

January 1, 1984 to June 30, 1984

Supplemental Information

Facility TMI-1 License DPR-50

1. Regulatory Limits

- a. Fission and activation gases:
- b. Iodines:
- c. Particulates, half-lives > 8days:
- d. Liquid effluents:

TMI-1 - Unit 1 Technical Specifications
Appendix A

2. Maximum Permissible Concentrations

Provide the MPCs used in determining allowable release rates or concentrations.

- a. Fission and activation gases:
- b. Iodines:
- c. Particulates, half-lives > 8 days:
- d. Liquid effluents:

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.

$$\bar{E}_\gamma = 0.844, \bar{E}_\beta = 0.147, \bar{E}_{\gamma\&\beta} = 0.991$$

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: Gamma Spectroscopy, Liquid Scintillation
- b. Iodines: Gamma Spectroscopy
- c. Particulates: Gamma Spectroscopy, Gas Flow Proportional, Beta Spectroscopy
- d. Liquid effluents: Gamma Spectroscopy, Liquid Scintillation

5. Batch Releases

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

	1st Quarter	2nd Quarter
a. Liquid		
1. Number of batch releases:	32	40
2. Total time period for batch releases: (min.)	46360	45349
3. Maximum time period for a batch release: (min.)	19224	12798
4. Average time period for batch releases: (min.)	1449	1193
5. Minimum time period for a batch release: (min.)	165	135
6. Average stream flow during periods of release of effluent into a flowing stream: (CFM)	3.25E 6	4.18E 6
b. Gaseous		
1. Number of batch releases:	20	39
2. Total time period for batch releases: (min.)	16181	31073
3. Maximum time period for a batch release: (min.)	2884	5496
4. Average time period for batch releases: (min.)	809	797
5. Minimum time period for a batch release: (min.)	360	447

6. Abnormal Releases

a. Liquid

1. Number of releases: 0 0
2. Total activity releases: N/A N/A

b. Gaseous

1. Number of releases: 0 1
2. Total activity released: N/A 2.18E-2

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TABLE 1A

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1984)
GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Unit	Quarter 1st	Quarter 2nd	Est. Total Error, %
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A. Fission & activation gases

1. Total release	Ci	3.38E-1	2.42E-2	2.5E 1
2. Average release rate for period	μCi/sec	4.25E-2	3.04E-3	
3. Percent of technical specification limit	%	*	*	

B. Iodines

1. Total iodine - 131	Ci	<1.00E-8	<1.00E-8	N/A
2. Average release rate for period	μCi/sec	N/A	N/A	
3. Percent of technical specification limit	%	0	0	

C. Particulates

1. Particulates with half-lives > 8 days	Ci	<1.00E-4	<1.00E-4	2.5E 1
2. Average release rate for period	μCi/sec	N/A	N/A	
3. Percent of technical specification limit	%	*	*	
4. Gross alpha radioactivity	Ci	<1.00E-11	<1.00E-11	

D. Tritium

1. Total release	Ci	<1.00E-6	1.31E-5	2.5E 1
2. Average release rate for period	μCi/sec	N/A	1.65E-6	
3. Percent of technical specification limit	%	*	*	

Note: All less than (<) values are in μCi/cc.

*% Tech Spec limits: Listed on Dose Summary Table

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

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter 1st	Quarter 2nd	Quarter 1st	Quarter 2nd
1. Fission gases					
krypton-85	Ci	<8.00E-6	<8.00E-6	3.38E-1	2.42E-2
krypton-85m	Ci	<5.00E-8	<5.00E-8	<5.00E-8	<5.00E-8
krypton-87	Ci	<8.00E-8	<8.00E-8	<8.00E-8	<8.00E-8
krypton-88	Ci	<1.00E-7	<1.00E-7	<1.00E-7	<1.00E-7
xenon-133	Ci	<8.00E-8	<8.00E-8	<8.00E-8	<8.00E-8
xenon-135	Ci	<5.00E-8	<5.00E-8	<5.00E-8	<5.00E-8
xenon-135m	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
xenon-138	Ci	<3.00E-7	<3.00E-7	<3.00E-7	<3.00E-7
Others (specify)	Ci				
	Ci				
	Ci				
unidentified	Ci				
Total for period	Ci	N/A	N/A	3.38E-1	2.42E-2

2. Iodines

iodine-131	Ci	<1.00E-12	<1.00E-12	<1.00E-8	<1.00E-8
iodine-133	Ci	<1.00E-10	<1.00E-10	<1.00E-8	<1.00E-8
iodine-135	Ci	<1.00E-10	<1.00E-10	<1.00E-8	<1.00E-8
Total for period	Ci	-0-	-0-	-0-	-0-

3. Particulates

strontium-89	Ci	<1.00E-11	<1.00E-11	--	--
strontium-90	Ci	<1.00E-11	<1.00E-11	--	--
cesium-134	Ci	<1.00E-11	<1.00E-11	<1.00E-8	<1.00E-8
cesium-137	Ci	<1.00E-11	<1.00E-11	<1.00E-8	<1.00E-8
barium-lanthanum-140	Ci	<1.00E-11	<1.00E-11	<1.00E-8	<1.00E-8

Note: All less than values (<) are in $\mu\text{Ci/cc}$.

TABLE 2A

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

Unit	Quarter 1st	Quarter 2nd	Est. Total Error, %
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A. Fission and activation products

1. Total release (not including tritium, gases, alpha)	Ci	1.19E-2	1.38E-2	2.5E 1
2. Average diluted concentration during period	µCi/ml	1.12E-9	1.41E-9	
3. Percent of applicable limit	%	*	*	

B. Tritium

1. Total release	Ci	5.81E-1	6.02E-1	2.5E 1
2. Average diluted concentration during period	µCi/ml	5.48E-8	6.14E-8	
3. Percent of applicable limit	%	*	*	

C. Dissolved and entrained gases

1. Total release	Ci	<1.00E-4	<1.00E-4	2.5E 1
2. Average diluted concentration during period	µCi/ml	N/A	N/A	
3. Percent of applicable limit	%	-0-	-0-	

D. Gross alpha radioactivity

1. Total Release	Ci	<1.00E-7	<1.00E-7	2.5E 1
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E. Volume of waste released (prior to dilution)	liters	1.36E 7	1.31E 7	1.0E 1
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F. Volume of dilution water used during period.	liters	1.06E 10	9.80E 9	1.0E 1
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Note: All less than values (<) are in µCi/ml.

