

TABLE 4C

Meteorological Data Summary January - December

EXTREMELY UNSTABLE STABILITY CLASS A
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 10-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	4.4	.2	.0	.0	.0	.0	.0	4.6	.1
NNE	4.0	.2	.0	.0	.0	.0	.0	4.1	.1
NE	3.2	.3	.0	.0	.0	.0	.0	3.5	.1
ENE	5.9	.1	.0	.0	.0	.0	.0	4.0	.1
E	5.2	.2	.0	.0	.0	.0	.0	3.5	.1
ESE	4.5	.1	.0	.0	.0	.0	.0	4.5	.1
SE	3.5	1.1	.1	.0	.0	.0	.0	4.5	.1
E S E	3.3	.3	.0	.0	.0	.0	.0	4.6	.1
SSE	4.0	.4	.0	.0	.0	.0	.0	4.5	.1
S	6.4	.9	.0	.0	.0	.0	.0	7.3	.1
SSW	6.3	1.0	.0	.0	.0	.0	.1	7.4	.2
SW	7.2	1.3	.0	.0	.0	.0	.0	8.5	.2
WSW	5.4	.5	.0	.0	.0	.0	.0	5.9	.1
W	9.3	.2	.2	.0	.0	.0	.0	9.6	.2
WNW	10.7	1.3	.2	.0	.0	.0	.0	12.1	.3
NW	7.1	3.3	.0	.0	.0	.0	.0	10.9	.3
NNW	.3							.3	
CALM									

TOTAL	55.9	12.6	.4	.0	.0	.0	.1	100.0	.1

4. HOURS OF BAD OR MISSING DATA OR .3 PERCENT FOR 1213 HOURS

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TABLE 4C (Continued)

MODERATELY UNSTABLE STABILITY CLASS B
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 10-M LEVEL

		0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
	N	6.1	.3	.0	.0	.0	.0	.0	6.4	.1
	NNE	4.5	.4	.0	.0	.0	.0	.0	4.8	.1
	NE	3.1	.5	.0	.0	.0	.0	.0	5.6	.1
	NNE	2.4	.4	.0	.0	.0	.0	.0	2.7	.0
	E	2.7	.4	.0	.0	.0	.0	.0	2.9	.0
	ESE	4.3	.4	.0	.0	.0	.0	.0	4.5	.1
	SE	5.3	.8	.0	.0	.0	.0	.0	6.1	.1
	ESE	6.7	.8	.0	.0	.0	.0	.0	7.5	.2
	S	4.0	1.0	.0	.0	.0	.0	.0	5.9	.1
	SSE	6.3	.7	.0	.0	.0	.0	.0	9.1	.2
	SSW	6.1	.7	.0	.0	.0	.0	.0	6.9	.1
	WSW	5.3	1.7	.0	.0	.0	.0	.0	6.7	.1
	W	6.4	.0	.0	.0	.0	.0	.0	6.4	.1
	WNW	6.9	.0	.0	.0	.0	.0	.0	6.9	.1
	NW	7.7	.4	.0	.0	.0	.0	.0	8.0	.2
	NNW	7.7	.8	.0	.0	.0	.0	.0	8.5	.2
	CALM	1.1							1.1	

	TOTAL	91.2	3.3	.0	.0	.0	.0	.0	100.0	.1

1. HOURS OF BAD OR MISSING DATA OR .3 PERCENT FOR 376 HOURS

TABLE 4C (Continued)

