ATTACHMENT A (Page 1 of 5)

EFFLUENT & WASTE DISPOSABLE SEMI-ANNUAL REPORT

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

Period: January through June 1995

A. FISSION & ACTIVATION GASES	UNIT	FIRST QUARTER	SECOND QUARTER	Est.Total Error %
1. Total Release	Ci	1.39E+01	1.21E+01	12.4
2. Average release rate for the period	uCi/sec	1.79E00	1.54E00	
3. *Percent of ODCM limit Chimney & Stack	%	5.52E-03 2.49E-04	4.82E-03 2.06E-04	

B. IODINE				
1. Total Iodine-131	Ci	1.11E-04	2.07E-04	40.0
2. Average release rate for the period	uCi/sec	1.44E-05	2.63E-05	

C. PARTICULATES				
1. Particulates with half-lives >8 days	Ci	1.24E-03	3.07E-03	39.1
2. Average release rate for the period	uCi/sec	1.59E-04	3.91E-04	
3. Gross alpha radioactivity	Ci	1.31E-06	4.23E-06**	

D. TRITIUM				
1. Total Release	Ci	3.57E00	6.21E00	6.2
2. Average release rate for the period	uCi/sec	4.59E-01	7.90E-01	

E.Iodine 131 & 133,Tritium & Particulate			
1. Percent of ODCM limit Chimney & Stack	%	3.75E-03	8.29E-03

* NOBLE GAS GAMMA/NOBLE GAS BETA DOSE LIMITS
** BASED ON PREVIOUS SIX MONTHS AVAILABLE DATA

ATTACHMENT A (Page 2 of 5)
EFFLUENT & WASTE DISPOSABLE SEMI-ANNUAL REPORT

MAIN CHIMNEY GASEOUS EFFLUENTS

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES RELEASED 1. Fission gases	UNIT	FIRST QUARTER	SECOND QUARTER	FIRST QUARTER	SECOND QUARTER
Kr-85	Ci	<LLD	<LLD	N/A	N/A
Kr-85m	Ci	1.31E00	1.68E00	N/A	N/A
Kr-87	Ci	3.74E-01	3.22E-01	N/A	N/A
Kr-88	Ci	1.06E00	1.68E00	N/A	N/A
Xe-133	Ci	1.37E00	2.07E00	N/A	N/A
Xe-135	Ci	1.13E00	7.83E-01	N/A	N/A
Xe-135m	Ci	1.32E00	7.34E-01	N/A	N/A
Xe-138	Ci	5.48E00	3.08E00	N/A	N/A
Ar-41	Ci	1.88E00	1.73E00	N/A	N/A
Total for Period	Ci	1.39E+01	1.21E+01	N/A	N/A
NUCLIDES RELEASED 2. Iodines	UNIT	FIRST QUARTER	SECOND QUARTER	FIRST QUARTER	SECOND QUARTER
I-131	Ci	1.11E-04	2.07E-04	N/A	N/A
I-133	Ci	1.01E-03	1.80E-03	N/A	N/A
I-135	Ci	<LLD	<LLD	N/A	N/A
Total for period	Ci	1.12E-03	2.01E-03	N/A	N/A
NUCLIDES RELEASED 3. Particulates	UNIT	FIRST QUARTER	SECOND QUARTER	FIRST QUARTER	SECOND QUARTER
Sr-89*	Ci	9.46E-05	5.27E-05	N/A	N/A
Sr-90*	Ci	2.02E-07	6.73E-08	N/A	N/A
Cs-134	Ci	<LLD	<LLD	N/A	N/A
Cs-137	Ci	<LLD	<LLD	N/A	N/A
Ba-140	Ci	1.00E-04	7.35E-05	N/A	N/A
La-140	Ci	3.48E-05	3.51E-05	N/A	N/A
Cr-51	Ci	<LLD	1.46E-04	N/A	N/A
Mn-54	Ci	<LLD	8.36E-06	N/A	N/A
Co-58	Ci	<LLD	1.23E-05	N/A	N/A
Co-60	Ci	2.61E-04	6.82E-04	N/A	N/A
Mo-99	Ci	<LLD	8.31E-04	N/A	N/A
Ag-110m	Ci	<LLD	<LLD	N/A	N/A
I-131	Ci	<LLD	<LLD	N/A	N/A
I-133	Ci	<LLD	<LLD	N/A	N/A
Total for Period	Ci	4.91E-04	1.84E-03	N/A	N/A

*Based on previous six months available data.

ATTACHMENT A (Page 3 of 5)
EFFLUENT & WASTE DISPOSABLE SEMI-ANNUAL REPORT

REACTOR VENTILLATION GASEOUS EFFLUENTS

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES RELEASED 1. Fission gases	UNIT	FIRST QUARTER	SECOND QUARTER	FIRST QUARTER	SECOND QUARTER
Kr-85	Ci	<LLD	<LLD	N/A	N/A
Kr-85m	Ci	<LLD	<LLD	N/A	N/A
Kr-87	Ci	<LLD	<LLD	N/A	N/A
Kr-88	Ci	<LLD	<LLD	N/A	N/A
Xe-133	Ci	<LLD	<LLD	N/A	N/A
Xe-135	Ci	<LLD	<LLD	N/A	N/A
Xe-135m	Ci	<LLD	<LLD	N/A	N/A
Xe-138	Ci	<LLD	<LLD	N/A	N/A
Total for Period	Ci	<LLD	<LLD	N/A	N/A