*% Tech. Spec. Limits: Listed on Dose Summary Table.

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT (1984)
LIQUID EFFLUENTS

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter 1st	Quarter 2nd	Quarter 1st	Quarter 2nd
strontium-89	Ci	<5.00E-8	<5.00E-8	<5.00E-8	<5.00E-8
strontium-90	Ci	<5.00E-8	<5.00E-8	6.33E-5	2.13E-4
cesium-134	Ci	<5.00E-7	<5.00E-7	1.23E-3	8.75E-4
cesium-137	Ci	<5.00E-7	<5.00E-7	8.17E-3	8.98E-3
iodine-131	Ci	<1.00E-6	<1.00E-6	<1.00E-6	<1.00E-6
cobalt-58	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
cobalt-60	Ci	<5.00E-7	<5.00E-7	7.93E-4	1.51E-3
iron-59	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
zinc-65	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
manganese-54	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
chromium-51	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
zirconium-niobium-95	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
molybdenum-99	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
technetium-99m	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
barium-lanthanum-140	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
cerium-141	Ci	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
Other (specify)	Ci				
Iron-55	Ci	<1.00E-6	<1.00E-6	1.58E-3	2.01E-3
Antimony-125	Ci	<5.00E-7	<5.00E-7	3.23E-5	2.25E-4
Phosphorus-32	Ci	<1.00E-6	<1.00E-6	<1.00E-6	<1.00E-6
Total for period (above)	Ci	-0-	-0-	1.19E-2	1.38E-2
xenon-133	Ci	<1.00E-4	<1.00E-4	1.00E-4	<1.00E-4
xenon-135	Ci	<1.00E-4	<1.00E-4	<1.00E-4	<1.00E-4

TABLE 3A

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

January 1, 1984 to June 30, 1984

A. Solid waste shipped off-site for burial or disposal (not irradiated fuel)

1. Type of waste	UNIT I	6 MONTH PERIOD	EST. TOTAL ERROR, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m ³ Ci	91.46 58.6	5%
b. Dry compressible waste, contaminated equipment, etc.	m ³ Ci	132.27 1.039	5%
c. Irradiated components, control rods, etc.	m ³ Ci	N/A	N/A
d. Other (describe)	m ³ Ci	N/A	N/A

2. Estimate of major nuclide composition (by type of waste)		
a. H-3	41.4%	
Cs-137	33.2%	
Ni-63	12.6%	
Cs-134	8.1%	
b. Cs-137	55.9%	
Ni-63	19 %	
Cs-134	5.99%	
Co-60	14.5%	
Pu-241	1.4 %	
c. N/A		
d. N/A		

3. Solid Waste Disposition		
Number of Shipments	Mode of Transportation	Destination
(a) 3 shipments	Tractor/Flatbed	Hanford, Wash.
(a) 7 shipments	Tractor/Flatbed/Cask	Barnwell, S.C.
(b) 2 shipments	Tractor/Flatbed/Cask	Hanford, Wash.
(b) 2 shipments	Tractor/Flatbed/Cask/Cld. Van	Barnwell, S.C.

B. Irradiated Fuel Shipments (Disposition)

Number of Shipments	Mode of Transportation	Destination
N/A	N/A	N/A
N/A	N/A	N/A

*1a. EVAP Bottoms solidified in steel liners using cement resins dewatered in High Integrity Containers

1b. Shipped in LSA (Type A) steel drums, and LSA steel boxes.

1c. N/A

1d. N/A

ATTACHMENT - Joint Frequency Tables for 1st Quarter (1984)

ATTACHMENT - Joint Frequency Tables for 2nd Quarter (1984)

ATTACHMENT - Summary of Maximum Individual Dose Accumulation
for First Quarter of 1984

ATTACHMENT - Summary of Maximum Individual Dose Accumulation
for Second Quarter of 1984

UNIT 1
Quarter Dose Report

SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR UNIT 1 FROM
January 1, 1984 through March 31, 1984

Effluent	Applicable Organ	Estimated Dose (mrem)	Age Group	Location Dist Dir (m) (toward)	% of Applicable Limit		10CFR50 App. I Limits (mrem)	
					Quarterly	Annual	Quarterly	Annual
Liquid	Total Body	1.22E-1	Adult	Receptor 1	8.1	4.1	1.5	3.0
Liquid	Liver	1.86E-1	Teen	Receptor 1	3.7	1.9	5.0	10.0
Noble Gas	Air Dose (gamma-mrad)	4.30E-7	--	454 SE	8.6E-8	4.3E-6	5.0	10.0
Noble Gas	Air Dose (beta-mrad)	4.88E-5	--	454 SE	4.88E-4	2.4E-4	10.0	20.0
Noble Gas	Total Body	2.15E-7	All	750 SE	--	4.3E-6	--	5.0
Noble Gas	Skin	2.58E-5	All	750 SE	--	1.7E-4	--	15.0
Iodine & Particulates	--	--	--	--	--	--	7.5	15.0

SUMMARY OF MAXIMUM POPULATION DOSES FOR UNIT FROM
January 1, 1984 through March 31, 1984

<u>Effluent</u>	<u>Applicable Organ</u>	<u>Estimated Population Dose (person-rem)</u>
Liquid	Total Body	3.3E-2
Liquid	Bone	6.2E-2
Gaseous	Total Body	2.2E-6
Gaseous	Skin	3.8E-4

UNIT 1
Quarter Dose Report

SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR UNIT 1 FROM
April 1, 1984 through June 30, 1984