SLIGHTLY UNSTABLE STABILITY CLASS C
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 10-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	3.1	.7	.0	.0	.0	.0	.0	3.8	.1
NNE	5.8	.4	.0	.0	.0	.0	.0	6.2	.1
NE	6.4	1.1	.0	.0	.0	.0	.0	7.5	.1
NNE	4.9	.2	.0	.0	.0	.0	.0	5.1	.1
E	4.4	.0	.0	.0	.0	.0	.0	4.4	.1
ESE	2.7	.2	.0	.0	.0	.0	.0	2.9	.0
ESE	2.9	.2	.0	.0	.0	.0	.0	3.1	.1
SE	5.5	.9	.0	.0	.0	.0	.0	6.4	.1
SE	3.2	2.0	.2	.0	.0	.0	.0	10.5	.3
SSE	5.6	.2	.4	.0	.0	.0	.0	6.9	.2
SSW	5.0	.4	.0	.0	.0	.0	.0	6.4	.1
SW	5.2	.4	.0	.0	.0	.0	.0	6.7	.1
WSW	6.2	.0	.0	.0	.0	.0	.0	6.2	.1
W	5.6	.2	.0	.0	.0	.0	.0	5.8	.1
WNW	6.7	.7	.0	.0	.0	.0	.0	7.3	.1
NW	8.7	.7	.2	.0	.0	.0	.0	9.6	.2
NNW	.9							.9	
CALM									
TOTAL	90.0	9.1	.9	.0	.0	.0	.0	100.0	.1

3. HOURS OF BAD OR MISSING DATA OR .7 PERCENT FOR 452 HOURS

TABLE 4C (Continued)

NEUTRAL STABILITY CLASS D
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 10-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	3.0	1.4	.1	.0	.0	.0	.0	9.5	.2
NNE	3.3	.4	.0	.0	.0	.0	.0	6.8	.1
NE	3.6	.1	.0	.0	.0	.0	.0	5.7	.1
ENE	3.0	.1	.0	.0	.0	.0	.0	5.1	.1
D E	3.0	.1	.0	.0	.0	.0	.0	3.0	.0
I ESE	3.3	.1	.0	.0	.0	.0	.0	3.4	.0
R SE	4.4	.2	.0	.0	.0	.0	.0	5.2	.1
W E SSE	5.1	1.4	.0	.0	.0	.0	.0	7.5	.1
I C S	7.0	4.7	.0	.0	.0	.0	.0	11.7	.3
N T SSW	7.1	1.5	.0	.0	.0	.0	.0	8.6	.2
D I SW	3.3	.5	.1	.0	.0	.0	.0	3.9	.1
O WSW	3.5	.4	.0	.0	.0	.0	.0	4.1	.1
N W	3.5	.1	.0	.0	.0	.0	.0	3.6	.0
WNW	2.7	.0	.0	.0	.0	.0	.0	2.7	.0
NW	4.3	.4	.1	.0	.0	.0	.0	5.3	.1
NNW	3.1	1.3	.2	.0	.0	.0	.0	10.2	.2
CALM	3.5							3.5	

TOTAL	25.4	14.0	.5	.0	.0	.0	.0	100.0	.1

10. HOURS OF BAD OR MISSING DATA OR .4 PERCENT FOR 2664 HOURS

TABLE 4C (Continued)

SLIGHTLY STABLE STABILITY CLASS E
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 10-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	6.5	.1	.0	.0	.0	.0	.0	6.5	.1
NNE	6.2	.0	.0	.0	.0	.0	.0	6.2	.1
NE	3.9	.0	.0	.0	.0	.0	.0	3.9	.1
ENE	6.6	.0	.0	.0	.0	.0	.0	6.6	.1
D E	5.7	.0	.0	.0	.0	.0	.0	5.7	.1
I ESE	4.9	.0	.0	.0	.0	.0	.0	5.0	.0
R SE	6.2	.4	.0	.0	.0	.0	.0	6.6	.1
W E SSE	7.5	.6	.0	.0	.0	.0	.0	8.2	.1
I C S	5.5	.4	.0	.0	.0	.0	.0	5.9	.1
N T SSW	3.1	.0	.0	.0	.0	.0	.0	3.1	.0
D I SW	2.3	.0	.0	.0	.0	.0	.0	2.9	.0
O WSW	1.9	.2	.0	.0	.0	.0	.0	2.1	.0
N W	1.6	.0	.0	.0	.0	.0	.0	1.6	.0
WNW	1.7	.0	.0	.0	.0	.0	.0	1.3	.0
NW	2.4	.1	.0	.0	.0	.0	.0	2.5	.0
NNW	6.1	.2	.0	.0	.0	.0	.0	6.4	.1
CALM	20.0							20.0	

TOTAL	97.3	2.2	.0	.0	.0	.0	.0	100.0	.1

5. HOURS OF BAD OR MISSING DATA OR .2 PERCENT FOR 2312 HOURS

TABLE 4C (Continued)

