FOR THE OPERATING PERIOD July 1, 1984 - December 31, 1984

February 28, 1985



V. C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC AND GAS COMPANY

Prepared by:

G. M. Gowdy, Staff Health
Physicist

Reviewed by:

W. R. Baehr, Manager Corporate Health Physics and Environmental Programs

Reviewed by:

J. W. Cox, Jr., Assoc. Mgr.

Health Physics

Reviewed by:

A. R. Koon, Jr., Assoc. Mgr. Regulatory Compliance

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This report is being submitted as a summary of the quantities of radioactive liquid and gaseous effluents and solid waste released from the Virgil C. Summer Nuclear Station. This report satisfies the requirements in Sections 6.9.1.8 and 6.9.1.9 of Technical Specifications and 10CFR50.36(a). Also included is an assessment of radiation doses from plant releases.

A brief discussion of the Supplemental Information and Tables 1 and 3 through 7 is presented in Sections A through D. An evaluation of the radiological impact on man due to operation of the Virgil C. Summer Nuclear Station is presented in Section E and Table 2. A summary of the meteorological data for 1984 is presented in Section F and Tables 8 and 9. Changes made to the Process Control Program are presented in Section G. Section H contains an explanation of abnormal occurrences during the July-December, 1984 operating period.

A. Supplemental Information

Regulatory limits for doses and maximum permissible concentrations presented in Supplemental Information are from the Virgil C. Summer Nuclear Station Technical Specifications. Average energy (\overline{E}) is not applicable to the method for determining release rate limits for fission and activation gaseous effluents; therefore, it has been omitted.

B. Gaseous Effluents

Gaseous effluents released from ground level are summarized in Tables 3 and 4. An elevated release pathway does not exist at Virgil C. Summer Nuclear Station. Cumulative doses are discussed in Section E.

The errors for gaseous effluent totals are given as the square root of the sum of squares of counting errors and flow or volume measurement errors. A systematic error of 15% has been added to estimate total error.

C. Liquid Effluents

Liquid effluents are summarized in Tables 5 and 6. Estimated total errors are expressed as in Section B above.

D. Solid Waste Shipments

Solid waste shipments are summarized in Table 7. The twenty-one (21) shipments during this reporting period are described on the following page in Table 1.

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Table 1

SOLID WASTE SHIPMENTS

DATE	WASTE TYPE
07-11-84	120/55-gallon drums and 2 B-25 boxes, Class A, dry active
	waste: Radioactive Material-LSA.
07-18-84	2 carbon steel liners containing solidified evaporator
	bottoms Class A waste: Radioactive Material-LSA
08-01-84	2 carbon steel liners containing solidified evaporator
	bottoms, Class A waste: Radioactive Material-LSA
08-03-84	2 carbon steel liners containing solidified evaporator
	bottoms, Class A waste; Radioactive Material-LSA
08-16-84	1 conical bottom HIC containing dewatered resins, Class A
	waste: Radioactive Material-LSA.
08-22-84	113/55-gallon drums and 2 B-25 boxes, Class A, dry active
	waste: Radioactive Material-LSA.
08-23-84	1 conical bottom HIC containing dewatered resins, Class A
00 20 01	waste: Radioactive Material-LSA.
08-28-84	2 carbon steel liners containing solidified evaporator
	bottoms. Class A waste; Radioactive Material-LSA
08-29-84	2 carbon steel liners containing solidified evaporator
	bottoms. Class A waste: Radioactive Material-LSA
08-30-84	2 carbon steel liners containing solidified evaporator
	bottoms, Class A waste; Radioactive Material-LSA
08-31-84	2 carbon steel liners containing solidified evaporator
	bottoms, Class A waste; Radioactive Material-LSA
09-13-84	1 conical bottom HIC containing dewatered resins, Class A
	waste: Radioactive Material-LSA
09-14-84	1 carbon steel liner containing solidified evaporator
	bottoms: Class A waste; Radioactive Material-LSA
10-02-84	l carbon steel liner containing solidified evaporator
	bottoms, Class A waste; Radioactive Material-LSA
10-05-84	80/55-gallon drums and 4 B-25 boxes, Class A, dry active
	waste; Radioactive Material-LSA.
10-10-84	1 foam-lined conical bottom HIC containing process filters,
	Class A waste; Radioactive Material-LSA
10-12-84	1 conical bottom HIC containing dewatered resins, Class A
	waste: Radioactive Material-LSA
11-02-84	134/55-gallon drums and 4 B-25 boxes, Class A, dry active
	waste: Radioactive Material-LSA
11-16-84	96/55-gallon drums and 6 B-25 boxes, Class A, dry active
	waste: Radioactive Material-LSA.
11-20-84	2 carbon steel liners containing solidified evaporator
	bottoms, Class A waste; Radioactive Material-LSA
11-30-84	110/55-gallon drums and 6 B-25 boxes, Class A, dry active
	waste; Radioactive Material-ISA