Effluent	Applicable Organ	Estimated Dose (mrem)	Age Group	Location Dist Dir (m) (toward)		% of Applicable Limit		10CFR50 App. I Limits (mrem)	
						Quarterly	Annual	Quarterly	Annual
Liquid	Total Body	1.58E-1	Adult	Receptor 1		10.5	5.3	1.5	3.0
Liquid	Liver	2.42E-1	Teen	Receptor 1		4.8	2.4	5.0	10.0
Noble Gas	Air Dose (gamma-mrad)	1.78E-8	--	363	ESE	3.6E-7	1.8E-7	5.0	10.0
Noble Gas	Air Dose (beta-mrad)	2.02E-6	--	363	ESE	2.0E-5	1.0E-5	10.0	20.0
Noble Gas	Total Body	1.03E-8	All	630	ESE	--	2.1E-7	--	5.0
Noble Gas	Skin	1.24E-6	All	630	ESE	--	8.2E-6	--	15.0
Iodine & Particulates	Total Body	3.50E-9	Child	630	ESE	4.7E-8	2.3E-8	7.5	15.0

SUMMARY OF MAXIMUM POPULATION DOSES FOR UNIT 1 FROM
April 1, 1984 through June 30, 1984

<u>Effluent</u>	<u>Applicable Organ</u>	<u>Estimated Population Dose (person-rem)</u>
Liquid	Total Body	5.4E-2
Liquid	Bone	1.3E-1
Gaseous	Total Body	2.3E-7
Gaseous	Skin	1.9E-5

1984 1st QUARTER

SITE THREE MILE ISLD. UNIT: UNIT 1 00/10/84 10:17

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84010101-84033124
 STABILITY CLASS A DT/DZ
 ELEVATION SPEED SPI00A DIRECTION DI100A LAPSE DT150A

WIND DIRECTION	WIND SPEED(MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	4	6	10	2	0	22
NNE	0	3	3	1	0	0	7
NE	1	0	0	0	0	0	1
ENE	1	0	0	0	0	0	1
E	0	0	0	0	1	0	1
ESE	0	1	1	0	0	0	2
SE	1	0	3	0	0	0	4
SSE	1	1	0	0	0	0	2
S	1	1	0	0	0	0	2
SSW	0	2	4	0	0	0	6
SW	0	6	0	0	0	0	6
WSW	0	0	0	0	0	0	0
W	0	1	2	0	0	0	3
WNW	0	3	0	1	0	0	4
NW	2	1	2	2	0	0	7
NNW	0	0	3	0	1	0	22
TOTAL	7	32	24	23	4	0	90

PERIODS OF CALM(HOURS) 3
 VARIABLE DIRECTION 5
 HOURS OF MISSING DATA 51

SITE THREE MILE ISLD. UNIT: UNIT 1 00/10/84 10:10

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84010101-84033124
 STABILITY CLASS B DT/DZ
 ELEVATION SPEED SPI00A DIRECTION DI100A LAPSE DT150A

WIND DIRECTION	WIND SPEED(MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	2	1	0	3	0	0	6
NNE	0	1	4	0	0	0	5
NE	0	0	0	0	0	0	0
ENE	0	1	1	0	0	0	2
E	0	1	1	0	0	0	2
ESE	0	2	3	0	0	0	5
SE	3	4	1	0	0	0	8
SSE	0	0	0	0	0	0	0
S	0	1	0	0	0	0	1
SSW	2	2	0	1	0	0	5
SW	0	1	0	1	0	0	3
WSW	0	0	0	0	0	0	0
W	0	0	0	1	0	0	1
WNW	0	1	2	4	0	0	7
NW	0	1	2	2	0	0	5
NNW	0	1	5	2	0	0	8
TOTAL	7	17	19	14	1	0	58

PERIODS OF CALM(HOURS) 3
 VARIABLE DIRECTION 2
 HOURS OF MISSING DATA 51

SITE THREE MILE ISLD. UNIT: UNIT 1 00/10/84 10:10

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84010101-84033124
 STABILITY CLASS C DT/DZ
 ELEVATION SPEED SPI00A DIRECTION DI100A LAPSE DT150A

WIND DIRECTION	WIND SPEED(MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	3	1	0	0	0	4
NNE	0	0	1	0	1	0	2
NE	1	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0
E	1	0	6	0	0	0	7
ESE	0	2	1	0	0	0	3
SE	1	0	2	1	0	0	4
SSE	1	0	0	0	0	0	1
S	0	1	0	0	0	0	1
SSW	0	0	0	0	0	0	0
SW	1	0	0	1	0	0	2
WSW	0	0	0	0	0	0	0
W	1	0	1	4	1	0	7
WNW	0	0	2	5	1	0	8
NW	0	1	3	4	0	0	8
NNW	0	2	4	4	0	0	10
TOTAL	6	0	15	19	3	0	52

PERIODS OF CALM(HOURS) 3
 VARIABLE DIRECTION 3
 HOURS OF MISSING DATA 51

SITE THREE MILE ISLD. UNIT: UNIT 1 00/10/84 10:10

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84010101-84033124
 STABILITY CLASS D DT/DZ
 ELEVATION SPEED SPI00A DIRECTION DI100A LAPSE DT150A

WIND DIRECTION	WIND SPEED(MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	6	14	0	10	0	1	48
NNE	5	4	4	5	1	1	20
NE	4	0	6	3	0	0	22
ENE	11	12	5	3	0	0	31
E	0	21	17	12	2	0	61
ESE	12	26	14	3	4	0	56
SE	4	8	15	0	0	0	27
SSE	4	12	10	1	0	0	27
S	6	6	2	1	0	0	15
SSW	3	7	2	1	0	0	13
SW	1	2	4	2	0	0	9
WSW	4	1	5	5	2	0	17
W	1	5	12	18	4	0	40
WNW	3	8	18	35	16	4	84
NW	1	9	22	33	12	0	77
NNW	6	17	14	25	5	4	71
TOTAL	60	161	150	157	54	10	621