MODERATELY STABLE STABILITY CLASS F
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 10-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	2.6	.0	.0	.0	.0	.0	.0	2.6	.0
NNE	3.0	.0	.0	.0	.0	.0	.0	3.0	.0
NE	11.3	.0	.0	.0	.0	.0	.0	11.3	.1
ENE	7.7	.0	.0	.0	.0	.0	.0	7.7	.1
E	6.3	.0	.0	.0	.0	.0	.0	6.3	.1
ESE	4.4	.1	.0	.0	.0	.0	.0	4.5	.0
SE	3.0	.0	.0	.0	.0	.0	.0	3.0	.0
SSE	1.8	.0	.0	.0	.0	.0	.0	1.8	.0
S	1.6	.0	.0	.0	.0	.0	.0	1.6	.0
SSW	.1	.0	.0	.0	.0	.0	.0	.1	.0
SW	.2	.0	.0	.0	.0	.0	.0	.2	.0
WSW	.1	.0	.0	.0	.0	.0	.0	.1	.0
W	.1	.0	.0	.0	.0	.0	.0	.1	.0
WNW	.2	.0	.0	.0	.0	.0	.0	.2	.0
NW	.7	.0	.0	.0	.0	.0	.0	.7	.0
NNW	.6	.0	.0	.0	.0	.0	.0	.6	.0
CALM	48.7							48.7	
TOTAL	99.9	.1	.0	.0	.0	.0	.0	100.0	.1

0. HOURS OF BAD OR MISSING DATA OR .0 PERCENT FOR 322 HOURS

TABLE 4C (Continued)

EXTREMELY STABLE STABILITY CLASS G
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 10-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	.5	.0	.0	.0	.0	.0	.0	.5	.0
NNE	6.7	.0	.0	.0	.0	.0	.0	6.7	.0
NE	24.4	.0	.0	.0	.0	.0	.0	24.4	.2
ENE	14.5	.0	.0	.0	.0	.0	.0	14.5	.1
E	6.7	.0	.0	.0	.0	.0	.0	6.7	.1
ESE	4.2	.0	.0	.0	.0	.0	.0	4.2	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0
E S S E	.1	.0	.0	.0	.0	.0	.0	.1	.0
S	.3	.0	.0	.0	.0	.0	.0	.3	.0
S S W	.1	.0	.0	.0	.0	.0	.0	.1	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	41.9							41.9	

TOTAL	100.0	.0	.0	.0	.0	.0	.0	100.0	.1

0. HOURS OF BAD OR MISSING DATA OR .0 PERCENT FOR 862 HOURS

TABLE 4C (Continued)

EXTREMELY UNSTABLE STABILITY CLASS A
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 50-M LEVEL

		0-2	3-5	6-8	9-11	12-14	15-17	13 AND UP	TOTAL	AVG SPEED
	N	1.9	2.0	.2	.0	.0	.0	.0	4.0	.1
	NNE	1.2	1.6	.1	.0	.0	.0	.0	3.0	.1
	NE	1.7	2.0	.0	.0	.0	.0	.0	3.9	.1
	ENE	2.3	1.7	.0	.0	.0	.0	.7	4.0	.1
	E	2.4	2.3	.1	.0	.0	.0	.0	5.3	.2
	ESE	3.1	3.3	.3	.0	.0	.0	.0	6.5	.2
	ESE	3.0	3.3	1.0	.0	.0	.0	.0	7.4	.3
	ESE	3.0	1.5	.4	.0	.0	.0	.0	4.9	.2
	E	1.6	1.1	.2	.0	.0	.0	.0	3.0	.1
	SSW	3.0	1.6	.7	.0	.0	.0	.0	5.3	.2
	SW	4.0	2.7	.7	.0	.0	.0	.0	7.5	.3
	WSW	4.3	2.1	.5	.0	.0	.0	.0	7.1	.2
	W	3.0	1.1	.2	.0	.0	.0	.0	6.4	.2
	WNW	3.9	2.3	.3	.1	.0	.0	.0	8.8	.3
	W	6.3	6.3	.3	.0	.0	.0	.0	13.8	.5
	NNW	4.7	4.3	.3	.0	.0	.0	.0	8.6	.3
	CALM	.0							.0	