NUCLIDES RELEASED 2. Iodines	UNIT	FIRST QUARTER	SECOND QUARTER	QUARTER	QUARTER
I-131	Ci	<LLD	<LLD	N/A	N/A
I-133	Ci	<LLD	<LLD	N/A	N/A
I-135	Ci	<LLD	<LLD	N/A	N/A
Total for period	Ci	<LLD	<LLD	N/A	N/A

NUCLIDES RELEASED 3. Particulates	UNIT	FIRST QUARTER	SECOND QUARTER	FIRST QUARTER	SECOND QUARTER
Sr-89*	Ci	3.28E-06	2.60E-05	N/A	N/A
Sr-90*	Ci	<LLD	<LLD	N/A	N/A
Cs-134	Ci	<LLD	<LLD	N/A	N/A
Cs-137	Ci	6.33E-06	3.14E-05	N/A	N/A
Ba-140	Ci	<LLD	<LLD	N/A	N/A
La-140	Ci	<LLD	<LLD	N/A	N/A
Cr-51	Ci	<LLD	<LLD	N/A	N/A
Mn-54	Ci	<LLD	9.20E-05	N/A	N/A
Co-58	Ci	<LLD	<LLD	N/A	N/A
Co-60	Ci	7.40E-04	1.08E-03	N/A	N/A
Mo-99	Ci	<LLD	<LLD	N/A	N/A
Ag-110m	Ci	<LLD	<LLD	N/A	N/A
I-131	Ci	<LLD	<LLD	N/A	N/A
I-133	Ci	<LLD	<LLD	N/A	N/A
Total for Period	Ci	7.50E-04	1.23E-03	N/A	N/A

*Based on previous six months available data.

ATTACHMENT A (Page 4 of 5)

EFFLUENT & WASTE DISPOSABLE SEMI-ANNUAL REPORT

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

A. FISSION & ACTIVATION GASES	UNIT	FIRST QUARTER	SECOND QUARTER	Est.Total Error %
1. Total Release (not including tritium, gases & alpha)	Ci	3.55E-02	2.07E-02	5.6
2. Average diluted concentration during batch discharges for the period	µCi/mL	7.03E-09	2.30E-09	
3. Percent of applicable limit*	%	1.57E-02 7.10E-03	1.22E-02 5.38E-03	
4. Maximum diluted concentration during batch discharges	µCi/mL	1.58E-08	1.42E-08	
B. TRITIUM				
1. Total Release	Ci	5.44E00	6.38E00	4.0
2. Average diluted concentration during batch discharges for the period	µCi/mL	1.08E-06	7.09E-07	
3. Percent of applicable limit	%	3.59E-02	2.36E-02	
C. DISSOLVED & ENTRAINED GASES				
1. Total Release	Ci	<LLD	7.76E-04	5.6
2. Average diluted concentration during batch discharges for the period	µCi/mL	<LLD	8.64E-11	
3. Percent of applicable limit	%	N/A	4.32E-05	
D. GROSS ALPHA ACTIVITY				
1. Total Release	Ci	<LLD	<LLD	14.5
2. Average diluted concentration during batch discharges for the period	µCi/mL	<LLD	<LLD	
E. VOLUME OF WASTE RELEASED (prior to dilution)	Liters	2.12E+06	2.51E+06	
F. VOLUME OF DILUTION WATER USED DURING BATCH DISCHARGES	Liters	5.05E+09	9.00E+09	
G. TOTAL VOLUME OF DILUTION WATER USED DURING PERIOD (quarter)	Liters	2.69E+11	2.31E+11	

* Whole Body/Organ (ODCM)

ATTACHMENT A (Page 5 of 5)

EFFLUENT & WASTE DISPOSABLE SEMI-ANNUAL REPORT

LIQUID EFFLUENTS

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES RELEASED	UNIT	FIRST QUARTER	SECOND QUARTER	FIRST QUARTER	SECOND QUARTER
Sr-89	Ci	<LLD	<LLD	2.72E-06	2.01E-06
Sr-90	Ci	1.01E-07	2.91E-08	5.00E-05	3.57E-05
Cs-134	Ci	<LLD	<LLD	<LLD	2.69E-05
Cs-137	Ci	5.54E-06	1.60E-06	3.78E-03	2.85E-03
I-131	Ci	<LLD	<LLD	<LLD	<LLD
Co-60	Ci	1.83E-05	4.18E-06	2.27E-02	1.00E-02
Co-58	Ci	<LLD	<LLD	1.16E-04	8.54E-05
Fe-59	Ci	<LLD	<LLD	<LLD	<LLD
Zn-65	Ci	<LLD	<LLD	<LLD	7.93E-05
Mn-54	Ci	<LLD	<LLD	1.95E-03	9.00E-04
Cr-51	Ci	<LLD	<LLD	6.89E-04	1.89E-03
Zr-95	Ci	<LLD	<LLD	<LLD	<LLD
Nb-95	Ci	<LLD	<LLD	<LLD	<LLD
Mo-99	Ci	<LLD	<LLD	<LLD	<LLD
Ag-110m	Ci	<LLD	<LLD	5.03E-04	1.74E-04
Ba-140	Ci	<LLD	<LLD	<LLD	<LLD
La-140	Ci	<LLD	<LLD	<LLD	<LLD
Fe-55	Ci	1.41E-06	3.68E-07	5.59E-03	4.49E-03
Unidentified	Ci				
Sb-124	Ci	<LLD	<LLD	<LLD	7.25E-05
Sb-125	Ci	<LLD	<LLD	6.93E-05	1.06E-04
Total for Period (above)	Ci	2.54E-05	6.18E-06	3.55E-02	2.07E-02
Xe-133	Ci	<LLD	<LLD	<LLD	4.05E-04
Xe-135	Ci	<LLD	<LLD	<LLD	3.71E-04