PERIODS OF CALM(HOURS) 3
 VARIABLE DIRECTION 25
 HOURS OF MISSING DATA 51

1984 1st QUARTER

SITE: THREE MILE ISLD. UNIT: UNIT 1 08/10/84 10:10

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84010101-84033124
 STABILITY CLASS E DT/DZ
 ELEVATION SPEED: SP100A DIRECTION: DI100A LAPSE: DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	24	17	8	6	0	2	57
NNE	12	11	3	2	1	0	20
NE	12	12	1	1	0	0	26
ENE	13	11	7	0	0	0	31
E	30	24	0	6	0	0	60
ESE	21	34	10	0	0	0	73
SE	12	27	11	1	0	0	51
SSE	0	15	3	0	0	0	27
S	5	12	11	0	0	0	28
SSW	12	13	2	2	0	0	29
SW	12	7	1	2	0	0	22
WSW	0	7	7	4	0	0	26
W	10	20	10	3	1	0	53
WNW	11	23	44	26	7	0	111
NW	10	20	43	50	11	1	151
NNW	12	10	24	37	4	0	96
TOTAL	213	200	203	156	24	3	879

PERIODS OF CALM (HOURS): 3
 VARIABLE DIRECTION: 64
 HOURS OF MISSING DATA: 51

SITE: THREE MILE ISLD. UNIT: UNIT 1 08/10/84 10:20

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84010101-84033124
 STABILITY CLASS G DT/DZ
 ELEVATION SPEED: SP100A DIRECTION: DI100A LAPSE: DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	3	1	1	0	0	14
NNE	10	1	0	0	0	0	11
NE	0	3	0	0	0	0	11
ENE	7	1	0	0	0	0	8
E	24	4	0	0	0	0	28
ESE	12	6	1	0	0	0	19
SE	13	4	0	0	0	0	17
SSE	11	3	0	0	0	0	14
S	7	1	0	0	0	0	8
SSW	6	2	1	0	0	0	9
SW	2	1	2	0	0	0	5
WSW	10	2	0	0	0	0	12
W	7	4	0	0	0	0	11
WNW	2	2	1	0	0	0	5
NW	1	3	2	1	0	0	7
NNW	5	7	3	1	0	0	16
TOTAL	134	47	11	3	0	0	195

PERIODS OF CALM (HOURS): 3
 VARIABLE DIRECTION: 42
 HOURS OF MISSING DATA: 51

SITE: THREE MILE ISLD. UNIT: UNIT 1 08/10/84 10:20

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84010101-84033124
 STABILITY CLASS F DT/DZ
 ELEVATION SPEED: SP100A DIRECTION: DI100A LAPSE: DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	7	10	3	0	0	0	20
NNE	6	1	0	0	0	0	7
NE	6	2	0	0	0	0	8
ENE	7	3	0	0	0	0	10
E	0	0	0	0	0	0	0
ESE	10	4	1	0	0	0	15
SE	6	1	0	0	0	0	7
SSE	0	2	0	0	0	0	2
S	0	4	0	0	0	0	4
SSW	0	4	1	0	0	0	5
SW	0	3	0	1	0	0	4
WSW	5	3	2	0	0	0	10
W	10	12	2	0	0	0	24
WNW	3	7	0	0	0	0	10
NW	7	12	1	3	2	0	25
NNW	7	13	0	5	2	0	35
TOTAL	117	90	10	9	4	0	238

PERIODS OF CALM (HOURS): 3
 VARIABLE DIRECTION: 30
 HOURS OF MISSING DATA: 51

SITE: THREE MILE ISLD. UNIT: UNIT 1 08/10/84 10:21

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84010101-84033124
 STABILITY CLASS ALL DT/DZ
 ELEVATION SPEED: SP100A DIRECTION: DI100A LAPSE: DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	40	52	20	30	10	3	171
NNE	33	21	15	0	3	1	81
NE	32	26	7	4	0	0	69
ENE	30	20	13	3	0	0	83
E	73	50	27	18	3	0	180
ESE	55	75	31	11	4	0	176
SE	40	44	32	2	0	0	118
SSE	35	33	13	1	0	0	82
S	27	26	13	1	0	0	67
SSW	31	30	10	4	0	0	75
SW	25	20	7	7	1	0	60
WSW	27	13	14	0	2	0	65
W	20	42	36	26	6	0	130
WNW	10	44	67	71	24	4	220
NW	21	55	75	103	25	1	280
NNW	30	60	61	83	12	4	250
TOTAL	564	636	449	381	90	13	2133

PERIODS OF CALM (HOURS): 3
 VARIABLE DIRECTION: 170
 HOURS OF MISSING DATA: 51

1984 1st QUARTER SPECIFIC RELEASE PERIODS

SITE: THREE MILE ISLD. UNIT: UNIT 1 00/16/84 14.34
 PERIOD OF RECORD = HOURS AT EACH WIND SPEED AND DIRECTION
 STABILITY CLASS A 84010104-84033124
 ELEVATION: SPEED SPI00A DIRECTION: D1100A LAPSE: DT150A
 WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	2	5	5	1	0	13
NNE	0	2	0	1	0	0	3
NE	0	0	0	0	0	0	0
NENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	1	0	0	0	0	1
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	1	0	0	0	0	1
SW	0	2	0	0	0	0	2
WSW	0	0	0	0	0	0	0
W	0	0	2	0	0	0	2
WNW	0	2	0	1	0	0	3
NW	1	1	2	2	0	0	6
NNW	0	3	1	6	0	0	10
TOTAL	2	14	10	15	2	0	43

PERIODS OF CALM(HOURS) 1
 VARIABLE DIRECTION 1
 HOURS OF MISSING DATA: 25

SITE: THREE MILE ISLD. UNIT: UNIT 1 00/16/84 14.35
 PERIOD OF RECORD = HOURS AT EACH WIND SPEED AND DIRECTION
 STABILITY CLASS B 84010104-84033124
 ELEVATION: SPEED SPI00A DIRECTION: D1100A LAPSE: DT150A
 WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	0	0	0	0	0	1
NNE	0	0	3	0	0	0	3
NE	0	0	0	0	0	0	0
NENE	0	1	0	0	0	0	1
E	0	0	1	0	0	0	1
ESE	0	0	2	0	0	0	2
SE	1	4	1	0	0	0	6
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	1	0	0	1
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	1	1	0	0	2
NW	0	0	0	0	0	0	0
NNW	0	0	3	1	0	0	4
TOTAL	2	5	11	3	1	0	22

