

Supplemental Information

Facility TMI - Unit 1License DPR 50-289

1. Regulatory Limits

a. Fission and activation gases:

b. Iodines:

c. Particulates, half-lives > 8days:

d. Liquid effluents:

TMI - Unit 1 Tech Specs
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. $\bar{E} = 2.462\text{E-1 MeV}$

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:

b. Iodines:

c. Particulates:

d. Liquid effluents:

GeLi spectrometry Liquid Scintillation

GeLi spectrometry

GeLi spectrometry gas flow proportional
and beta spectrometry

GeLi spectrometry and liquid scintillation

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:

2. Total time period for batch releases: (min.)

3. Maximum time period for a batch release: (min.)

4. Average time period for batch releases: (min.)

5. Minimum time period for a batch release: (min.)

6. Average stream flow during periods of release

of effluent into a flowing stream: (CFM)

3rd
Quarter4th
Quarter

30

23

23784

24618

3075

6335

793

1070

190

252

5.79 E5

6.63 E5

b. Gaseous

1. Number of batch releases:

2. Total time period for batch releases: (min.)

3. Maximum time period for a batch release: (min.)

4. Average time period for batch releases: (min.)

5. Minimum time period for a batch release: (min.)

20

15

93463

111571

33823

31232

4673

7438

515

540

6. Abnormal Releases

a. Liquid

1. Number of releases

2. Total activity released:

0

0

N/A

N/A

b. Gaseous

1. Number of releases:

2. Total activity released:

0

0

N/A

N/A

8303140198 830228
PDR ADOCK 05000289
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TABLE 1A

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1982)
GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	Unit	Quarter 3rd	Quarter 4th	Est.Total Error, %
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A. Fission & activation gases

1. Total release	Ci	<1.00E-8	<1.00E-8	2.50E1
2. Average release rate for period	µCi/sec	N/A	N/A	
3. Percent of technical specification limit	%	-0-	-0-	

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	2.97E-5	2.27E-5	2.50E1
2. Average release rate for period	µCi/sec	3.73E-6	2.86E-6	
3. Percent of technical specification limit	%	*	*	
4. Gross alpha radioactivity	Ci	<1.00E-11	6.66E-7	

D. Tritium

1. Total release	Ci	5.36E-5	<1.00E-6	2.50E1
2. Average release rate for period	µCi/sec	6.74E-6	N/A	
3. Percent of technical specification limit	%	*	N/A	

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 (1982)
GASEOUS EFFLUENTS - GROUND-LEVEL RELEASES

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter 3rd	Quarter 4th	Quarter 3rd	Quarter 4th
1. Fission gases					
krypton-85	Ci	<1.00E-8	<1.00E-8	<1.00E-8	<1.00E-8
krypton-85m	Ci	<1.00E-8	<1.00E-8	<1.00E-8	<1.00E-8
krypton-87	Ci	<1.00E-8	<1.00E-8	<1.00E-8	<1.00E-8
krypton-88	Ci	<1.00E-8	<1.00E-8	<1.00E-8	<1.00E-8
xenon-133	Ci	<1.00E-8	<1.00E-8	<1.00E-8	<1.00E-8
xenon-135	Ci	<1.00E-8	<1.00E-8	<1.00E-8	<1.00E-8
xenon-135m	Ci	<1.00E-8	<1.00E-8	<1.00E-8	<1.00E-8
xenon-138	Ci	<1.00E-8	<1.00E-8	<1.00E-8	<1.00E-8
Others (specify)	Ci				
	Ci				
	Ci				
unidentified	Ci				
Total for period	Ci	N/A	N/A	N/A	N/A

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	N/A	N/A	N/A	N/A

3. Particulates

strontium-89	Ci	6.83E-7	<1.00E-11	--	--
strontium-90	Ci	3.00E-6	3.59E-7	--	--
cesium-134	Ci	<1.00E-11	<1.00E-11	<1.00E-8	<1.00E-8
cesium-137	Ci	<1.00E-11	<1.00E-11	2.60E-5	2.23E-5
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 (1982)
LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

Unit	Quarter 3rd	Quarter 4th	Est. Total Error, %
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A. Fission and activation products

1. Total release (not including tritium, gases, alpha)	Ci	1.96E-2	1.78E-2	2.50E1
2. Average diluted concentration during period	µCi/ml	1.31E-9	1.39E-9	
3. Percent of applicable limit	%	*	*	

B. Tritium

1. Total release	Ci	7.23E-1	5.77E-1	2.50E1
2. Average diluted concentration during period	µCi/ml	4.82E-8	4.51E-8	
3. Percent of applicable limit	%	*	*	

C. Dissolved and entrained gases

1. Total release	Ci	< 1.00E-4	<1.00E-4	2.50E1
2. Average diluted concentration during period	µCi/ml	N/A	N/A	
3. Percent of applicable limit	%	N/A	N/A	

D. Gross alpha radioactivity

1. Total Release	Ci	1.24E-6	6.58E-10	2.50E1
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E. Volume of waste released (prior to dilution)	liters	5.42E6	6.18E6	1.00E1
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F. Volume of dilution water used during period.	liters	1.50E10	1.28E10	1.00E1
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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 SEMIANNUAL REPORT (1982)
LIQUID EFFLUENTS