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The conservative method for curie content determination is based on contact dose rates measured around the perimeter of the respective packages. The estimated total error is determined to be the sum of a 15% systematic error and a 20% photon response error for the detector used.

E. Radiological Impact on Man

Potential doses to the maximum exposed individual in the unrestricted area were calculated using measured plant gaseous effluent and meteorological data in accordance with the Offsite Dose Calculation Manual. Included in the source term were three (3) waste gas batch releases, ten (10) containment purges and a continuous six month main plant vent release. The total curies released are presented in Tables 1 and 2. Air doses to an individual due to noble gases were 2.44E-3 and 3.64E-3 mrad for gamma and beta respectively. The maximum organ dose attributed to the releases was 3.45E-5 mrem for the six month period. Cumulative annual doses were 3.72E-3 mrad, 5.23E-3 mrad and 1.52E-4 mrem for gamma, beta and organ dose, respectively.

Measured plant liquid effluent data was used to calculate estimates of doses to individuals in accordance with the Offsite Dose Calculation Manual. The source term consisted of the isotopic contents of each of the 233 liquid effluent batch releases from Waste Monitor Tanks, Steam Generator Blowdowns, Condensate Demineralizer Backwash, and a continuous Turbine Building Sump release. The total radioactivity released is described in Tables 3 and 4. The total body dose to the maximally exposed individual due to the radioactive liquid released was 1.22E-2 mrem. The maximum organ dose was 5.06E-2 mrem to the Gastrointestinal Tract and Lower Large Intestine (GI-LLI). Cumulative annual doses were 1.73E-2 mrem and 2.72E-1 mrem, respectively, for the hypothetical maximally exposed individual.

Radiation doses from nearby uranium fuel cycle sources were not assessed. Technical Specifications, Section 3/4.11.4, page B 3/4 11-6 establishes a five (5) mile limit beyond which doses from nearby plants are insignificant. There are no uranium fuel cycle plants within a five (5) mile radius of Virgil C. Summer Nuclear Station.

Radiation doses from radioactive effluents to members of the public due to their activities inside the site boundary were assessed in a manner different from that in the Offsite Dose Calculation Manual. Monthly thermoluminescent dosimetry data from eight (8) monitoring locations within the site boundary and ten (10) locations around the site boundary perimeter were analyzed and compared with respective pre-operational background history. Results showed that 1984 monthly dose rates did not differ significantly from the pre-operational dose rates. It was concluded that doses to members of the public inside the site boundary were indistinguishable from normal background dose resulting from a dose rate of 7.9E-3 mrem per hour and were, therefore, insignificant.

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Radiation doses from radioactive effluents to workers at the Fairfield Hydro Station were determined to be 3.33E-4 and 4.97E-4 mrad for gamma and beta, respectively. Annual cumulative doses were 5.08E-4 and 7.14E-4 mrad, respectively.

Accumulated doses due to gaseous and liquid effluents and respective Technical Specification limits are summarized as follows:

Table 2
GASEOUS AND LIQUID DOSES

		Third Quarte	r, 1984	Fourth Quar	ter, 1984
Tech Spec Section	Gaseous Limits	Actual	Percent of Limit	Actual	Percent of Limit
3.11.2.2a,b	5 mrad gamma/qtr. 10 mrad gamma/yr.	2.36E-3 mrad	4.72E-2 3.64E-2*	7.53E-5 mrad	1.51E-3 3.72E-2*
3.11.2.2a,b	10 mrad beta/qtr. 20 mrad beta/yr.	3.44E-3 mrad	3.44E-2 2.52E-2*	2.04E-4 mrad	2.04E-3 2.62E-2*
3.11.2.3a,b	7.5 mrem/organ/qtr. 15 mrem/organ/yr.	2.57E-5 mrem	3.43E-4 9.51E-4*	8.77E-6 mrem	1.17E-4 1.01E-3*
	Liquid Limits				
3.11.1.2a,b	1.5 mrem/qtr. 3.0 mrem/yr.	1.73E-3 mrem	1.15E-1 2.27E-1*	1.05E-2 mrem	7.02E-1 5.77E-1*
3.11.1.2a,b	5 mrem/organ/qtr. 10 mrem/organ/yr.	2.35E-2 mrem	4.70E-1 2.45E+0*	2.71E-2 mrem	5.42E-1 2.72E+0*

^{*} Includes contribution from previous quarters.