PERIODS OF CALM(HOURS) 1
 VARIABLE DIRECTION 1
 HOURS OF MISSING DATA: 25

SITE: THREE MILE ISLD. UNIT: UNIT 1 00/16/84 14.35
 PERIOD OF RECORD = HOURS AT EACH WIND SPEED AND DIRECTION
 STABILITY CLASS C 84010104-84033124
 ELEVATION: SPEED SPI00A DIRECTION: D1100A LAPSE: DT150A
 WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	1	0	0	0	1
NNE	2	0	1	0	0	0	3
NE	0	0	0	0	0	0	0
NENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	1	0	0	0	1
SE	0	0	0	1	0	0	1
SSE	1	0	0	0	0	0	1
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	2	0	3	1	0	0	6
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	1	2	1	0	4
NW	2	0	3	1	0	0	6
NNW	0	2	1	3	0	0	6
TOTAL	1	2	6	8	2	0	21

PERIODS OF CALM(HOURS) 1
 VARIABLE DIRECTION 1
 HOURS OF MISSING DATA: 25

SITE: THREE MILE ISLD. UNIT: UNIT 1 00/16/84 14.36
 PERIOD OF RECORD = HOURS AT EACH WIND SPEED AND DIRECTION
 STABILITY CLASS D 84010104-84033124
 ELEVATION: SPEED SPI00A DIRECTION: D1100A LAPSE: DT150A
 WIND SPEED(MPH)

WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	5	4	5	4	1	19
NNE	1	2	6	3	0	0	12
NE	4	4	1	3	0	0	12
NENE	1	13	0	12	2	0	27
E	2	0	7	3	4	0	16
ESE	0	1	5	0	0	0	6
SE	0	3	3	1	0	0	7
SSE	1	1	0	0	0	0	2
S	0	0	1	0	0	0	1
SSW	0	0	1	0	0	0	1
SW	0	0	0	2	4	0	6
WSW	0	0	1	2	7	0	10
W	0	4	6	6	2	0	18
WNW	0	4	13	0	5	0	31
NW	0	0	7	0	4	0	11
NNW	1	0	0	0	0	0	1
TOTAL	12	57	68	60	24	6	236

PERIODS OF CALM(HOURS) 1
 VARIABLE DIRECTION 5
 HOURS OF MISSING DATA: 25

1984 1st QUARTER SPECIFIC RELEASE PERIODS

SITE: THREE MILE ISLD UNIT: UNIT 1 00/16/84 14:36

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 04010104-04033124
 STABILITY CLASS: E DT/DZ
 ELEVATION SPEED: SP100A DIRECTION: DI100A LAPSE: DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	7	3	2	2	0	0	14
NNE	5	5	0	1	0	0	11
NE	3	4	0	1	0	0	8
ENE	3	4	0	0	0	0	7
E	0	2	0	1	0	0	11
ESE	4	1	0	0	0	0	5
SE	3	2	1	0	0	0	6
SSE	2	3	0	0	0	0	5
S	2	3	0	0	0	0	5
SSW	2	3	0	0	0	0	5
SW	7	3	1	0	0	0	11
WSW	5	5	3	3	0	0	16
W	2	0	6	0	0	0	16
WNW	2	0	6	7	0	0	23
NW	1	7	4	15	0	0	27
NNW	4	7	5	3	3	0	22
TOTAL	60	60	20	33	3	0	192

PERIODS OF CALM (HOURS): 1
 VARIABLE DIRECTION: 15
 HOURS OF MISSING DATA: 25

SITE: THREE MILE ISLD UNIT: UNIT 1 00/16/84 14:37

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 04010104-04033124
 STABILITY CLASS: F DT/DZ
 ELEVATION SPEED: SP100A DIRECTION: DI100A LAPSE: DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	1	2	0	0	0	0	3
NNE	4	0	0	0	0	0	4
NE	1	0	0	0	0	0	1
ENE	1	0	0	0	0	0	1
E	0	0	0	0	0	0	0
ESE	1	1	0	0	0	0	2
SE	1	0	0	0	0	0	1
SSE	2	0	0	0	0	0	2
S	1	0	0	0	0	0	1
SSW	1	0	0	0	0	0	1
SW	0	0	0	0	0	0	0
WSW	1	0	0	0	0	0	1
W	2	0	0	0	0	0	2
WNW	2	0	0	0	0	0	2
NW	1	2	0	0	0	0	3
NNW	4	5	3	1	0	0	13
TOTAL	23	10	3	1	0	0	37

PERIODS OF CALM (HOURS): 1
 VARIABLE DIRECTION: 0
 HOURS OF MISSING DATA: 25

SITE: THREE MILE ISLD UNIT: UNIT 1 00/16/84 14:38

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 04010104-04033124
 STABILITY CLASS: ALL DT/DZ
 ELEVATION SPEED: SP100A DIRECTION: DI100A LAPSE: DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	11	13	12	12	5	1	54
NNE	11	0	6	7	2	1	36
NE	7	6	6	4	0	0	23
ENE	0	0	1	3	0	0	22
E	14	10	10	13	3	0	50
ESE	13	13	11	3	4	0	44
SE	13	7	7	1	0	0	28
SSE	0	6	3	1	0	0	10
S	4	4	0	0	0	0	8
SSW	4	5	1	1	0	0	11
SW	7	6	1	3	1	0	18
WSW	6	5	5	7	2	0	25
W	7	11	10	7	0	0	35
WNW	4	14	14	17	3	0	52
NW	3	14	22	27	5	0	71
NNW	10	26	20	23	7	4	90
TOTAL	132	166	120	120	32	6	504

PERIODS OF CALM (HOURS): 1
 VARIABLE DIRECTION: 30
 HOURS OF MISSING DATA: 25

SITE: THREE MILE ISLD UNIT: UNIT 1 00/16/84 14:37

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 04010104-04033124
 STABILITY CLASS: G DT/DZ
 ELEVATION SPEED: SP100A DIRECTION: DI100A LAPSE: DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	2	1	0	0	0	0	3
NNE	1	1	0	0	0	0	2
NE	1	0	0	0	0	0	1
ENE	1	0	0	0	0	0	1
E	5	3	0	0	0	0	8
ESE	6	1	1	0	0	0	8
SE	7	0	0	0	0	0	7
SSE	4	0	0	0	0	0	4
S	0	0	0	0	0	0	0
SSW	1	0	0	0	0	0	1
SW	0	1	0	0	0	0	1
WSW	0	0	0	0	0	0	0
W	3	2	0	0	0	0	5
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	1	1	0	0	0	0	2
TOTAL	32	10	1	0	0	0	43

