5. OFF-SITE DIRECT RADIATION

Doses due to direct radiation as measured by thermoluminescent dosimeter for the period January - June 1984 were as follows:

	<u>Dose Rate</u> <u>(uR/hr)</u>
Near Plant (0.-0.16 Miles from the Plant)	15.5
Exclusion Area (0.25-0.68 Miles from the Plant)	5.4
Distant Neighborhood (0.7-6.5 Miles from the Plant)	6.8
Background (8-21 Miles from the Plant)	6.6

The measured values for the first two quarters indicate a small but measurable dose contribution due to direct radiation at Near Plant Locations (within 0.16 miles) but no statistically significant contribution beyond about 0.25 miles.

REFERENCES

1. "Pilgrim Station Unit 1 Appendix Evaluation" Submitted in Accordance with 10 CFR 50 Appendix I, April 1977.
2. Pilgrim Station Environmental Report, Amendment 4, April 1975, pg. 2-329/330.
3. "An Update of Population Distribution Around the Pilgrim Site," prepared for Boston Edison by HMM Associates, July 31, 1981, ppg. 2-3 and 2-7.