Dose rates and concentrations were below the limits specified in Supplemental Information, Section 2a, b and c during all the effluent releases.

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F. Meteorology

The meteorological data for 1984 is summarized in Table 8. The data is shown as joint frequency distribution of wind direction and speed by atmospheric stability class. Table 9 provides the same information for those hours during which batch releases occurred.

The wind data used in the summary was acquired from the 10 meter level of the primary monitoring tower. Stability was determined by the primary differential temperature (61 to 10 meter). During periods in which the primary indicator was not available the secondary indicator (40 to 10 meter differential temperature) was used.

The combined annual data recovery for wind direction, wind speed, and stability was 90%. Primary variable recovery rates were as follows: wind direction (10m) - 95%, wind speed (10 m) - 93%, differential temperature (61-10m) - 96%, differential temperature (40-10m) - 98%. These low recovery rates are attributed to lightning and hail damage sustained during several severe thunderstorms.

G. Process Control Program

The Virgil C. Summer Nuclear Station (VCSNS) Process Control Program (PCP) was modified in July, 1984 to reflect minor changes in the dewatering process for 24 inch diameter pressure demineralizer vessels. The overall conformance of the solidified waste product to existing criteria for solid wastes has not been adversely affected by the changes incorporated in the VCSNS PCP. Per Technical Specification requirement 6.13.2.1.c, the PSRC has reviewed and approved the revision (Rev. 3, Change A) which is enclosed as Attachment I. See page 1, Procedure Development Form - A, Section VII, for the PSRC approval signature.

H. Abnormal Occurrences Affecting Effluent Release Data

One abnormal release occurred during the July-December, 1984 operating period. On December 17, 1984, approximately 300 gallons of liquid waste was released to the Fairfield Hydro Penstocks as described in LER 84-048. The approximate activity concentration (non-tritium) of the liquid release was estimated (conservatively) to be 1.2E-3 uCi/ml from the affected monitor readings taken during the release. The total (non-tritium) activity released was then approximated to be 1.36E-3 Ci of which 9.6E-4, 2.9E-4, and 7.5E-5 Ci were expected to be from Co-58, Co-60, and Mn-54, respectively, based on the applicable nuclide ratios available at that time. Tritium activity was estimated to be 2.82E-2 Ci. The total body dose to the maximum organ dose estimate was 3.7E-6 mrem (GI-LLI). These insignificant activities and doses have been included in the total liquid release values for the six-month period.

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Supplemental Information

1. Regulatory Limits:

a. Fission and Activation Gases:

The air dose to an individual due to noble gases released in gaseous effluents shall be limited to less than or equal to 5 mrad for gamma radiation and 10 mrad for beta radiation during any calendar quarter and 10 mrad for gamma radiation and 20 mrad for beta radiation during any calendar year (Technical Specifications, Section 3.11.2.2).

b. Iodines, Particulates (half-lives > 8 days) and Tritium:

The dose to an individual from radioiodines, tritium and radioactive materials in particulate form with half-lives greater than 8 days in gaseous effluents shall be limited to less than or equal to 7.5 mrem to any organ during any calendar quarter and 15 mrem to any organ during any calendar year (Technical Specifications, Section 3.11.2.3).

c. Liquid Effluents:

The dose or dose commitment to an individual from radioactive materials in liquid effluents released shall be limited to less than or equal to 1.5 mrem to the total body and 5 mrem to any organ during any calendar quarter and 3 mrem to the total body and 10 mrem to any organ during any calendar year (Technical Specifications, Section 3.11.1.2).

2. Maximum Permissible Concentrations:

a. Fission and Activation Gases:

The dose rate in unrestricted areas due to radioactive materials released in gaseous effluents shall be limited to less than or equal to 500 mrem/year to the total body and less than or equal to 3000 mrem/year to the skin (Technical Specifications, Section 3.11.2.1).

b. Iodines, Particulates (half-lives > 8 days) and Tritium:

The dose rate in unrestricted areas due to radioactive materials in effluents shall be limited to less than or equal to 1500 mrem/year to any organ (Technical Specifications, Section 3.11.2.1).