Prepared by: _____ Date: 8-17-95

Approved by: _____ Date: 8/17/95

CECo QUAD CITIES STATION
33 ft. WIND SPEED and WIND DIRECTION

January-March 1995
196-33 ft. DIFFERENTIAL TEMPERATURE

NUMBER OF OBSERVATIONS = 2140
VALUES ARE PERCENT OCCURRENCE

SPEED	WIND DIRECTION CLASSES																	STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
	EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
	MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
C	SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
A	N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
L	SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
M	MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
	ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.00
	EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
	MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
1	SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.05	.09		.09					
-	N	.28	.09	.14	.23	.19	.19	.05	.09	.33	.09	.09	.28	.28	.09	.19	.09	2.71			2.71				
3	SS	.51	.42	.37	.19	.28	.42	.19	.37	.09	.14	.42	.61	.61	.28	.65	.09	5.65				5.65			
	MS	.19	.19	.33	.28	.23	.42	.42	.51	.42	.14	.14	.09	.28	.33	.23	.00	4.21					4.21		
	ES	.14	.14	.23	.14	.65	.70	.28	.23	.14	.09	.19	.05	.19	.19	.14	.09	3.60						3.60	
																									16.26
	EU	.05	.00	.00	.00	.00	.00	.00	.23	.00	.14	.05	.23	.23	.00	.37	.09	1.40	1.40						
	MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.09	.14	.14	.09	.09	.65		.65					
4	SU	.05	.00	.09	.05	.09	.00	.00	.00	.05	.14	.14	.47	.28	.28	.47	.14	2.24			2.24				
-	N	1.36	.75	.75	1.03	1.87	1.40	.65	.42	1.12	.28	1.26	2.24	4.53	4.53	2.80	1.82	26.82				26.82			
7	SS	.70	.28	.37	.79	1.26	.47	.28	.89	.89	.51	.61	.61	1.87	1.87	1.40	.14	12.94					12.94		
	MS	.05	.05	.00	.05	.42	.47	.56	.89	.23	.19	.05	.00	.05	.00	.00	.00	2.99						2.99	
	ES	.00	.19	.00	.00	.14	.70	.19	.09	.00	.00	.00	.00	.00	.00	.00	.00	1.31							1.31
																									48.36
	EU	.00	.00	.00	.05	.05	.19	.23	.09	.33	.42	.14	.05	.93	.28	.61	.28	3.64	3.64						
	MU	.00	.00	.00	.00	.09	.09	.05	.00	.00	.09	.05	.09	.28	.00	.05	.00	.79		.79					
8	SU	.09	.05	.00	.00	.05	.14	.09	.05	.05	.00	.05	.09	.42	.37	.51	.09	2.06			2.06				
-	N	1.07	.84	.19	.93	.98	1.87	.70	.61	.00	.33	.42	1.03	2.24	3.88	2.66	1.07	18.83				18.83			
1	SS	.23	.05	.14	.51	.42	.75	.09	.19	.19	.19	.47	.42	.14	.23	.42	.14	4.58					4.58		
2	MS	.00	.00	.00	.00	.00	.05	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.14						.14	
	ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00
																									30.05
	EU	.00	.00	.00	.00	.00	.05	.05	.00	.05	.00	.00	.00	.00	.00	.00	.00	.14	.14						
1	MU	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00	.14		.14					
3	SU	.00	.00	.00	.00	.09	.05	.00	.00	.00	.00	.00	.00	.05	.19	.05	.00	.42			.42				
-	N	.47	.14	.19	.37	.19	.33	.14	.00	.00	.00	.00	.05	.28	1.26	.84	.00	4.25				4.25			
1	SS	.00	.00	.00	.00	.23	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.37					.37		
8	MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00	
	ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00
																									5.33

CECo QUAD CITIES STATION
33 ft. WIND SPEED and WIND DIRECTION

January-March 1995
196-33 ft. DIFFERENTIAL TEMPERATURE

SPEED	WIND DIRECTION CLASSES																STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
1 MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
9 SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
- N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
2 SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.00
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
G MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
T SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
2 SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.00
TOT	5.19	3.18	2.80	4.63	7.29	8.41	3.97	4.67	3.88	2.94	4.07	6.45	12.90	13.93	11.50	4.21	100.00	5.19	1.59	4.81	52.62	23.55	7.34	4.91	100.00