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter 3rd	Quarter 4th	Quarter 3rd	Quarter 4th
strontium-89	Ci	<5.00E-8	<5.00E-8	<5.00E-8	3.24E-10
strontium-90	Ci	<5.00E-8	<5.00E-8	1.67E-5	4.00E-9
cesium-134	Ci	<5.00E-7	<5.00E-7	3.26E-3	2.87E-3
cesium-137	Ci	<5.00E-7	<5.00E-7	1.56E-2	1.40E-2
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	6.94E-4	8.46E-4
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	<5.00E-7	<5.00E-7	<5.00E-7	<5.00E-7
Iron-55	Ci	<1.00E-6	<1.00E-6	6.88E-8	6.95E-9
Antimony-125	Ci	<5.00E-7	<5.00E-7	<5.00E-7	9.35E-5
Phosphorus-32	Ci	<1.00E-6	<1.00E-6	<1.00E-6	<1.00E-6

Total for period (above)	Ci	N/A	N/A	1.96E-2	1.78E-2
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xenon-133	Ci	<1.00E-5	<1.00E-5	<1.00E-4	<1.00E-4
xenon-135	Ci	<1.00E-5	<1.00E-5	<1.00E-4	<1.00E-4

TABLE 3A

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1982)
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS
U-1 July to December 1982

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 Ci	1.079 E2 4.682	5%
b. Dry compressible waste, contaminated equipment, etc.**	m ³ Ci	1.995 E2 2.084	5%
c. Irradiated components, control rods, etc.	m ³ Ci	N/A	
d. Other (describe)	m ³ Ci	N/A	

2. Estimate of major nuclide composition (by type of waste)		
a. Co60	2.74%	
Cs 134	17.05%	
Cs 137	79.59%	
Sr 90/Y-90 ea.	0.65%	
b. Cs-137	14.01%	
Co60	56.1%	
Cs-134	2.36%	
Sr-90/Y90 ea.	4.13%	
Ba 137m	13.3%	
c. N/A		
d. N/A		

3. Solid Waste Disposition		
Number of Shipments	Mode of Transportation	Destination
3 (a)	Tractor/Trailer (Flatbed)	Barnwell, SC
7 (b)	Tractor/Trailer (Van)	Barnwell, SC
10 (a)	Tractor/Trailer (Flatbed)	Hanford, WA
2 (b)	Tractor/Trailer (Van)	Hanford, WA

18 Total Shipments; 4 Shipments were a & b combined

B. Irradiated Fuel Shipments (Disposition)

Number of Shipments	Mode of Transportation	Destination
None		

*Shipped in 22 steel Liners 173.2 ft.³, solidified with cement**Shipped in 194 steel drums, 7.5 ft.³, each; 56 steel boxes, 98 ft.³ each and 2 steel liners 50 ft.³ each.

- Attachment - Joint Frequency Table of wind speed and direction from 100 ft. versus ΔT 150-33 ft. for the Third Quarter of 1982.

- Attachment - Joint Frequency Table of wind speed and direction from 100 ft. versus ΔT 150-33 ft. for Unit 1 specific release dates during the Third Quarter of 1982.

- Attachment - Joint Frequency Table of wind speed and direction from 100 ft. versus ΔT 150-33 ft. for the Fourth Quarter of 1982.

- Attachment - Joint Frequency Table of wind speed and direction from 100 ft. versus ΔT 150-33 ft. for Unit 1 specific release dated during the Fourth Quarter of 1982.

- Attachment - Summary of Maximum Individual Dose Accumulation for Third Quarter of 1982.

- Attachment - Summary of Maximum Individual Dose Accumulation for Fourth Quarter of 1982.

THIRD QUARTER of 1982

SIT. THREE MILE ISLD. 01/20/83 11,27
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 8207101-82093024
STABILITY CLASS. A 07/02
ELEVATION, SPEED, SPIRA DIRECTION, D1100A LAPSE, D1100A
WIND SPEED (MPH)

WIND DIRECTION		1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N		8	26	4	8	0	0	38
NNE		3	5	2	0	0	0	10
NE		1	6	2	0	0	0	7
ENE		0	2	0	0	0	0	2
E		3	4	0	0	0	0	7
ESE		1	4	0	0	0	0	5
SE		1	10	0	0	0	0	10
SSE		1	1	0	0	0	0	2
S		3	2	2	0	0	0	7
SSW		3	18	2	0	0	0	23
SW		7	17	1	0	0	0	25
WSW		0	0	1	0	0	0	1
W		10	11	3	2	0	0	26
WNW		11	1	16	0	0	0	38
NW		10	31	31	0	0	0	81
NNW		23	45	12	0	0	0	80
TOTAL		102	202	74	2	0	0	380

PERIODS OF CALM (HOURS): 2
 VARIABLE DIRECTION: 21
 HOURS OF MISSING DATA: 58

SITE: THREE MILE ISLD. 01/20/83 11.28
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 82070101-82093024
STABILITY CLASS. C 01/02
ELEVATION. SPEED: SP100A DIRECTION: D1100A LAPSE: D1150A
WIND SPEED (MPH)

WIND DIRECTION		1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N		0	2	3	0	0	0	5
NNE		0	0	0	0	0	0	0
NE		3	3	2	0	0	0	8
ENE		0	0	0	0	0	0	0
E		0	2	0	0	0	0	2
ESE		0	1	0	0	0	0	1
SE		1	4	0	0	0	0	5
SSE		0	4	0	0	0	0	4
S		0	2	1	0	0	0	3
SSW		2	2	0	0	0	0	4
SW		1	1	0	0	0	0	2
WSW		0	1	0	0	0	0	1
W		4	1	0	1	0	0	6
WNW		1	1	0	3	0	0	5
NW		3	2	3	0	0	0	8
NNW		0	1	2	0	0	0	3
TOTAL		15	27	6	4	0	0	52