PERIODS OF CALM (HOURS): 1
 VARIABLE DIRECTION: 6
 HOURS OF MISSING DATA: 25

1984 2nd QUARTER

SITE THREE MILE ISLD UNIT UNIT 1 08/10/84 10 23

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063024
 STABILITY CLASS A DT/DZ
 ELEVATION SPEED SPI00A DIRECTION DI100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	4	12	1	1	0	0	18
NNE	1	2	0	0	0	0	3
NE	0	2	0	0	0	0	2
ENE	2	2	0	0	0	0	4
E	1	1	0	0	0	0	2
ESE	2	7	3	0	0	0	12
SE	0	2	3	0	0	0	5
SSE	2	4	0	0	0	0	6
S	3	5	5	0	0	0	13
SSW	4	14	10	5	0	0	33
SW	1	3	6	1	0	0	11
WSW	3	7	1	0	0	0	11
W	7	5	0	5	0	0	25
VNW	10	4	12	2	0	0	28
NW	12	20	30	11	2	0	75
NNW	7	15	14	11	0	0	47
TOTAL	50	105	93	36	2	0	205

PERIODS OF CALM (HOURS) 4
 VARIABLE DIRECTION 17
 HOURS OF MISSING DATA 4

SITE THREE MILE ISLD UNIT UNIT 1 08/10/84 10 23

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063024
 STABILITY CLASS B DT/DZ
 ELEVATION SPEED SPI00A DIRECTION DI100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	3	3	0	0	0	0	6
NNE	2	1	0	0	0	0	3
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	1	5	1	0	0	0	7
ESE	0	0	1	0	0	0	1
SE	0	5	0	0	0	0	5
SSE	3	3	0	0	0	0	6
S	3	2	0	0	0	0	5
SSW	3	3	5	3	0	0	14
SW	1	0	2	0	0	0	3
WSW	1	3	1	0	0	0	5
W	2	2	4	3	0	0	11
VNW	0	1	7	0	0	0	8
NW	1	3	11	3	1	0	19
NNW	6	0	1	7	0	0	14
TOTAL	26	31	33	16	1	0	107

PERIODS OF CALM (HOURS) 4
 VARIABLE DIRECTION 12
 HOURS OF MISSING DATA 4

SITE THREE MILE ISLD UNIT UNIT 1 08/10/84 10 24

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063024
 STABILITY CLASS C DT/DZ
 ELEVATION SPEED SPI00A DIRECTION DI100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	3	0	0	0	0	0	3
NNE	1	1	0	0	0	0	2
NE	0	0	0	0	0	0	0
ENE	0	3	0	0	0	0	3
E	0	0	1	0	0	0	1
ESE	0	2	3	0	0	0	5
SE	2	2	0	0	0	0	4
SSE	1	1	0	0	0	0	2
S	1	3	1	0	0	0	5
SSW	0	0	4	0	0	0	4
SW	1	0	1	0	0	0	2
WSW	0	0	1	0	0	0	1
W	1	0	0	1	0	0	2
VNW	0	1	3	1	0	0	5
NW	0	1	7	5	0	0	13
NNW	1	0	0	2	0	0	3
TOTAL	11	14	21	4	0	0	50

PERIODS OF CALM (HOURS) 4
 VARIABLE DIRECTION 5
 HOURS OF MISSING DATA 4

SITE THREE MILE ISLD UNIT UNIT 1 08/10/84 10 24

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063024
 STABILITY CLASS D DT/DZ
 ELEVATION SPEED SPI00A DIRECTION DI100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	7	3	1	3	0	0	14
NNE	4	1	3	0	0	0	8
NE	6	13	0	0	0	0	19
ENE	0	30	4	1	0	0	44
E	14	25	34	3	0	0	76
ESE	7	30	0	0	0	0	37
SE	7	44	0	0	0	0	51
SSE	11	31	11	1	0	0	54
S	5	10	0	3	0	0	18
SSW	6	20	13	1	0	0	40
SW	4	7	5	0	0	0	16
WSW	5	0	5	1	0	0	11
W	4	0	23	17	0	0	44
VNW	5	14	18	15	1	0	53
NW	5	8	17	30	5	0	65
NNW	0	7	0	7	2	0	16
TOTAL	107	270	167	82	0	0	642

PERIODS OF CALM (HOURS) 4
 VARIABLE DIRECTION 41

1984 2nd QUARTER

SITE THREE MILE ISLD UNIT UNIT 1 08/18/84 10 24

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063024
 STABILITY CLASS E DT/DZ
 ELEVATION SPEED SPI00A DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	12	15	0	3	0	0	30
NNE	12	18	4	0	0	0	34
NE	0	7	1	0	0	0	16
ENE	0	13	2	0	0	0	23
E	0	5	1	6	0	0	21
ESE	10	17	6	1	0	0	34
SE	7	14	0	1	0	0	22
SSE	21	17	2	0	0	0	40
S	14	20	0	0	0	0	50
SSW	11	21	10	1	0	0	51
SW	12	16	1	1	0	0	30
WSW	14	25	7	0	0	0	46
W	16	19	30	4	0	0	69
WNW	10	14	37	4	0	0	74
NW	18	21	20	12	2	0	73
NNW	14	20	0	0	1	0	52
TOTAL	205	270	154	41	3	0	673