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c. Liquid Effluents:

The concentration of radioactive materials released from the site shall be limited to the concentrations specified in 10 CFR 20, Appendix B, Table II, Column 2 for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to 2E-4 uCi/ml total activity (Technical Specifications, Section 3.11.1.1).

Average Energy:

Not Applicable

- 4. Measurements and Approximations of Total Radioactivity:
 - a. Fission and activation gases: Gamma spectrometry (GeLi or HPGe)
 - b. Iodines: Gamma spectrometry (GeLi or HPGe)
 - c. Particulates: Gamma spectrometry (GeLi or HPGe), beta proportional counting
 - d. Tritium: Liquid scintillation
 - e. Liquid effluents: Gamma spectrometry (GeLi or HPGe), liquid scintillation (H-3), beta proportional counting, alpha proportional counting

5. Batch Releases:

- a. Liquid:
 - 1. Number of batch releases:

120 for third quarter, 1984 113 for fourth quarter, 1984

2. Total time period for batch releases:

7796 min. for third quarter, 1984 6860 min. for fourth quarter, 1984

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3. Maximum time period for a batch release:

125 min. for third quarter, 1984 100 min. for fourth quarter, 1984

4. Average time period for batch releases:

65 min. for third quarter, 1984 61 min. for fourth quarter, 1984

5. Minimum time period for a batch release:

43 min. for third quarter, 1984 37 min. for fourth quarter, 1984

6. Average stream flow during periods of release of effluent into a flowing stream:

> 4.16E+6 gpm for third quarter, 1984 3.78E+6 gpm for fourth quarter, 1984

b. Gaseous:

- 1. Number of batch releases: 13
- 2. Total time period for batch releases: 13238 min.
- 3. Maximum time period for a batch release: 1419 min.
- 4. Average time period for a batch release: 1018 min.
- 5. Minimum time period for a batch release: 20 min.

6. Abnormal Releases:

- a. Liquid:
 - 1. Number of releases: 1
 - Total activity released: 2.96E-2 Ci (estimated maximum-principally Tritium)

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b. Gaseous:

- 1. Number of releases: 0
- 2. Total activity released: 0

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Table 3

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

Third	Fourth	Est.Total
Quarter	Quarter	Error, %

A. Fission & activation gases

1. Total release			1.11E+0	
2. Average release rate for period	uCi/sec	1.34E+0	1.40E-1	
3. Percent of technical specification limit	8	*	*	

B. Iodines

1. Total iodine-131	Ci	0	0	3.38E+1
2. Average release rate for period	uCi/sec	0	0	
3. Percent of technical specification limit	8	☆★	**	

C. Particulates

1. Particulates with half-lives > 8 days	Ci	0	5.04E-6	5.28E+1
	uCi/sec	0	6.34E-7	
2. Average release rate for period 3. Percent of technical specification limit	000	**	**	
4. Gross alpha radioactivity	Ci	0	0	

D. Tritium

1. Total release	Ci	4.70E-2	1.67E-2	2.99E+1
2. Average release rate for period	uCi/sec	5.91E-3	2.10E-3	
3. Percent of technical specification limit	8	**	**	

- * Calculated as a percent of dose limits found in Supplemental Information, Section la. Third quarter values were 4.72E-2% and 3.52E-2% of the quarterly and cumulative annual gamma dose limits, respectively and 3.44E-2% and 2.45E-2% of the quarterly and cumulative annual beta dose limits, respectively. Fourth quarter values were 1.51E-3% and 3.60E-2% of the quarterly and cumulative annual gamma dose limits, respectively, and 2.04E-3% and 2.55E-2% of the quarterly and cumulative annual beta dose limits, respectively.
- ** Calculated as a percent of dose limits found in Supplemental Information, Section lb.
 The sum of these values for the third quarter was 3.43E-4% and 9.52E-4% of the
 quarterly and cumulative annual organ dose limits, respectively. The sum of these
 values for the fourth quarter was 1.17E-4% and 1.01E-3% of the quarterly and cumulative
 annual organ dose limits, respectively.