PERIODS OF CALM/HOURS, 2
 VARIABLE DIRECTION, 7
 HOURS OF MISSING DATA, 58

SITE, THREE MILE ISLD. 31/28/83 11.28
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD 82070101-82093024
STABILITY CLASS, B D1/0Z
ELEVATION, SPEED, SPI00A DIRECTION, D100A LAPSE, D1100A
WIND SPEED, MPH1

WIND DIRECTION	WIND SPEED (MPH)							
	1-3	4-7	8-12	13-18	19-24	>24	TOTAL	
N	2	2	1	0	0	0	5	
NNE	1	0	0	0	0	0	1	
NNE	0	1	0	0	0	0	1	
ENE	0	3	0	0	0	0	3	
E	0	1	0	0	0	0	1	
ESE	0	5	0	0	0	0	5	
SE	0	7	0	0	0	0	7	
SSE	0	2	0	0	0	0	2	
S	1	2	0	0	0	0	3	
SSW	2	3	2	0	0	0	7	
SW	0	1	0	0	0	0	1	
WSW	1	2	0	0	0	0	3	
W	0	2	0	0	0	0	2	
WNW	3	2	1	0	0	0	6	
NW	2	2	2	0	0	0	6	
NNW	2	1	0	0	0	0	3	
TOTAL	16	36	8	2	0	0	62	

PERIODS OF CAL (HOURS), 2
 VARIABLE DIRECTION 0
 HOURS OF MISSING DATA, 58

SITE, THREE MILE ISLD. AT EACH WIND SPEED AND DIRECTION
HOURS. PERIOD OF RECORD = 62870101-82803024 81/28/83 11.20
STABILITY CLASS. D1/D2
ELEVATION. SPEED. SPIRRA DIRECTION. DI180A LAPSE. DT150A

WIND DIRECTION		WIND SPEED(MPH)											TOTAL									
DIRECTION		1-3	4-7	8-12	13-18	19-24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
N	NNE	0	13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	NNE	2	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	ENE	4	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	ESE	12	11	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	ESE	18	24	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	SSE	18	37	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	SSE	4	30	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	SSW	11	14	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	SSW	5	18	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SV	SV	10	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VS	VS	8	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V	V	8	5	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VNW	VNW	11	10	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	NW	7	14	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	NW	13	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		150	225	97	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERIODS OF CALM(HOURS)		2																				
VARIABLE DIRECTION		44																				
HOURS OF MISSING DATA		58																				

SITE, THREE MILE ISLD. 02/01/83 11.37
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 82070101-82093024
 STABILITY CLASS, E 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	10	35	0	0	0	0	53
NNE	4	18	1	0	0	0	23
NE	18	7	1	0	0	0	26
ENE	17	7	2	0	0	0	26
E	40	25	0	0	0	0	65
ESE	23	20	1	0	0	0	52
SE	16	22	0	0	0	0	38
SSE	14	35	2	0	0	0	51
S	26	38	3	0	0	0	67
SSW	15	37	4	0	0	0	56
SW	22	20	0	0	0	0	42
WSW	34	15	3	0	0	0	52
W	26	13	4	0	0	0	43
WNW	17	20	0	0	0	0	46
NW	12	25	12	3	0	0	52
NNW	14	16	8	1	0	0	39
TOTAL	308	361	58	4	0	0	731

PERIODS OF CALM(HOURS), 2
 VARIABLE DIRECTION, 66
 HOURS OF MISSING DATA, 58

SITE, THREE MILE ISLD. 02/01/83 11.38
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 82070101-82093024
 STABILITY CLASS, F 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	12	0	0	0	0	19
NNE	4	1	0	0	0	0	5
NE	4	0	0	0	0	0	4
ENE	6	6	0	0	0	0	12
E	20	0	0	0	0	0	20
ESE	42	13	0	0	0	0	55
SE	37	0	0	0	0	0	46
SSE	25	4	0	0	0	0	29
S	18	1	0	0	0	0	19
SSW	24	3	0	0	0	0	27
SW	20	1	0	0	0	0	30
WSW	10	1	0	0	0	0	20
W	20	10	0	0	0	0	30
WNW	10	12	0	0	0	0	22
NW	12	13	4	1	0	0	30
NNW	14	20	5	0	0	0	39
TOTAL	291	115	0	1	0	0	416

PERIODS OF CALM(HOURS), 2
 VARIABLE DIRECTION, 37
 HOURS OF MISSING DATA, 58

SITE, THREE MILE ISLD. 02/01/83 11.36
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 82070101-82093024
 STABILITY CLASS, G 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	1	0	0	0	0	0	1
NNE	1	0	0	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	2	0	0	0	0	0	2
E	12	2	0	0	0	0	14
ESE	18	3	0	0	0	0	21
SE	5	1	0	0	0	0	6
SSE	6	1	0	0	0	0	7
S	0	0	0	0	0	0	0
SSW	4	1	0	0	0	0	5
SW	2	1	0	0	0	0	3
WSW	6	1	0	0	0	0	7
W	3	0	0	0	0	0	3
WNW	1	1	0	0	0	0	2
NW	2	6	0	0	0	0	8
NNW	1	0	0	0	0	0	1
TOTAL	73	17	0	0	0	0	90