Wind Direction by Stability

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-STABILITY CLASSES-
.05	.00	.00	.05	.05	.23	.28	.33	.37	.56	.19	.28	1.17	.28	.98	.37	5.19	Extremely Unstable
.00	.00	.00	.00	.14	.09	.05	.00	.00	.19	.05	.19	.51	.14	.14	.09	1.59	Moderately Unstable
.14	.05	.09	.05	.23	.19	.09	.05	.09	.14	.19	.61	.75	.84	1.03	.28	4.81	Slightly Unstable
3.18	1.82	1.26	2.57	3.22	3.79	1.54	1.12	1.45	.70	1.78	3.60	7.34	9.77	6.50	2.99	52.62	Neutral
1.45	.75	.89	1.50	2.20	1.78	.56	1.45	1.17	.84	1.50	1.64	2.62	2.38	2.48	.37	23.55	Slightly Stable
.23	.23	.33	.33	.65	.93	.98	1.40	.65	.42	.19	.09	.33	.33	.23	.00	7.34	Moderately Stable
.14	.33	.23	.14	.79	1.40	.47	.33	.14	.09	.19	.05	.19	.19	.14	.09	4.91	Extremely Stable

Wind Direction by Wind Speed

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-WIND SPEED CLASSES-
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	C A L M
1.12	.84	1.07	.84	1.35	1.73	.93	1.21	.98	.47	.84	1.07	1.36	.89	1.21	.33	16.26	0.9 - 3.5 mph
2.20	1.26	1.21	1.92	3.79	3.04	1.68	2.52	2.29	1.36	2.10	3.64	7.10	6.82	5.14	2.29	48.36	3.6 - 7.5 mph
1.40	.93	.33	1.50	1.59	3.08	1.17	.93	.56	1.12	1.12	1.68	4.02	4.77	4.25	1.59	30.05	7.6 - 12.5 mph
.47	.14	.19	.37	.56	.56	.19	.00	.05	.00	.00	.05	.42	1.45	.89	.00	5.33	12.6 - 18.5 mph
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	18.6 - 24.5 mph
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	> 24.5 mph

CECo QUAD CITIES STATION
296 ft. WIND SPEED and WIND DIRECTION

January-March 1995
296-33 ft. DIFFERENTIAL TEMPERATURE

NUMBER OF OBSERVATIONS = 2084
VALUES ARE PERCENT OCCURRENCE

SPEED	WIND DIRECTION CLASSES																STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
	EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
	MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
C	SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
A	N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
L	SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
M	MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
	ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.00
	EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
	MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
1	SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
-	N	.10	.00	.10	.00	.00	.14	.00	.10	.05	.05	.10	.00	.05	.00	.10	.00	.77			.77				
3	SS	.19	.14	.10	.05	.10	.00	.00	.00	.00	.05	.00	.10	.00	.00	.05	.00	.77				.77			
	MS	.00	.05	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.14					.14		
	ES	.00	.05	.00	.05	.05	.00	.00	.05	.10	.00	.00	.00	.00	.00	.00	.00	.29						.29	
																									1.97
	EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						
	MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00					
4	SU	.00	.05	.00	.00	.00	.00	.00	.00	.00	.10	.00	.05	.00	.05	.05	.14	.43			.43				
-	N	.53	.34	.48	.34	.67	.43	.38	.10	.19	.48	.14	.77	.62	.62	1.15	1.06	8.30				8.30			
7	SS	.14	.24	.14	.14	.19	.10	.14	.10	.05	.05	.05	.19	.14	.14	.10	.38	2.30					2.30		
	MS	.24	.05	.10	.05	.05	.10	.10	.05	.19	.05	.05	.00	.00	.00	.14	.00	1.15						1.15	
	ES	.10	.14	.00	.05	.05	.05	.05	.05	.00	.14	.19	.00	.00	.00	.05	.10	.96							.96
																									13.15
	EU	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.00	.05	.05	.05	.00	.24	.24						
	MU	.00	.00	.00	.05	.00	.19	.00	.14	.00	.00	.00	.00	.00	.00	.19	.00	.58		.58					
8	SU	.05	.00	.05	.05	.14	.14	.05	.05	.00	.19	.05	.29	.14	.14	.38	.10	1.82			1.82				
-	N	.67	.77	.14	.34	1.06	1.44	.38	.24	.29	.19	.82	1.92	1.82	3.60	2.50	1.73	17.90				17.90			
1	SS	.38	.48	.10	.43	.72	.38	.19	.19	.14	.34	.29	.29	.62	.77	.38	.43	6.14					6.14		
2	MS	.19	.19	.10	.05	.14	.24	.19	.19	.34	.38	.34	.05	.10	.14	.14	.24	3.02						3.02	
	ES	.00	.00	.05	.00	.00	.00	.34	.34	.14	.00	.00	.00	.00	.00	.00	.00	.86							.86
																									30.57
	EU	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.05	.00	.10	.00	.24	.24						
1	MU	.00	.00	.00	.00	.00	.00	.19	.05	.05	.10	.00	.00	.14	.00	.10	.14	.77		.77					
3	SU	.00	.00	.00	.00	.00	.10	.10	.00	.05	.14	.00	.00	.34	.24	.34	.24	1.54			1.54				
-	N	1.39	.48	.05	.62	.53	1.01	1.01	.19	.82	.48	.53	1.44	3.26	4.13	2.45	1.01	19.39				19.39			
1	SS	.14	.24	.38	.43	.34	.91	.14	.58	.96	.53	.82	.48	.82	1.92	.72	.38	9.79					9.79		
8	MS	.00	.10	.24	.10	.00	.38	.10	.48	1.06	.34	.10	.00	.00	.05	.10	.00	3.02						3.02	
	ES	.00	.00	.19	.00	.00	.05	.19	.24	.10	.19	.00	.00	.00	.00	.00	.00	.96							.96
																									35.70