	TOTAL	33.2	40.7	5.9	.1	.0	.0	.0	100.0	.2

0. HOURS OF BAD OR MISSING DATA OR .0 PERCENT FOR 1213 HOURS

TABLE 4C (Continued)

MODERATELY UNSTABLE STABILITY CLASS B
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 50-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	2.1	2.1	.0	.0	.0	.0	.0	4.2	.1
NNE	2.1	1.1	.0	.0	.0	.0	.0	3.2	.1
NE	1.9	1.9	.0	.0	.0	.3	.0	4.0	.2
ENE	.3	.3	.0	.0	.0	.0	.0	1.6	.0
E	2.9	4.5	.3	.0	.0	.0	.0	7.7	.3
ESE	4.3	5.3	.3	.0	.0	.0	.0	10.6	.4
SE	4.0	4.0	.3	.0	.0	.0	.0	8.2	.3
E SSE	3.2	2.4	.3	.0	.0	.0	.0	5.8	.2
SSW	2.0	.3	.3	.0	.0	.0	.0	3.7	.1
SSW	4.0	1.1	1.1	.0	.0	.0	.0	6.1	.2
SSW	3.7	3.2	.3	.0	.0	.0	.0	7.2	.2
WSW	3.3	1.1	.0	.0	.0	.0	.0	6.9	.1
W	6.1	.5	.3	.0	.0	.0	.0	6.9	.1
WNW	5.3	2.6	.0	.0	.0	.0	.0	8.0	.2
NW	4.2	4.2	.0	.0	.0	.0	.0	8.5	.3
NNW	3.4	3.4	.0	.0	.0	.0	.0	6.9	.2
CALM	.3							.3	
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TOTAL	57.2	39.1	3.4	.0	.0	.3	.0	100.0	.2

0. HOURS OF BAD OR MISSING DATA OR .0 PERCENT FOR 376 HOURS

TABLE 4C (Continued)

SLIGHTLY UNSTABLE STABILITY CLASS C
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 50-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	1.5	1.5	.0	.0	.0	.0	.0	3.1	.1
NNE	1.2	1.5	.0	.0	.0	.0	.0	3.3	.1
NE	3.5	1.3	.2	.0	.0	.0	.0	5.5	.2
ENE	2.6	2.0	.0	.0	.0	.0	.0	4.6	.1
D E	3.3	3.1	.4	.0	.0	.0	.0	7.3	.2
I ESE	3.1	3.5	.7	.0	.0	.0	.0	7.3	.3
R SE	2.9	3.8	.9	.0	.0	.0	.0	7.5	.3
W E SSE	2.6	3.5	.4	.0	.0	.0	.0	6.4	.2
I C S	3.1	2.4	.4	.2	.0	.0	.0	6.2	.2
N T SSW	3.1	1.1	.9	.0	.0	.0	.0	5.1	.2
D I SW	7.3	2.4	.7	.0	.0	.0	.0	10.4	.3
O WSW	4.4	.9	.7	.0	.0	.0	.0	6.0	.2
N W	5.3	1.1	.2	.0	.0	.0	.0	6.6	.1
WNW	5.1	.7	.4	.0	.0	.0	.0	6.2	.1
NW	2.2	2.5	.7	.0	.0	.0	.0	5.5	.2
NNW	2.9	5.7	.0	.0	.0	.0	.0	8.6	.3
CALM	.2							.2	

TOTAL	55.5	37.6	6.5	.2	.0	.0	.0	100.0	.2

0. HOURS OF BAD OR MISSING DATA OR .0 PERCENT FOR 452 HOURS

TABLE 4C (Continued)