PERIODS OF CALM(HOURS), 2
 VARIABLE DIRECTION, 6
 HOURS OF MISSING DATA, 58

SITE, THREE MILE ISLD. 02/01/83 11.30
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 82070101-82093024
 STABILITY CLASS, ALL 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	37	00	14	1	0	0	142
NNE	21	30	5	0	0	0	56
NE	20	22	1	0	0	0	51
ENE	20	28	3	0	0	0	60
E	87	54	3	2	0	0	146
ESE	92	78	3	0	0	0	173
SE	60	00	4	0	0	0	163
SSE	52	77	6	0	0	0	135
S	68	50	12	0	0	0	130
SSW	55	82	18	0	0	0	155
SW	71	48	6	0	0	0	125
WSW	77	37	5	0	0	0	110
W	71	42	15	5	0	0	133
WNW	54	57	33	4	0	0	148
NW	57	03	55	6	1	0	212
NNW	67	06	20	1	0	0	193
TOTAL	935	983	212	19	1	0	2150

PERIODS OF CALM(HOURS), 2
 VARIABLE DIRECTION, 103
 HOURS OF MISSING DATA, 58

THIRD QUARTER of 1982
SPECIFIC RELEASES

SITE, THREE MILE ISLD. 01/28/83 11:48
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 82070310-82093024
STABILITY CLASS, A 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	5	16	3	0	0	0	24
NNE	2	4	1	0	0	0	7
NE	1	6	0	0	0	0	7
ENE	0	1	0	0	0	0	1
E	3	3	0	0	0	0	6
ESE	1	3	0	0	0	0	4
SE	0	10	0	0	0	0	10
SSE	1	1	0	0	0	0	2
S	2	1	2	0	0	0	5
SSW	1	14	2	0	0	0	17
SW	7	0	0	0	0	0	16
WSW	0	7	1	0	0	0	17
W	7	8	2	2	0	0	19
WNW	0	6	11	0	0	0	25
NW	15	23	26	0	0	0	64
NNW	16	20	10	0	0	0	55
TOTAL	78	141	58	2	0	0	279
PERIODS OF CALM(HOURS),	2						
VARIABLE DIRECTION	16						
HOURS OF MISSING DATA,	43						

SITE, THREE MILE ISLD. 01/28/83 11:40
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 82070310-82093024
STABILITY CLASS, B 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	2	1	0	0	0	5
NNE	1	0	0	0	0	0	1
NE	0	1	0	0	0	0	1
ENE	0	3	0	0	0	0	3
E	0	1	0	0	0	0	1
ESE	0	2	0	0	0	0	2
SE	0	7	0	0	0	0	7
SSE	2	2	0	0	0	0	4
S	0	2	1	0	0	0	3
SSW	0	3	2	0	0	0	5
SW	0	1	0	0	0	0	1
WSW	1	1	0	0	0	0	2
W	0	1	0	2	0	0	3
WNW	3	2	1	0	0	0	6
NW	2	2	2	0	0	0	6
NNW	2	1	0	0	0	0	3
TOTAL	13	31	7	2	0	0	53
PERIODS OF CALM(HOURS),	2						
VARIABLE DIRECTION	8						
HOURS OF MISSING DATA,	43						

SITE, THREE MILE ISLD. 01/28/83 11:40
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 82070310-82093024
STABILITY CLASS, C 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	2	0	0	0	0	2
NNE	0	0	0	0	0	0	0
NE	2	3	0	0	0	0	5
ENE	0	0	0	0	0	0	0
E	0	1	0	0	0	0	1
ESE	0	1	0	0	0	0	1
SE	1	3	0	0	0	0	4
SSE	0	4	0	0	0	0	4
S	0	2	1	0	0	0	3
SSW	1	2	0	0	0	0	3
SW	1	1	0	0	0	0	2
WSW	0	1	0	0	0	0	1
W	3	1	0	1	0	0	5
WNW	1	1	0	3	0	0	5
NW	3	2	2	0	0	0	7
NNW	0	1	2	0	0	0	3
TOTAL	12	25	5	4	0	0	46
PERIODS OF CALM(HOURS),	2						
VARIABLE DIRECTION	5						
HOURS OF MISSING DATA,	43						

SITE, THREE MILE ISLD. 01/28/83 11:00
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 82070310-82093024
STABILITY CLASS, D 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	6	0	1	1	0	0	17
NNE	5	1	0	0	0	0	6
NE	1	5	0	0	0	0	6
ENE	4	0	1	0	0	0	13
E	10	4	2	2	0	0	18
ESE	5	14	1	0	0	0	20
SE	6	26	4	0	0	0	36
SSE	3	25	4	0	0	0	32
S	8	11	4	0	0	0	23
SSW	5	12	0	0	0	0	25
SW	8	7	1	0	0	0	16
WSW	0	6	1	0	0	0	15
W	6	5	7	0	0	0	18
WNW	7	6	6	1	0	0	20
NW	3	11	3	2	1	0	20
NNW	0	11	2	0	0	0	22
TOTAL	94	161	45	6	1	0	307
PERIODS OF CALM(HOURS),	2						
VARIABLE DIRECTION	32						
HOURS OF MISSING DATA,	43						