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Table 4

GASEOUS EFFLUENTS-GROUND-LEVEL RELEASES

	Continu	ous Mode	Batch	Mode
Nuclides Released Unit	Third	Fourth	Third	Fourth
	Quarter	Quarter	Quarter	Quarter

1. Fission gases

Ci	0	0	0	0
Ci	0	0	0	0
Ci	0	0	0	0
Ci	0	0	0	0
The second secon	7.35E-1	3.63E-1	3.25E+0	7.10E-1
		3.61E-2	9.85E-2	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
	0	0	0	0
The same of the sa	7.29E+0	3.99E-1	3.35E+0	7.10E-1
	Ci Ci Ci Ci Ci Ci Ci Ci Ci	Ci 0 Ci 0 Ci 7.35E-1 Ci 6.56E+0 Ci 0 Ci 0 Ci 0	Ci 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ci 0 0 0 Ci 0 0 0 Ci 7.35E-1 3.63E-1 3.25E+0 Ci 6.56E+0 3.61E-2 9.85E-2 Ci 0 0 0 Ci 0 0 0

2. Iodines

iodine-131	Ci	0	0	0	0
iodine-133	Ci	1.40E-6	0	0	0
iodine-135	Ci	0	0	0	0
Total for period	Ci	1.40E-6	0	0	0

3. Particulates

strontium-89	Ci	0	0	0	0
strontium-90	Ci	0	0	0	0
cesium-134	Ci	0	0	0	0
cesium-137	Ci	0	0	0	0
barium-lanthanum-140	Ci	0	0	0	0
Others: Co-58	Ci	0	5.04E-6	0	0
unidentified	Ci	0	0	0	0
Total for period	Ci	0	5.04E-6	0	0

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Table 5

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

	Third	Fourth	Est.Total
Unit	Quarter	Quarter	Error, %

A. Fission & activation products

1. Total release (not including tritium, gases, alpha)	Ci	4.96E-1	5.18E-1	1.93E+1
2. Average diluted concentration during period	uCi/ml	1.40E-9	2.70E-9	
3. Percent of applicable limit	8	*	*	

B. Tritium

1. Total release	Ci	8.14E+1	3.82E+1	1.80E+1
2. Average diluted concentration during period	uCi/ml	2.30E-7	1.99E-7	
3. Percent of applicable limit	8	*	*	

C. Dissolved and entrained gases

1. Total release	Ci	3.04E-2	0	3.82E+1
 Average diluted concentration during period 	uCi/ml	8.59E-11	0	
3. Percent of applicable limit	8	*	*	

D. Gross alpha radioactivity

1. Total release	Ci	0	0	3.81E+1
E. Volume of waste released (prior to dilution)	liters	4.96E+7	4.42E+7	3.00E+0
F. Volume of dilution water used during period	liters	3.53E+11	1.92E+11	4.30E+0

^{*} See following page.

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Table 5

LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

* Calculated as a percent of dose limits found in Supplemental Information, Section Ic. The sum of these values for the third quarter was 1.16E-1% and 2.28E-1% of the respective quarterly and cumulative annual whole body dose limits and 6.19E-1% and 2.65% of the respective quarterly and cumulative annual organ dose limits. The sum of these values for the fourth quarter was 7.02E-1% and 5.79E-1% of the respective quarterly and cumulative annual whole body dose limits and 1.36% and 3.33% of the respective quarterly and cumulative annual organ dose limits. Dose to the GI-LLI was the most limiting organ dose for the third and fourth quarters of 1984.