NEUTRAL STABILITY CLASS D
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 50-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	3.3	3.9	.0	.0	.0	.0	.0	7.1	.2
NNE	2.4	1.0	.0	.0	.0	.0	.0	3.6	.1
NE	2.3	1.4	.0	.0	.0	.0	.0	3.7	.1
ENE	2.7	2.4	.0	.0	.0	.0	.0	5.1	.1
E	2.9	3.7	.2	.0	.0	.0	.0	6.8	.2
ESE	3.5	6.1	.8	.0	.0	.0	.0	10.5	.4
ESE	3.2	5.4	1.7	.0	.0	.0	.0	10.4	.4
ESE	2.2	4.2	2.4	.0	.0	.0	.0	8.8	.4
SE	2.4	3.2	1.2	.0	.0	.0	.0	6.8	.3
SE	3.1	1.4	.5	.1	.0	.0	.0	5.1	.2
SE	3.1	1.4	.5	.0	.0	.0	.0	4.8	.1
WSW	2.4	.5	.2	.0	.0	.0	.0	3.1	.1
W	2.3	1.2	.1	.0	.0	.0	.0	3.6	.1
WNW	2.2	1.3	.2	.0	.0	.0	.0	3.7	.1
NW	2.2	3.7	1.1	.0	.0	.0	.0	7.1	.3
NNW	2.9	5.6	.9	.0	.0	.0	.0	9.4	.4
CALC	.3							.3	
TOTAL	43.4	46.5	9.6	.4	.0	.0	.0	100.0	.2

8. HOURS OF BAD OR MISSING DATA OR .3 PERCENT FOR 2664 HOURS

TABLE 4C (Continued)

SLIGHTLY STABLE STABILITY CLASS E
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 50-M LEVEL

	C-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	2.9	2.7	.1	.0	.0	.0	.0	5.6	.2
NNE	2.8	1.4	.1	.1	.0	.0	.0	4.4	.1
NE	2.5	1.4	.0	.0	.0	.0	.0	3.9	.1
ENE	2.6	2.1	.3	.0	.0	.0	.0	5.0	.2
E	2.2	6.0	.3	.0	.0	.0	.0	8.5	.3
ESE	6.8	10.3	.0	.0	.0	.0	.0	17.5	.6
SE	5.5	6.4	.4	.0	.0	.0	.0	12.4	.4
SSE	3.7	3.7	.4	.0	.0	.0	.0	7.9	.3
S	3.7	1.2	.2	.0	.0	.0	.0	5.8	.2
SWS	3.2	2.4	.0	.0	.0	.0	.0	5.7	.2
SW	2.3	1.6	.3	.0	.0	.0	.0	4.6	.1
WSW	1.5	1.3	.3	.0	.0	.0	.0	3.1	.1
W	1.5	1.0	.1	.0	.0	.0	.0	2.6	.1
WNW	1.4	1.3	.2	.0	.0	.0	.0	2.9	.1
NW	1.1	1.4	.1	.0	.0	.0	.0	2.7	.1
NNW	3.7	3.2	.0	.0	.0	.0	.0	7.0	.2
CALM	.3							.3	

TOTAL	43.1	48.5	3.0	.2	.0	.0	.1	100.0	.2

11. HOURS OF BAD OR MISSING DATA OR .5 PERCENT FOR 2312 HOURS

TABLE 4C (Continued)

MODERATELY STABLE STABILITY CLASS F
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 50-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	2.9	2.1	.4	.0	.0	.0	.0	5.3	.2
NNE	3.5	3.0	.1	.1	.0	.0	.0	6.8	.2
NE	3.6	3.5	.4	.0	.0	.0	.1	7.7	.3
ENE	2.3	4.5	.4	.0	.0	.0	.0	7.2	.3
D E	2.8	4.9	.6	.0	.0	.0	.1	8.4	.3
I ESE	3.3	5.1	.0	.0	.0	.0	.0	8.4	.3
R SE	5.3	3.4	.1	.0	.0	.0	.0	8.9	.3
E SSE	5.1	1.3	.0	.0	.0	.0	.0	6.9	.2
I CS	7.0	2.2	.0	.0	.0	.0	.0	9.2	.2
N T SSW	5.7	1.1	.1	.0	.0	.0	.0	6.9	.1
O I SW	3.9	.5	.0	.0	.0	.0	.0	4.4	.1
N W	2.3	.5	.0	.0	.0	.0	.0	2.9	.0
WNW	2.3	.1	.0	.0	.0	.0	.0	2.9	.0
NW	3.0	.1	.0	.0	.0	.0	.0	3.2	.0
NNW	2.6	.7	.1	.0	.0	.0	.0	3.4	.1
NNW	4.5	1.0	.1	.0	.0	.0	.0	5.6	.1
CALM	1.8							1.8	