SITE: THREE MILE ISLD. 01/20/83 11.50
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 02070310-02093024
 STABILITY CLASS: E DT/OZ
 ELEVATION: SPEED:SP100A DIRECTION:DI100A LAPSE:DT150A

WIND SPEED(MPH)							
WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	24	7	0	0	0	36
NNE	3	14	1	0	0	0	18
NE	11	5	1	0	0	0	17
ENE	7	5	2	0	0	0	14
E	20	12	0	0	0	0	32
ESE	11	14	0	0	0	0	25
SE	12	16	0	0	0	0	28
SSE	0	30	2	0	0	0	40
S	14	30	3	0	0	0	47
SSW	11	31	2	0	0	0	44
SW	17	15	0	0	0	0	32
WSW	27	14	0	0	0	0	41
W	10	11	2	0	0	0	32
WNW	11	16	7	0	0	0	34
NW	7	10	6	1	0	0	33
NNW	11	11	6	1	0	0	29
TOTAL	194	267	30	2	0	0	502

PERIODS OF CALM(HOURS): 2
 VARIABLE DIRECTION 38
 HOURS OF MISSING DATA: 43

SITE: THREE MILE ISLD. 01/20/83 11.50
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 02070310-02093024
 STABILITY CLASS: F DT/OZ
 ELEVATION: SPEED:SP100A DIRECTION:DI100A LAPSE:DT150A

WIND SPEED(MPH)							
WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	0	0	0	0	0	11
NNE	4	1	0	0	0	0	5
NE	2	0	0	0	0	0	2
ENE	0	4	0	0	0	0	4
E	13	6	0	0	0	0	19
ESE	20	10	0	0	0	0	30
SE	27	5	0	0	0	0	32
SSE	22	3	0	0	0	0	25
S	0	1	0	0	0	0	1
SSW	18	2	0	0	0	0	20
SW	15	1	0	0	0	0	16
WSW	16	1	0	0	0	0	17
W	14	7	0	0	0	0	21
WNW	0	0	0	0	0	0	0
NW	0	10	3	0	0	0	13
NNW	10	12	4	0	0	0	26
TOTAL	207	78	7	0	0	0	292

PERIODS OF CALM(HOURS): 2
 VARIABLE DIRECTION 25
 HOURS OF MISSING DATA: 43

SITE: THREE MILE ISLD. 01/20/83 11.51
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 02070310-02093024
 STABILITY CLASS: G DT/OZ
 ELEVATION: SPEED:SP100A DIRECTION:DI100A LAPSE:DT150A

WIND SPEED(MPH)							
WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	0	0	0	0	0	0
NNE	1	0	0	0	0	0	1
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	2
SE	2	1	0	0	0	0	3
SSE	2	1	0	0	0	0	3
S	3	0	0	0	0	0	3
SSW	2	0	0	0	0	0	2
SW	0	0	0	0	0	0	0
WSW	3	1	0	0	0	0	4
W	2	0	0	0	0	0	2
WNW	1	1	0	0	0	0	2
NW	2	5	0	0	0	0	7
NNW	0	0	0	0	0	0	0
TOTAL	32	12	0	0	0	0	44

PERIODS OF CALM(HOURS): 2
 VARIABLE DIRECTION 4

SITE: THREE MILE ISLD. 01/20/83 11.52
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 02070310-02093024
 STABILITY CLASS: ALL DT/OZ
 ELEVATION: SPEED:SP100A DIRECTION:DI100A LAPSE:DT150A

WIND SPEED(MPH)							
WIND DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	23	50	12	1	0	0	86
NNE	16	22	2	0	0	0	40
NE	17	20	1	0	0	0	38
ENE	18	21	3	0	0	0	42
E	50	20	2	2	0	0	74
ESE	54	46	1	0	0	0	101
SE	48	68	4	0	0	0	120
SSE	38	66	6	0	0	0	110
S	36	47	11	0	0	0	94
SSW	30	64	14	0	0	0	108
SW	40	34	1	0	0	0	75
WSW	64	31	2	0	0	0	97
W	51	33	11	5	0	0	100
WNW	40	41	25	4	0	0	110
NW	41	72	42	3	1	0	159
NNW	48	65	24	1	0	0	138
TOTAL	630	715	161	16	1	0	1523

PERIODS OF CALM(HOURS): 2
 VARIABLE DIRECTION 128

FOURTH QUARTER OF 1982

SITE, THREE MILE ISLD. 01/20/83 11.36
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 82100101-82123124
 STABILITY CLASS, A CT/DZ
 ELEVATION, SPEED, SPI80A DIRECTION, DI100A LAPSE, DT150A

WIND DIRECTION	WIND SPEED(MPH)								>24 TOTAL
	1-3	4-7	8-12	13-18	10-24	10-24	10-24	10-24	
N	7	6	7	7	4	0	0	0	31
NNE	2	1	1	0	0	0	0	0	4
NNE	0	0	1	0	0	0	0	0	1
ENE	0	0	1	0	0	0	0	0	4
E	1	1	0	0	0	0	0	0	2
ESE	5	1	2	0	0	0	0	0	8
SE	5	4	0	0	0	0	0	0	9
SSE	8	3	0	0	0	0	0	0	11
S	0	11	5	0	0	0	0	0	25
SSW	7	10	6	0	0	0	0	0	23
SW	6	5	2	0	0	0	0	0	13
WSW	5	1	1	0	0	0	0	0	7
W	3	4	6	2	0	0	0	0	15
WNW	0	5	7	12	1	0	0	0	30
NW	6	7	16	6	5	0	0	0	40
NNW	10	16	21	0	2	2	0	0	60
TOTAL	70	76	78	36	12	2	2	283	