CECo QUAD CITIES STATION
295 ft. WIND SPEED and WIND DIRECTION

January-March 1995
296-33 ft. DIFFERENTIAL TEMPERATURE

SPEED CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	STABILITY CLASSES EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.14	.00	.10	.00	.00	.00	.00	.00	.00	.00	.24	.24							
1 MU	.00	.00	.00	.00	.00	.00	.05	.05	.05	.10	.00	.00	.05	.00	.00	.00	.29		.29						
3 SU	.00	.00	.00	.00	.05	.00	.00	.00	.00	.14	.00	.00	.29	.00	.10	.00	.58			.58					
- N	.19	.00	.29	.82	.53	.34	.82	.62	.05	.29	.19	.24	.72	2.21	2.16	.67	10.12				10.12				
2 SS	.00	.00	.05	.14	.10	.43	.05	.24	.58	.53	.14	.38	.00	.10	.00	.00	2.74					2.74			
4 MS	.00	.00	.00	.00	.00	.19	.00	.38	.05	.19	.00	.00	.00	.00	.00	.00	.82						.82		
ES	.00	.00	.00	.00	.00	.10	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.14							.14	
																									14.92
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
6 MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
7 SU	.00	.00	.00	.00	.05	.00	.00	.00	.05	.05	.00	.00	.00	.00	.00	.00	.14			.14					
N	.10	.00	.00	.19	.14	.14	.24	.10	.10	.14	.05	.00	.24	1.25	.53	.00	3.21				3.21				
2 SS	.00	.00	.00	.00	.00	.29	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.34					.34			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									3.69
TOT	4.41	3.31	2.54	3.89	4.89	7.20	4.85	4.65	5.61	5.23	3.84	6.19	9.45	15.40	11.85	6.67	100.00	.72	1.63	4.51	59.69	22.07	8.16	3.21	100.00

Wind Direction by Stability

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-STABILITY CLASSES-
.00	.00	.00	.00	.00	.00	.14	.10	.19	.00	.00	.00	.10	.05	.14	.00	.72	Extremely Unstable
.00	.00	.00	.05	.00	.19	.24	.24	.10	.19	.00	.00	.19	.00	.29	.14	1.63	Moderately Unstable
.05	.05	.05	.05	.24	.24	.14	.05	.10	.62	.05	.34	.77	.43	.86	.48	4.51	Slightly Unstable
2.98	1.58	1.06	2.30	2.93	3.50	2.83	1.34	1.49	1.63	1.82	4.37	6.72	11.80	8.88	4.46	59.69	Neutral
.86	1.10	.77	1.20	1.44	2.11	.53	1.10	1.78	1.49	1.30	1.44	1.58	2.93	1.25	1.20	22.07	Slightly Stable
.43	.38	.43	.19	.19	.96	.38	1.10	1.63	.96	.48	.05	.10	.19	.38	.29	8.16	Moderately Stable
.10	.19	.24	.10	.10	.19	.58	.72	.34	.34	.19	.00	.00	.00	.05	.10	3.21	Extremely Stable

Wind Direction by Wind Speed

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-WIND SPEED CLASSES-
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	C A L M
.29	.24	.19	.10	.14	.19	.00	.14	.14	.10	.10	.10	.05	.00	.14	.05	1.97	0.9 - 3.5 mph
1.01	.82	.72	.58	.96	.67	.67	.29	.43	.82	.43	1.01	.77	.82	1.49	1.68	13.15	3.6 - 7.5 mph
1.30	1.44	.43	.91	2.06	2.40	1.15	1.25	.91	1.10	1.49	2.54	2.74	4.70	3.65	2.50	30.57	7.6 - 12.5 mph
1.54	.82	.86	1.15	.86	2.45	1.73	1.54	3.12	1.78	1.44	1.92	4.61	6.33	3.79	1.78	35.70	12.6 - 18.5 mph
.19	.00	.34	.96	.67	1.06	1.06	1.34	.82	1.25	.34	.62	1.06	2.30	2.26	.67	14.92	18.6 - 24.5 mph
.10	.00	.00	.19	.19	.43	.24	.10	.19	.19	.05	.00	.24	1.25	.53	.00	3.63	> 24.5 mph