PERIODS OF CALM (HOURS) 4
 VARIABLE DIRECTION 53
 HOURS OF MISSING DATA 4

SITE THREE MILE ISLD UNIT UNIT 1 08/18/84 10 25

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063024
 STABILITY CLASS F DT/DZ
 ELEVATION SPEED SPI00A DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	0	0	2	1	0	0	20
NNE	2	1	0	0	0	0	3
NE	4	2	0	0	0	0	6
ENE	5	2	0	0	0	0	7
E	11	0	0	0	0	0	11
ESE	7	1	0	0	0	0	8
SE	7	3	0	0	0	0	10
SSE	12	4	0	0	0	0	16
S	11	1	1	0	0	0	13
SSW	17	4	0	0	0	0	21
SW	0	4	1	0	0	0	13
WSW	14	3	0	0	0	0	17
W	12	0	1	0	0	0	21
WNW	7	7	1	0	0	0	15
NW	7	0	2	0	0	0	10
NNW	10	13	6	3	0	0	41
TOTAL	152	71	14	4	0	0	241

PERIODS OF CALM (HOURS) 4
 VARIABLE DIRECTION 36
 HOURS OF MISSING DATA 4

SITE THREE MILE ISLD UNIT UNIT 1 08/18/84 10 25

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063024
 STABILITY CLASS G DT/DZ
 ELEVATION SPEED SPI00A DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	3	1	0	0	0	0	4
NNE	3	0	0	0	0	0	3
NE	0	0	0	0	0	0	0
ENE	2	0	0	0	0	0	2
E	4	1	0	0	0	0	5
ESE	0	2	0	0	0	0	10
SE	14	3	0	0	0	0	17
SSE	16	1	0	0	0	0	17
S	12	1	0	0	0	0	13
SSW	17	1	0	0	0	0	18
SW	14	2	0	0	0	0	16
WSW	17	0	0	0	0	0	17
W	7	5	0	0	0	0	12
WNW	10	2	0	0	0	0	12
NW	4	4	0	0	0	0	8
NNW	3	6	1	0	0	0	10
TOTAL	142	29	1	0	0	0	172

PERIODS OF CALM (HOURS) 4
 VARIABLE DIRECTION 28

SITE THREE MILE ISLD UNIT UNIT 1 08/18/84 10 26

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063024
 STABILITY CLASS ALL DT/DZ
 ELEVATION SPEED SPI00A DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)						TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	
N	41	42	12	0	0	0	103
NNE	25	24	7	0	0	0	56
NE	26	24	1	0	0	0	51
ENE	26	50	6	1	0	0	83
E	40	37	37	0	0	0	123
ESE	34	60	22	1	0	0	125
SE	37	73	11	1	0	0	122
SSE	35	61	13	1	0	0	141
S	40	50	23	3	0	0	133
SSW	50	63	50	10	0	0	181
SW	41	32	16	2	0	0	91
WSW	54	47	15	1	0	0	117
W	40	40	66	30	0	0	193
WNW	51	43	70	22	1	0	195
NW	47	67	07	56	10	0	267
NNW	50	61	30	30	3	0	190
TOTAL	702	796	403	103	14	0	2100

PERIODS OF CALM (HOURS) 4
 VARIABLE DIRECTION 100
 HOURS OF MISSING DATA 4

1984 2nd QUARTER SPECIFIC RELEASE PERIODS

SITE THREE MILE ISLB. UNIT, UNIT 1 00/16/84 15 04
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063023
 STABILITY CLASS: A DT/DZ
 ELEVATION: SPEED SPIRBA DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED(MPH)					>24 TOTAL
	1-3	4-7	8-12	13-18	19-24	
N	0	0	0	0	0	0
NNE	0	0	0	0	0	0
NE	0	0	0	0	0	0
NENE	0	0	0	0	0	0
E	0	0	0	0	0	0
ESE	0	0	0	0	0	0
SE	0	0	0	0	0	0
SSE	0	0	0	0	0	0
S	0	0	0	0	0	0
SSW	0	0	0	0	0	0
SW	0	0	0	0	0	0
WSW	0	0	0	0	0	0
W	0	0	0	0	0	0
WNW	0	0	0	0	0	0
NW	0	0	0	0	0	0
NNW	0	0	0	0	0	0
TOTAL	14	33	20	0	0	85

PERIODS OF CALMHOURS: 2
 VARIABLE DIRECTION: 4
 HOURS OF MISSING DATA: 1

SITE THREE MILE ISLB. UNIT, UNIT 1 00/16/84 15 05
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063023
 STABILITY CLASS: B DT/DZ
 ELEVATION: SPEED SPIRBA DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED(MPH)					>24 TOTAL
	1-3	4-7	8-12	13-18	19-24	
N	0	0	0	0	0	0
NNE	0	0	0	0	0	0
NE	0	0	0	0	0	0
NENE	0	0	0	0	0	0
E	0	0	0	0	0	0
ESE	0	0	0	0	0	0
SE	0	0	0	0	0	0
SSE	0	0	0	0	0	0
S	0	0	0	0	0	0
SSW	0	0	0	0	0	0
SW	0	0	0	0	0	0
WSW	0	0	0	0	0	0
W	0	0	0	0	0	0
WNW	0	0	0	0	0	0
NW	0	0	0	0	0	0
NNW	0	0	0	0	0	0
TOTAL	7	13	10	3	1	34

PERIODS OF CALMHOURS: 2
 VARIABLE DIRECTION: 4
 HOURS OF MISSING DATA: 1

SITE THREE MILE ISLB. UNIT, UNIT 1 00/16/84 15 06
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063023
 STABILITY CLASS: D DT/DZ
 ELEVATION: SPEED SPIRBA DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED(MPH)					>24 TOTAL
	1-3	4-7	8-12	13-18	19-24	
N	1	1	1	2	0	5
NNE	1	0	0	0	0	1
NE	4	0	0	0	0	18
NENE	3	1	0	0	0	15
E	4	17	13	2	0	26
ESE	2	16	0	0	0	18
SE	0	20	6	0	0	26
SSE	3	14	7	1	0	25
S	2	8	3	1	0	14
SSW	3	4	0	0	0	11
SW	2	6	2	0	0	10
WSW	1	5	2	0	0	8
W	1	4	0	0	0	21
WNW	3	0	4	1	0	17
NW	4	4	3	5	2	18
NNW	1	1	1	0	0	4
TOTAL	35	115	55	20	4	220