PERIODS OF CALMHOURS, 4
 VARIABLE DIRECTION 18
 HOURS OF MISSING DATA, 112

SITE, THREE MILE ISLD. 01/20/83 11.37
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 82100101-82123124
 STABILITY CLASS, C CT/DZ
 ELEVATION, SPEED, SPI80A DIRECTION, DI100A LAPSE, DT150A

WIND DIRECTION	WIND SPEED(MPH)								>24 TOTAL
	1-3	4-7	8-12	13-18	10-24	10-24	10-24	10-24	
N	2	1	0	0	0	0	0	0	3
NNE	0	0	0	0	0	0	0	0	0
NNE	2	0	0	0	0	0	0	0	2
ENE	0	1	0	0	0	0	0	0	1
E	1	0	0	0	0	0	0	0	1
ESE	1	4	2	0	0	0	0	0	7
SE	2	1	1	0	0	0	0	0	4
SSE	2	2	1	0	0	0	0	0	5
S	0	2	1	0	0	0	0	0	3
SSW	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0
W	0	0	2	2	0	0	0	0	2
WNW	0	0	0	0	0	0	0	0	0
NW	1	2	1	2	1	0	0	0	7
NNW	1	1	2	0	0	0	0	0	4
TOTAL	13	15	13	7	2	0	0	50	

PERIODS OF CALMHOURS, 4
 VARIABLE DIRECTION 6
 HOURS OF MISSING DATA, 112

SITE, THREE MILE ISLD. 01/20/83 11.36
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 82100101-82123124
 STABILITY CLASS, B DT/DZ
 ELEVATION, SPEED, SPI80A DIRECTION, DI100A LAPSE, DT150A

WIND DIRECTION	WIND SPEED(MPH)								>24 TOTAL
	1-3	4-7	8-12	13-18	10-24	10-24	10-24	10-24	
N	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0
E	0	1	0	0	0	0	0	0	1
ESE	0	0	1	0	0	0	0	0	1
SE	0	2	1	0	0	0	0	0	3
SSE	2	3	0	0	0	0	0	0	5
S	1	2	3	1	0	0	0	0	7
SSW	1	1	0	0	0	0	0	0	2
SW	0	0	0	0	0	0	0	0	1
WSW	0	0	0	0	0	0	0	0	0
W	0	0	2	1	0	0	0	0	3
WNW	0	0	1	2	2	0	0	0	6
NW	0	0	1	0	1	0	0	0	2
NNW	1	1	0	0	0	0	0	0	2
TOTAL	5	11	11	4	3	0	34		

PERIODS OF CALMHOURS, 4
 VARIABLE DIRECTION 2
 HOURS OF MISSING DATA, 112

SITE, THREE MILE ISLD. 01/20/83 11.37
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORD = 82100101-82123124
 STABILITY CLASS, D DT/DZ
 ELEVATION, SPEED, SPI80A DIRECTION, DI100A LAPSE, DT150A

WIND DIRECTION	WIND SPEED(MPH)								>24 TOTAL
	1-3	4-7	8-12	13-18	10-24	10-24	10-24	10-24	
N	0	0	15	4	0	0	0	0	37
NNE	6	6	4	0	0	0	0	0	16
NNE	4	14	0	0	0	0	0	0	18
ENE	6	7	0	0	0	0	0	0	13
E	24	17	13	1	0	0	0	0	55
ESE	26	52	8	0	0	0	0	0	86
SE	14	22	2	0	0	0	0	0	38
SSE	17	32	15	0	0	0	0	0	65
S	8	35	16	5	0	0	0	0	64
SSW	4	12	6	0	0	0	0	0	22
SW	2	4	3	0	0	0	0	0	9
WSW	1	4	2	0	0	0	0	0	7
W	4	0	10	3	0	0	0	0	36
WNW	1	12	40	20	5	1	0	0	88
NW	3	13	35	10	6	0	0	0	76
NNW	4	12	0	7	1	0	0	0	33
TOTAL	133	260	180	68	13	1	663		

PERIODS OF CALMHOURS, 4
 VARIABLE DIRECTION 48
 HOURS OF MISSING DATA, 112

01/20/83 11.30
SITE THREE MILE ISLD.
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD * 82100101-02123124
STABILITY CLASS. E DT/DZ
ELEVATION. SPEED, SPI00A DIRECTION, DT100A LAPSE, DT150A

DIRECTION	WIND SPEED (MPH)							TOTAL
	1-3	4-7	8-12	13-18	19-24	>24		
N	25	20	1	0	0	0	46	
NNE	8	4	1	0	0	0	13	
NE	8	5	0	0	0	0	13	
ENE	21	4	0	0	0	0	25	
E	31	12	1	0	0	0	44	
ESE	35	33	0	0	0	0	68	
SE	22	38	0	0	0	0	60	
SSE	11	35	1	0	0	0	47	
S	24	24	10	4	0	0	68	
SSW	16	15	6	3	0	0	40	
SV	7	0	10	0	0	0	26	
WSW	13	18	6	0	0	0	37	
W	13	10	1	4	0	0	47	
VNW	10	18	10	3	0	0	50	
NW	6	11	10	6	0	0	33	
NNW	14	22	0	0	0	0	45	
TOTAL	260	285	85	20	0	0	650	