TOTAL	62.6	34.7	2.3	.1	.0	.0	.2	100.0	.7

0. HOURS OF BAD OR MISSING DATA OR .0 PERCENT FOR 822 HOURS

TABLE 4C (Continued)

EXTREMELY STABLE > STABILITY CLASS G
 PERIOD OF RECORD: 1/ 1/91, 000-- 1/ 1/92, 000

WIND SPEED (M/S) AT 50-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	3.0	1.0	.0	.0	.0	.0	.0	4.1	.1
NNE	4.2	3.2	.2	.0	.0	.0	.0	7.6	.2
NE	6.1	3.2	.6	.0	.0	.0	.3	10.3	.4
ENE	4.4	5.1	.5	.0	.0	.0	.1	10.1	.4
E	4.6	4.7	.5	.0	.0	.0	.0	9.9	.3
ESE	6.0	3.0	.0	.0	.0	.0	.0	9.0	.2
ESE	5.1	4.1	.0	.0	.0	.0	.0	9.2	.3
ESE	6.0	2.1	.0	.0	.0	.0	.0	3.1	.2
ESE	5.0	.9	.0	.0	.0	.0	.0	5.9	.1
ESE	5.2	.3	.0	.0	.0	.0	.0	5.6	.1
ESE	2.8	.1	.0	.0	.0	.0	.0	2.9	.0
ESE	1.6	.0	.0	.0	.0	.0	.0	1.6	.0
ESE	1.6	.1	.0	.0	.0	.0	.0	1.7	.0
ESE	1.4	.1	.0	.0	.0	.0	.0	1.5	.0
ESE	1.9	.5	.0	.0	.0	.0	.0	2.3	.0
ESE	5.7	.3	.1	.0	.0	.0	.0	6.1	.1
ESE	3.9							3.9	

TOTAL	53.7	29.0	1.9	.0	.0	.0	.5	100.0	.2

0. HOURS OF BAD OR MISSING DATA OR .0 PERCENT FOR 862 HOURS

TABLE 4C (Continued)

TOTAL FREQUENCY DISTRIBUTION
 PERIOD OF RECORD: 1/ 1/91, 000 -- 1/ 1/92, 000

WIND SPEED (M/S) AT 10-M LEVEL

WIND DIRECTION	WIND SPEED (M/S) AT 10-M LEVEL							TOTAL	AVG SPEED
	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP		
N	5.5	.5	.0	.0	.0	.0	.0	6.1	.1
NNE	6.1	.2	.0	.0	.0	.0	.0	6.3	.1
NE	3.6	.2	.0	.0	.0	.0	.0	3.8	.1
ENE	6.5	.1	.0	.0	.0	.0	.0	6.6	.1
E	4.5	.1	.0	.0	.0	.0	.0	4.5	.1
ESE	4.1	.1	.0	.0	.0	.0	.0	4.2	.0
SSE	4.2	.5	.0	.0	.0	.0	.0	4.7	.1
S	3.2	.3	.0	.0	.0	.0	.0	6.0	.1
SSW	4.9	1.3	.0	.0	.0	.0	.0	6.3	.1
SW	4.6	.6	.0	.0	.0	.0	.0	5.2	.1
WSW	3.2	.4	.0	.0	.0	.0	.0	3.6	.1
W	2.9	.1	.0	.0	.0	.0	.0	3.0	.0
WNW	3.2	.0	.0	.0	.0	.0	.0	3.3	.0
NW	4.3	.4	.0	.0	.0	.0	.0	4.3	.1
NNW	5.9	1.2	.1	.0	.0	.0	.0	7.2	.1
CALM	5.9							15.3	

TOTAL	92.2	7.5	.3	.0	.0	.0	.0	100.0	.1

82. HOURS OF BAD OR MISSING DATA OR .9 PERCENT FOR 8760 HOURS

TABLE 4C (Continued)