PERIODS OF CALMHOURS: 12
 VARIABLE DIRECTION: 2

SITE THREE MILE ISLB. UNIT, UNIT 1 00/16/84 15 06
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063023
 STABILITY CLASS: C DT/DZ
 ELEVATION: SPEED SPIRBA DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED(MPH)					>24 TOTAL
	1-3	4-7	8-12	13-18	19-24	
N	1	0	0	0	0	1
NNE	1	0	0	0	0	1
NE	0	0	0	0	0	0
NENE	0	0	0	0	0	0
E	0	0	0	0	0	0
ESE	0	0	0	0	0	0
SE	0	0	0	0	0	0
SSE	0	0	0	0	0	0
S	0	0	0	0	0	0
SSW	0	0	0	0	0	0
SW	0	0	0	0	0	0
WSW	0	0	0	0	0	0
W	0	0	0	0	0	0
WNW	0	0	0	0	0	0
NW	0	0	0	0	0	0
NNW	0	0	0	0	0	0
TOTAL	4	5	0	1	0	10

PERIODS OF CALMHOURS: 3
 VARIABLE DIRECTION: 2

1984 2nd QUARTER SPECIFIC RELEASE PERIODS

SITE THREE MILE ISL UNIT UNIT 08/16/84 15.07

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063023
 STABILITY CLASS F DT/DZ
 ELEVATION SPEED SPI00A DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)							>24 TOTAL
	1-3	4-7	8-12	13-18	19-24	25-30	31-35	
N	1	0	0	0	0	0	0	2
NNE	1	0	0	0	0	0	0	1
NE	1	0	0	0	0	0	0	1
ENE	0	0	0	0	0	0	0	0
E	5	0	0	0	0	0	0	5
ESE	2	0	0	0	0	0	0	2
SE	2	0	0	0	0	0	0	2
SSE	3	1	0	0	0	0	0	4
S	6	0	1	0	0	0	0	7
SSW	7	2	0	0	0	0	0	9
SW	2	1	0	0	0	0	0	3
WSW	3	1	2	0	0	0	0	4
W	7	2	2	0	0	0	0	9
WNW	2	2	2	0	0	0	0	4
NW	4	4	4	2	0	0	0	10
NNW	6	1	4	1	0	0	0	12
TOTAL	52	14	7	2	0	0	0	75

PERIODS OF CALM (HOURS) 2
 VARIABLE DIRECTION 0
 HOURS OF MISSING DATA 1

SITE THREE MILE ISL UNIT UNIT 08/16/84 15.08

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063023
 STABILITY CLASS ALL DT/DZ
 ELEVATION SPEED SPI00A DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)							>24 TOTAL
	1-3	4-7	8-12	13-18	19-24	25-30	31-35	
N	13	5	3	5	0	0	0	27
NNE	8	2	1	0	0	0	0	11
NE	9	6	0	0	0	0	0	15
ENE	7	14	1	0	0	0	0	22
E	15	11	14	8	0	0	0	48
ESE	14	31	7	1	0	0	0	53
SE	0	37	7	1	0	0	0	55
SSE	18	24	7	1	0	0	0	50
S	18	18	7	1	0	0	0	44
SSW	21	22	18	1	0	0	0	62
SW	14	15	5	0	0	0	0	34
WSW	17	16	6	0	0	0	0	39
W	13	17	22	16	0	0	0	68
WNW	18	10	24	3	1	0	0	56
NW	10	27	27	11	5	0	0	80
NNW	16	17	15	7	1	0	0	56
TOTAL	220	281	161	56	7	0	0	734

PERIODS OF CALM (HOURS) 2
 VARIABLE DIRECTION 60
 HOURS OF MISSING DATA 1

SITE THREE MILE ISL UNIT UNIT 08/16/84 15.06

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063023
 STABILITY CLASS E DT/DZ
 ELEVATION SPEED SPI00A DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)							>24 TOTAL
	1-3	4-7	8-12	13-18	19-24	25-30	31-35	
N	6	0	2	3	0	0	0	11
NNE	4	2	1	0	0	0	0	7
NE	4	0	0	0	0	0	0	4
ENE	3	2	0	0	0	0	0	5
E	3	1	0	6	0	0	0	10
ESE	3	7	1	0	0	0	0	11
SE	3	0	0	1	0	0	0	4
SSE	6	6	0	0	0	0	0	12
S	3	7	3	0	0	0	0	13
SSW	6	10	0	0	0	0	0	16
SW	3	7	1	0	0	0	0	11
WSW	3	7	1	0	0	0	0	11
W	8	8	4	0	0	0	0	20
WNW	5	6	12	1	0	0	0	24
NW	8	6	10	1	0	0	0	25
NNW	5	0	3	4	2	0	0	23
TOTAL	78	80	51	21	2	0	0	242

PERIODS OF CALM (HOURS) 2
 VARIABLE DIRECTION 21
 HOURS OF MISSING DATA 1

SITE THREE MILE ISL UNIT UNIT 08/16/84 15.07

HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 84040101-84063023
 STABILITY CLASS G DT/DZ
 ELEVATION SPEED SPI00A DIRECTION D1100A LAPSE DT150A

WIND DIRECTION	WIND SPEED (MPH)							>24 TOTAL
	1-3	4-7	8-12	13-18	19-24	25-30	31-35	
N	2	0	0	0	0	0	0	2
NNE	1	0	0	0	0	0	0	1
NE	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0
E	2	0	0	0	0	0	0	2
ESE	3	2	0	0	0	0	0	5
SE	4	0	0	0	0	0	0	4
SSE	4	0	0	0	0	0	0	4
S	5	0	0	0	0	0	0	5
SSW	3	0	0	0	0	0	0	3
SW	6	0	0	0	0	0	0	6
WSW	3	0	0	0	0	0	0	3
W	0	4	0	0	0	0	0	4
WNW	3	1	0	0	0	0	0	4
NW	2	0	0	0	0	0	0	2
NNW	1	2	1	0	0	0	0	4
TOTAL	39	11	1	0	0	0	0	51

PERIODS OF CALM (HOURS) 8
 VARIABLE DIRECTION 0
 HOURS OF MISSING DATA 1