PERIODS OF CALMHOURS	4
VARIABLE DIRECTION	85
HOURS OF MISSING DATA	112

SITE, THREE MILE ISLD. 01/28/83 11:30
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 82128121-82123124
STABILITY CLASS. C DT/OZ
SPEED, SPIRA DIRECTION, D100A LAPSE, DT150A
ELEVATION

VIND DIRECTION	VIND SPEED(MPH)								TOTAL
	1-3	4-7	8-12	13-18	19-24	>24	TOTAL		
N	2	3	0	0	0	0	5		
NE	1	0	0	0	0	0	1		
ENE	1	0	0	0	0	0	1		
E	6	1	0	0	0	0	7		
ESE	12	5	0	0	0	0	13		
SE	12	4	0	0	0	0	17		
SSE	15	1	0	0	0	0	16		
S	20	3	0	0	0	0	23		
SSW	7	2	0	0	0	0	9		
SW	4	0	0	0	0	0	4		
WSW	6	0	0	0	0	0	6		
W	4	6	0	0	0	0	10		
WNW	0	0	0	0	0	0	0		
NW	0	6	2	0	0	0	8		
NNW	4	4	1	0	0	0	10		
TOTAL	111	36	3	1	0	0	151		

PERIODS OF CALM: HOURS: 4
VARIABLE DIRECTION 10
UNOS OF MISSING DATA: 112

SIZE, THREE MILE ISLD.
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 82180101-82123124
STABILITY CLASS. F DT/OZ
ELEVATION. SPEED, SPI00A DIRECTION, DI128A LAPSE, DT158A

WIND		WIND SPEED (MPH)							TOTAL
DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL		
N	2	0	0	0	0	0	0	2	
NNE	3	0	0	0	0	0	0	3	
NE	3	2	0	0	0	0	0	5	
ENE	6	2	0	0	0	0	0	8	
E	21	5	0	0	0	0	0	26	
ESE	22	0	0	0	0	0	0	31	
SE	21	7	0	0	0	0	0	28	
SSE	14	5	0	0	0	0	0	19	
S	18	2	0	0	0	0	0	20	
SSW	21	4	0	0	0	0	0	25	
SW	13	1	0	1	0	0	0	15	
WSW	15	3	1	0	0	0	0	19	
W	10	0	0	0	0	0	0	10	
WNW	7	0	0	0	0	0	0	7	
NW	3	3	0	0	0	0	0	6	
NNW	0	16	2	0	0	0	0	18	
TOTAL	184	75	5	1	0	0	0	265	

PERIODS OF CALMHOURS,	4
VARIABLE DIRECTION,	78
HOURS OF MISSING DATA,	112

SITE, THREE MILE ISLD. 01/20/03 11,35
 HOURS AT EACH WIND SPEED AND DIRECTION
 PERIOD OF RECORC = 82108101-82123124
 STABILITY CLASS. ALL 01/02
 ELEVATION, SPEED, SPI02A DIRECTION, DI102A LAPSE, DT150A

WIND SPEED(MPH)							
DIRECTION	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	47	47	23	11	4	0	132
NNE	20	11	6	0	0	0	37
NE	18	21	2	0	0	0	41
ENE	30	16	3	0	0	0	50
E	00	37	14	1	0	0	142
ESE	101	104	13	0	0	0	218
SE	76	76	4	0	0	0	158
SSE	68	80	10	0	0	0	166
S	78	79	35	10	0	0	202
SSW	56	46	10	3	0	0	124
SW	32	10	16	1	0	0	60
WSW	40	26	10	0	0	0	76
W	34	46	40	10	1	0	131
WNW	28	36	60	51	0	1	104
NW	10	42	57	33	13	0	174
NNW	30	72	44	17	3	2	177
TOTAL	785	750	303	137	30	3	2006

PERIODS OF CALM(HOURS),	4
VARIABLE DIRECTION,	205
HOURS OF MISSING DATA,	112

FOURTH QUARTER of 1982
SPECIFIC RELEASES

SITE, THREE MILE ISLD. 01/28/83 12:00
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 02100101-02123124
STABILITY CLASS, A DT/DZ
ELEVATION, SPEED SPI00A DIRECTION, DI100A LAPSE, DT150A

WIND DIRECTION	WIND SPEED(MPH)						
	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0	4	4	7	4	0	27
NNE	2	0	0	0	0	0	2
NE	0	0	1	0	0	0	1
ENE	0	1	3	0	0	0	4
E	0	1	0	0	0	0	1
ESE	4	0	2	0	0	0	6
SE	5	1	0	0	0	0	6
SSE	4	3	0	0	0	0	7
S	6	0	4	0	0	0	10
SSW	5	7	4	0	0	0	16
SW	3	4	2	0	0	0	9
WSW	4	0	1	0	0	0	5
W	2	3	5	1	0	0	11
WNW	3	4	1	12	1	0	24
NW	5	4	16	6	5	0	36
NNW	6	0	16	0	2	2	44
TOTAL	57	40	62	35	12	2	217

PERIODS OF CALM(HOURS), 4
VARIABLE DIRECTION, 15
HOURS OF MISSING DATA, 07

SITE, THREE MILE ISLD. 01/28/83 12:01
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 02100101-02123124
STABILITY CLASS, B DT/DZ
ELEVATION, SPEED SPI00A DIRECTION, DI100A LAPSE, DT150A