CECo QUAD CITIES STATION
33 ft. WIND SPEED and WIND DIRECTION

April-June 1995
196-33 ft. DIFFERENTIAL TEMPERATURE

NUMBER OF OBSERVATIONS = 2184
VALUES ARE PERCENT OCCURRENCE

SPEED	WIND DIRECTION CLASSES																STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
C SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
A N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
L SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
M MS	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05						.05		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.05
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.00	.00	.09	.09							
MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.05		.05						
1 SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.05			.05					
- N	.05	.23	.00	.18	.14	.14	.18	.23	.18	.14	.41	.27	.23	.32	.32	.14	3.16				3.16				
3 SS	.32	.46	.41	.78	1.01	.37	.50	.46	.69	.41	.32	.82	.87	.82	.46	.32	9.02					9.02			
MS	.18	.46	.37	.50	.60	1.01	.73	.64	.41	.46	.23	.41	.82	.82	.23	.41	8.29						8.29		
ES	.25	.21	.16	.12	.58	.86	.35	.25	.16	.30	.16	.16	.67	.39	.30	.07	4.99							4.99	
																									25.64
EU	.09	.32	.18	.00	.00	.05	.09	.18	.37	.69	.55	.69	.96	.78	.27	.27	5.49	5.49							
MU	.09	.14	.14	.00	.00	.09	.09	.05	.09	.14	.05	.05	.05	.05	.05	.14	1.19		1.19						
4 SU	.27	.18	.27	.00	.05	.14	.27	.32	.14	.23	.41	.14	.32	.41	.27	.05	3.48			3.48					
- N	.46	.96	2.11	1.74	1.65	.96	.69	.55	.50	1.37	.87	.46	.82	.92	.78	.41	15.25				15.25				
7 SS	.82	.64	.96	1.28	.87	.96	.82	.32	.50	.73	1.19	1.10	1.14	1.56	1.01	.73	14.65					14.65			
MS	.18	.09	.05	.00	.18	.18	.05	.09	.00	.09	.09	.05	.27	.09	.09	.05	1.56						1.56		
ES	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.00	.14							.14	
																									41.76
EU	.05	.46	.27	.14	.09	.14	.18	.60	.18	.55	.14	.18	.82	1.14	1.01	.23	6.18	6.18							
MU	.00	.09	.23	.14	.00	.05	.05	.00	.00	.05	.00	.09	.05	.05	.09	.05	.92		.92						
8 SU	.09	.09	.32	.27	.18	.18	.00	.05	.09	.09	.00	.00	.37	.18	.09	.05	2.06			2.06					
- N	.78	.60	1.05	1.97	1.79	.92	.32	.00	.00	.55	.82	1.05	1.24	1.05	.55	.41	13.10				13.10				
1 SS	.00	.09	.18	.09	1.10	.50	.18	.05	.14	.23	.55	.27	.23	.27	.09	.05	4.03					4.03			
2 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									26.28
EU	.00	.00	.00	.00	.00	.32	.00	.09	.00	.00	.00	.00	.00	.27	.00	.00	.69	.69							
1 MU	.00	.10	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00	.18		.18						
3 SU	.00	.10	.05	.00	.09	.18	.00	.00	.00	.00	.00	.00	.00	.05	.05	.00	.41			.41					
- N	.00	.00	.32	1.01	.50	.64	.18	.05	.00	.09	.09	.27	.27	.14	.50	.00	4.08				4.08				
1 SS	.00	.00	.00	.05	.09	.18	.00	.00	.09	.05	.00	.00	.00	.00	.00	.00	.46					.46			
8 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									5.82

CECo QUAD CITIES STATION
33 ft. WIND SPEED and WIND DIRECTION

April-June 1995
196-33 ft. DIFFERENTIAL TEMPERATURE

SPEED	WIND DIRECTION CLASSES																	STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.05							
1 MU	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05		.05						
9 SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
N	.00	.00	.00	.09	.05	.05	.00	.00	.00	.05	.14	.00	.00	.00	.00	.00	.37				.37				
2 SS	.00	.00	.00	.00	.05	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18					.18			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.64
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
G MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
T SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
N	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05				.05				
2 SS	.00	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14					.14			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.18
TOT	3.64	5.02	7.08	8.45	9.09	8.32	4.70	3.92	3.55	6.21	6.02	6.11	9.28	9.46	6.16	3.37	100.37	12.50	2.38	6.00	35.99	28.48	9.89	5.13	100.37

Wind Direction by Stability

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-STABILITY CLASSES-
.14	.78	.46	.18	.09	.50	.27	.87	.55	1.24	.69	.92	1.83	2.20	1.28	.50	12.50	Extremely Unstable
.09	.23	.37	.18	.00	.23	.14	.05	.09	.18	.05	.14	.14	.18	.14	.18	2.38	Moderately Unstable
.37	.27	.64	.27	.32	.50	.27	.37	.23	.32	.41	.18	.69	.64	.41	.09	6.00	Slightly Unstable
1.28	1.79	3.48	4.99	4.12	2.75	1.37	.82	.69	2.20	2.34	2.06	2.56	2.43	2.15	.96	35.99	Neutral
1.14	1.19	1.56	2.20	3.11	2.29	1.51	.82	1.42	1.42	2.06	2.20	2.24	2.66	1.56	1.10	28.48	Slightly Stable
.37	.55	.41	.50	.82	1.19	.78	.73	.41	.55	.32	.46	1.10	.92	.32	.46	9.89	Moderately Stable
.25	.21	.16	.12	.62	.86	.35	.25	.16	.30	.16	.16	.72	.44	.30	.07	5.13	Extremely Stable

Wind Direction by Wind Speed

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-WIND SPEED CLASSES-
.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	C A L M
.60	1.35	.94	1.58	2.32	2.37	1.77	1.58	1.44	1.31	1.12	1.76	2.68	2.36	1.31	.94	25.64	0.9 - 3.5 mph
1.92	2.34	3.71	3.02	2.79	2.38	2.01	1.51	1.60	3.25	3.16	2.47	3.62	3.85	2.47	1.65	41.76	3.6 - 7.5 mph
.92	1.33	2.06	2.61	3.16	1.79	.73	.69	.41	1.47	1.51	1.60	2.70	2.70	1.83	.78	26.28	7.6 - 12.5 mph
.00	.00	.37	1.05	.69	1.42	.18	.14	.09	.14	.09	.27	.27	.55	.55	.00	5.82	12.6 - 18.5 mph
.00	.00	.00	.18	.09	.18	.00	.00	.00	.05	.14	.00	.00	.00	.00	.00	.64	18.6 - 24.5 mph
.00	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	> 24.5 mph