TOTAL FREQUENCY DISTRIBUTION
 PERIOD OF RECORD: 1/ 1/91, 000 -- 1/ 1/92, 000

WIND SPEED (M/S) AT 50-M LEVEL

	0-2	3-5	6-8	9-11	12-14	15-17	18 AND UP	TOTAL	AVG SPEED
N	2.7	2.6	.1	.0	.0	.0	.0	5.5	.2
NNE	2.6	1.7	.1	.0	.0	.0	.0	4.4	.1
NE	2.8	1.9	.1	.0	.0	.0	.0	4.9	.2
ENE	2.7	2.6	.2	.0	.0	.0	.0	5.4	.2
D E	2.8	4.4	.3	.0	.0	.0	.0	7.6	.3
I ESE	4.6	6.3	.3	.0	.0	.0	.0	11.3	.4
R ESE	4.2	4.9	.3	.0	.0	.0	.0	10.0	.4
E SSE	3.4	3.1	.9	.0	.0	.0	.0	7.5	.3
C S	3.4	2.1	.5	.0	.0	.0	.0	6.0	.2
T SSW	3.6	1.5	.4	.0	.0	.0	.0	5.6	.2
D I SW	3.4	1.5	.3	.0	.0	.0	.0	5.3	.1
O WSW	2.6	.9	.2	.0	.0	.0	.0	3.8	.1
N W	2.6	.9	.1	.0	.0	.0	.0	3.8	.1
WNW	2.8	1.3	.2	.0	.0	.0	.0	4.3	.1
Nw	2.6	2.8	.5	.0	.0	.0	.0	6.0	.2
NNW	3.7	3.8	.3	.0	.0	.0	.0	7.8	.3
CALM	3.7			.0	.0	.0	.0	.7	

TOTAL	51.6	42.6	5.4	.2	.0	.0	.1	100.0	.2

78. HOURS OF BAD OR MISSING DATA OR .9 PERCENT FOR 8760 HOURS

TABLE 4C (Continued)

PERIOD OF RECORD: 1/1/91, 000 -- 1/1/92, 000

PERCENT BAD DATA REPORT		
REPORT COVERS 8760HOURS		
	HOURS	PERCENT
50M DIRECTION	26.	.30
50M WIND SPEED	27.	.31
10M DIRECTION	31.	.35
10M WIND SPEED	30.	.34
TEMPERATURE	8.	.09
DEW POINT	465.	5.31
DELTA T	39.	.67
PRECIPITATION	44.	.50

TABLE 4D

CLASSIFICATION OF ATMOSPHERIC STABILITY

Stability Classification	Pasquill Categories	σ^2 ^a (degrees)	Temperature change with height (°C/100m)
Extremely unstable	A	25.0	<-1.9
Moderately unstable	B	20.0	-1.9 to -1.7
Slightly unstable	C	15.0	-1.7 to -1.5
Neutral	D	10.0	-1.5 to -0.5
Slightly stable	E	5.0	-0.5 to 1.5
Moderately stable	F	2.5	1.5 to 4.0
Extremely stable	G	1.7	>4.0

^a Standard deviation of horizontal wind direction fluctuation over a period of 15 minutes to 1 hour. The values shown are average for each stability classification.

ATTACHMENT I

ANNUAL SEWAGE DISPOSAL SUMMARY



**Entergy
Operations**

Entergy Operations, Inc.
PO Box 11995
Jackson, MS 39286-1995
Tel 601-984-1000

Thomas E. Reeves, Jr.

January 24, 1992

Mr. E. S. Fuente, Director
Mississippi State Department of Health
Division of Radiological Health
P. O. Box 1700
Jackson, Mississippi 39215-1700

SUBJECT: Grand Gulf Nuclear Station
Disposal of Sewage Sludge
1991 Annual Summary Report

CEXO-92/ 00045

Dear Mr. Fuente:

Between January 1, 1991 and December 31, 1991, the Grand Gulf Nuclear Station made no sewage sludge shipments to the Vicksburg municipal sewage treatment lagoon.

If you need additional information, please contact Mr. J. L. Etheridge at (601) 984-9373.

Sincerely,

OLE
JLE:swb
cc:

Mr. T. E. Tankersley, w/a
Mr. C. R. Hutchinson, w/a
Radwaste File
File (Central) (1)
File (Corporate)