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

PERIODS OF CALM(HOURS), 4
VARIABLE DIRECTION, 1
HOURS OF MISSING DATA, 07

SITE, THREE MILE ISLD. 01/28/83 12:01
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 02100101-02123124
STABILITY CLASS, C DT/DZ
ELEVATION, SPEED SPI00A DIRECTION, DI100A LAPSE, DT150A

WIND DIRECTION	WIND SPEED(MPH)						
	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1	1	0	0	0	0	2
NNE	0	0	0	0	0	0	0
NE	1	0	0	0	0	0	1
ENE	0	1	0	0	0	0	1
E	0	0	0	0	0	0	0
ESE	0	1	2	0	0	0	3
SE	2	0	1	0	0	0	3
SSE	0	0	1	0	0	0	1
S	0	1	1	0	0	0	2
SSW	0	2	0	0	0	0	2
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	5	1	0	7
NW	1	0	1	2	1	0	5
NNW	0	1	2	0	0	0	3
TOTAL	5	7	0	7	2	0	30

PERIODS OF CALM(HOURS), 4
VARIABLE DIRECTION, 2
HOURS OF MISSING DATA, 07

SITE, THREE MILE ISLD. 01/28/83 12:02
HOURS AT EACH WIND SPEED AND DIRECTION
PERIOD OF RECORD = 02100101-02123124
STABILITY CLASS, D DT/DZ
ELEVATION, SPEED SPI00A DIRECTION, DI100A LAPSE, DT150A

WIND DIRECTION	WIND SPEED(MPH)						
	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5	0	15	4	0	0	33
NNE	4	5	4	0	0	0	13
NE	4	14	0	0	0	0	18
ENE	2	6	0	0	0	0	8
E	24	12	0	1	0	0	46
ESE	22	47	5	0	0	0	74
SE	13	16	2	0	0	0	31
SSE	12	10	16	0	0	0	48
S	4	25	16	5	0	0	50
SSW	2	4	6	0	0	0	12
SW	1	2	1	0	0	0	4
WSW	1	3	2	0	0	0	6
W	4	0	17	3	1	0	33
WNW	1	10	40	20	5	1	86
NW	0	0	31	10	6	0	65
NNW	4	11	0	7	1	0	31
TOTAL	103	100	172	60	13	1	556

PERIODS OF CALM(HOURS), 4
VARIABLE DIRECTION, 20
HOURS OF MISSING DATA, 07

UNIT 1 THIRD QUARTER-1982
SUMMARY OF MAXIMUM INDIVIDUAL DOSES
ACCUMULATIONS FOR

Liquid	July 1, 1982 through September 30, 1982
Gaseous	July 1, 1982 through September 30, 1982
Air	July 1, 1982 through September 30, 1982

<u>Effluent</u>	<u>Applicable Organ</u>	<u>Estimated Dose (mrem)</u>	<u>Age Group</u>	<u>Location Dist Dir (M) (Toward)</u>	<u>% Of Applicable Limit</u>	<u>Limit (MR)</u>
Liquid	Total Body	2.10E-01	Adult	Receptor 1	7.0E 00	3.0
Liquid	Liver	3.15E-01	Teen	Receptor 1	3.1E 00	10.0

Iodine & Particulates	Bone	3.53E-3	Child	750 SE	2.3E-02	15.0

SUMMARY OF POPULATION DOSES
ACCUMULATIONS FOR

Liquid	July 1, 1982 through September 30, 1982
Gaseous	July 1, 1982 through September 30, 1982

<u>Effluent</u>	<u>Applicable Organ</u>	<u>Estimated Population Dose (Person-Rem)</u>
Liquid	Total Body	4.40E-2
Liquid	Liver	8.36E-2
Gaseous	Total Body	6.70E-3
Gaseous	Bone, Lung	2.30E-2

UNIT 1 FOURTH QUARTER-1982
SUMMARY OF MAXIMUM INDIVIDUAL DOSES
ACCUMULATIONS FOR

Liquid	October 1, 1982 through December 31, 1982
Gaseous	October 1, 1982 through December 31, 1982
Air	October 1, 1982 through December 31, 1982

<u>Effluent</u>	<u>Applicable Organ</u>	<u>Estimated Dose (mrem)</u>	<u>Age Group</u>	<u>Location Dist Dir (M) (toward)</u>	<u>% Of Applicable Limit</u>	<u>Limit (MR)</u>
Liquid	Total Body	2.19E-01	Adult	Receptor 1	7.3E 00	3.0
Liquid	Liver	3.29E-01	Teen	Receptor 1	3.3E 00	10.0
<hr style="border-top: 1px dashed black;"/>						
Iodine & Particulates	Bone	1.95-04	Child	630 ESE	1.3E-03	15.0

SUMMARY OF POPULATION DOSES
ACCUMULATIONS FOR

Liquid	October 1, 1982 through December 31, 1982
Gaseous	October 1, 1982 through December 31, 1982

<u>Effluent</u>	<u>Applicable Organ</u>	<u>Estimated Population Dose (Person-Rem)</u>
Liquid	Total Body	4.5E-02
Liquid	Liver	8.7E-02
Gaseous	Total Body	4.6E-04
Gaseous	Liver, Skin	8.7E-04