CECo QUAD CITIES STATION
296 ft. WIND SPEED and WIND DIRECTION

April-June 1995
296-33 ft. DIFFERENTIAL TEMPERATURE

NUMBER OF OBSERVATIONS = 2154
VALUES ARE PERCENT OCCURRENCE

SPEED	WIND DIRECTION CLASSES																	STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
C SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
A N	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00				
L SS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.00			
M MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									.00
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00						
1 SU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00					
- N	.23	.00	.05	.00	.10	.05	.05	.09	.19	.00	.14	.05	.14	.05	.00	.05	1.07				1.07				
3 SS	.05	.00	.05	.00	.19	.05	.14	.05	.09	.00	.23	.05	.05	.05	.05	.09	1.02					1.02			
MS	.05	.09	.05	.00	.00	.00	.00	.05	.00	.09	.00	.05	.00	.00	.00	.00	.37						.37		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.05							.05	
																									2.51
EU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							
MU	.00	.09	.00	.00	.00	.00	.05	.05	.00	.00	.05	.14	.32	.19	.00	.05	.93		.93						
4 SU	.09	.05	.00	.05	.00	.09	.00	.19	.09	.00	.05	.09	.23	.19	.14	.09	1.35			1.35					
- N	.19	.42	.70	.56	.51	.37	.23	.46	.32	.56	.56	.19	.60	.56	.42	.09	6.73				6.73				
7 SS	.14	.28	.32	.32	.70	.37	.23	.14	.19	.23	.14	.00	.14	.28	.14	.09	3.71					3.71			
MS	.14	.05	.23	.14	.23	.19	.14	.14	.14	.00	.19	.23	.14	.05	.09	.09	2.18						2.18		
ES	.14	.00	.05	.00	.05	.00	.00	.00	.00	.00	.05	.00	.05	.05	.00	.05	.42							.42	
																									15.32
EU	.05	.14	.14	.05	.00	.00	.05	.00	.05	.14	.00	.14	.19	.05	.14	.00	1.11	1.11							
MU	.09	.23	.23	.05	.00	.05	.09	.09	.14	.37	.32	.23	.37	.23	.28	.14	2.92		2.92						
8 SU	.23	.19	.42	.05	.05	.23	.14	.00	.19	.28	.28	.05	.14	.14	.05	.09	2.51			2.51					
- N	.42	1.02	1.62	1.62	.93	.56	.46	.37	.28	1.02	.56	.23	.60	.84	.70	.32	11.56				11.56				
1 SS	.93	.37	.51	.51	.79	.88	.42	.09	.37	.60	.51	.56	.60	.56	.51	.32	8.54					8.54			
2 MS	.14	.14	.09	.00	.05	.28	.23	.42	.37	.28	.19	.19	.37	.28	.09	.19	3.30						3.30		
ES	.00	.00	.00	.00	.05	.05	.05	.05	.19	.23	.09	.00	.00	.14	.19	.09	1.11							1.11	
																									31.06
EU	.00	.32	.05	.05	.00	.00	.19	.23	.37	.14	.05	.00	.14	.56	.65	.14	2.88	2.88							
1 MU	.00	.09	.19	.00	.05	.14	.00	.05	.05	.14	.05	.09	.23	.23	.05	.14	1.49		1.49						
3 SU	.00	.14	.32	.28	.09	.09	.09	.05	.05	.00	.00	.05	.32	.14	.14	.05	1.81			1.81					
- N	.70	.79	.93	1.35	1.72	.97	.23	.23	.32	.74	.56	.70	.97	1.07	.88	.65	12.81				12.81				
1 SS	.42	.51	.51	.23	.70	.70	.79	.56	1.02	.74	.56	.65	.32	1.16	1.02	.46	10.35					10.35			
8 MS	.14	.19	.09	.05	.00	.23	.37	.46	.32	.14	.05	.28	.28	.42	.00	.23	3.25						3.25		
ES	.05	.09	.00	.00	.00	.00	.09	.14	.00	.05	.00	.00	.14	.09	.09	.00	.74							.74	
																									33.33

CECo QUAD CITIES STATION
296 ft. WIND SPEED and WIND DIRECTION

April-June 1995
296-33 ft. DIFFERENTIAL TEMPERATURE

SPEED	WIND DIRECTION CLASSES																STABILITY CLASSES							
CLASS	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	EU	MU	SU	N	SS	MS	ES	TOTAL
EU	.00	.00	.00	.00	.00	.05	.00	.23	.19	.05	.00	.05	.05	.09	.00	.00	.70	.70							
1 MU	.00	.00	.00	.00	.00	.23	.05	.00	.09	.05	.00	.00	.19	.46	.00	.00	1.07		1.07						
9 SU	.00	.00	.05	.05	.05	.32	.05	.05	.00	.09	.00	.05	.09	.23	.00	.00	1.02			1.02					
- N	.00	.05	.42	.65	.56	1.44	.37	.19	.23	.28	.74	.79	1.07	.60	.60	.00	7.99				7.99				
2 SS	.00	.00	.05	.00	.42	.28	.28	.05	.09	.19	.60	.05	.00	.05	.05	.00	2.09					2.09			
4 MS	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.09	.00	.00	.23						.23		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									13.09
EU	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.05	.05							
G MU	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.05		.05						
T SU	.00	.00	.00	.09	.00	.09	.00	.00	.05	.00	.00	.00	.00	.09	.00	.00	.32			.32					
N	.00	.00	.28	.60	.09	.70	.14	.05	.05	.14	.23	.19	.46	.09	.46	.00	3.48				3.48				
2 SS	.00	.00	.00	.00	.05	.32	.09	.00	.19	.09	.00	.05	.00	.00	.00	.00	.79					.79			
4 MS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00		
ES	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00							.00	
																									4.69
TOT	4.18	5.25	7.43	6.69	7.15	8.73	5.01	4.46	5.66	6.64	6.22	5.11	8.22	9.05	6.78	3.44	100.00	4.74	6.45	7.01	43.64	26.51	9.33	2.32	100.00

Wind Direction by Stability

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-STABILITY CLASSES-
.05	.46	.19	.09	.00	.05	.23	.46	.65	.32	.05	.19	.37	.70	.79	.14	4.74	Extremely Unstable
.09	.42	.42	.05	.05	.42	.19	.19	.28	.56	.42	.46	1.11	1.16	.32	.32	6.45	Moderately Unstable
.32	.37	.79	.51	.19	.84	.28	.28	.37	.37	.32	.23	.79	.79	.32	.23	7.01	Slightly Unstable
1.53	2.27	3.99	4.78	3.81	4.09	1.49	1.39	1.39	2.74	2.79	2.14	3.85	3.20	3.06	1.11	43.64	Neutral
1.53	1.16	1.44	1.07	2.74	2.60	1.95	.88	1.95	1.86	2.04	1.35	1.11	2.09	1.76	.97	26.51	Slightly Stable
.46	.46	.56	.19	.28	.70	.74	1.07	.84	.51	.46	.74	.79	.84	.19	.51	9.33	Moderately Stable
.19	.09	.05	.00	.09	.05	.14	.19	.19	.28	.14	.00	.19	.28	.32	.14	2.32	Extremely Stable

Wind Direction by Wind Speed

N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	-WIND SPEED CLASSES-
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	C A L M
.32	.09	.14	.00	.09	.09	.19	.19	.28	.09	.37	.14	.19	.09	.09	.14	2.51	0.9 - 3.5 mph
.70	.88	1.30	1.07	1.49	1.02	.65	.97	.74	.79	1.02	.65	1.49	1.30	.79	.46	15.32	3.6 - 7.5 mph
1.86	2.09	3.02	2.27	1.86	2.04	1.44	1.02	1.58	2.92	1.95	1.39	2.27	2.23	1.95	1.16	31.06	7.6 - 12.5 mph
1.30	2.14	2.09	1.95	2.55	2.14	1.76	1.72	2.14	1.95	1.25	1.76	2.41	3.67	2.83	1.67	33.33	12.6 - 18.5 mph
.00	.05	.60	.70	1.02	2.32	.74	.51	.60	.65	1.39	.93	1.39	1.53	.65	.00	13.09	18.6 - 24.5 mph
00	.00	.28	.70	.14	1.11	.23	.05	.32	.23	.23	.23	.46	.23	.46	.00	4.69	> 24.5 mph

Solid RadWaste Semi-Annual Report

JANUARY 1995

Shipping Date	Carrier	Site	Volume (m^3)	Millicuries
01/25/95	HITTMAN TRUCKING	SEG	29.90	21.35
TOTALS	1		29.90	21.35

Solid RadWaste Semi-Annual Report

FEBRUARY 1995

Shipping Date	Carrier	Site	Volume (m^3)	Millicuries
02/21/95	KINDRICK	AMERICAN ECOL	29.45	1.15
TOTALS	1		29.45	1.15

Solid RadWaste Semi-Annual Report

MARCH 1995

Shipping Date	Carrier	Site	Volume (m^3)	Millicuries
03/22/95	HITTMAN TRUCKING	SEG	30.19	13.15
TOTALS	1		30.19	13.15

Solid RadWaste Semi-Annual Report

APRIL 1995

Shipping Date	Carrier	Site	Volume (m^3)	Millicuries
04/12/95	KINDRICK	AMERICAN ECOL	58.90	0.02
04/12/95	KINDRICK	AMERICAN ECOL	58.90	2.29
04/26/95	HITTMAN TRUCKING	SEG	30.19	25.08
TOTALS	3		147.99	27.39

Solid RadWaste Semi-Annual Report

MAY 1995

Shipping Date	Carrier	Site	Volume (m^3)	Millicuries
05/31/95	KINDRICK	AMERICAN ECOL	58.90	2.98
TOTALS	1		58.90	2.98

Solid RadWaste Semi-Annual Report

JUNE 1995

Shipping Date	Carrier	Site	Volume (m^3)	Millicuries
06/07/95	KINDRICK	AMERICAN ECOL	29.45	17.7
TOTALS	1		29.45	17.7