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Table 6

LIQUID	. एचचच	ENTS
PICOID	Est L	THILL

		Continuo	ous Mode	Batch	Mode	
		Third	Fourth	Third	Fourth	
Nuclides Released †	Unit	Quarter	Quarter	Quarter	Quarter	
strontium-89	Ci	0	0	9.33E-5	9.10E-6	
strontium-90	Ci	0	0	0	0	
cesium-134	Ci	0	0	0	4.38E-5	
cesium-137	Ci	0	0	0	8.93E-6	
iodine-131	Ci	2.19E-4	0	6.56E-4	5.46E-6	
cobalt-58	Ci	0	0	2.85E-1	3.45E-	
cobalt-60	Ci	0	0	6.99E-2	9.66E-	
iron-59	Ci	0	0	3.73E-3	2.91E-	
zinc-65	Ci	0	0	6.51E4	9.37E-	
manganese-54	Ci	0	0	2.65E-2	2.49E-	
chromium-51	Ci	0	0	2.91E-2	1.75E-	
	Ci	0	0	1.27E-2	7.25E-	
zirconium-niobium-95	Ci	0	0	7.68E-7	6.37E-	
molybdenum-99 technetium-99m	Ci	0	0	2.54E-4	5.12E-	
barium-lanthanum-140		0	0	5.22E-5	3.27E-	
cerium-141	Ci	Ö	0	0	0	
Other: Na-24	Ci	3.61E-3	0	5.76E-3	1.98E-	
Other: Na-24 *Ar-41	Ci	0	0	2.64E-5	0	
Fe-55	Ci	0	0	4.85E-2	9.54E-	
*Ni-56	Ci	0	0	0	5.32E-	
*Co-57	Ci	0	0	7.43E-4	1.12E-	
Zn-69m	Ci	0	0	1.55E-6	9.33E-	
Rb-88	Ci	6.02E-4	0	2.41E-4	0	
*Nb-97	Ci	0.021	0	0	5.04E-	
2r-97	Ci	0	0	1.90E-5	0	
Ag-110m	Ci	0	0	2.40E-3	0	
*Sn-113	Ci	0	0	7.56E-5	3.40E-	
*Sb-124	Ci	0	0	4.11E-4	3.40E-	
*Sb-124	Ci	0	0	3.27E-4	And in concession with the contract of the con	
1-132	Ci	0	0	1.03E-3	0	
I-133	Ci	6.93E-4	0	1.24E-3	2.01E-	
*Ba-133	Ci	0	0	7.19E-6	0	
I-135	Ci	0	0	2.79E-4	0	
Ce-144	Ci	0	0	6.15E-4	3.07E	
W-187	Ci	0	0	3.81E-4	7.69E	
Np-239	Ci	Ö	0	4.68E-5	0	
Total for period (above)	Ci	5.12E-3	1 0	4.91E-1	5.18E	

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Table 6 (Continued)

LIQUID EFFLUENTS

		Continuo	ous Mode	Batch	Mode
Nuclides Released	Unit	Third Quarter	Fourth Quarter	Third Quarter	Fourth Quarter
xenon-133	Ci	7.39E-5	0	1.09E-2	0
xenon-135	Ci	2.11E-4	0	1.84E-2	0
Other: Kr-85m	Ci	0	0	3.33E-4	0
Kr-88	Ci	0	0	3.23E-4	0
Kr-87	Ci	0	0	1.64E-5	0
Xe-133m	Ci	0	0	1.15E-4	0

- † Tritium not included. See Table 5 for tritium numbers.
- * Dose factors for these trace radionuclides are not included in the ODOM or Regulatory Guide 1.109, consequently the cumulative dose attributed to these isotopes is not reported. The quantity of these isotopes comprised only 1.94E-3% and 3.29E-2% of the total curies released (including tritium) during the third and fourth quarter, respectively.

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Table 7

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite 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	1.16E+2 8.18E+1	3.50E+1
b. Dry compressible waste, contaminated equip., etc.	m ³ Ci	2.05E+2 1.31E+0	3.50E+1
c. Irradiated components, control rods, etc.	m ³ Ci	0	0
d. Other (describe) Process Filters	m ³ Ci	2.38E+0 1.97E+0	3.50E+1

2. Estimate of major nuclide composition (by type of waste)*

8	5.25E+1
*	1.41E+1
8	1.04E+1
8	2.05E+1
8	1.89E+0
8	4.12E+1
8	2.77E+1
8	1.43E+1
8	1.47E+1
8	1.63E+0
8	0
8	3.04E+1
8	2.64E+1
8	1.36E+1
8	1.15E+1
8	1.78E+1
	8 8 8 8 8 8 8 8 8 8

- * All nuclides are listed in descending order by activity level.
 All nuclides with concentrations above 0.25% are listed.
- 3. Solid Waste Disposition (6 month period)

Number of Shipments	Mode of Transportation	Destination		
21	Truck	Barnwell, S.C.		

B. Irradiated Fuel Shipments (Disposition)

Number of Shipments Mode of Transportation Destination

NONE

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 1- 1 00:00 to 1984- 3-31 23:00 Stability Class: A delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind S	peed (mile	s/hour)				
Directi								Mean
	0.75- (4	4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	0	0	0	4	0	0	4	15.85
NNE	0	0	1	0	1 1	0	5	14.96
NE	1	0	2	0	0	0	3	7.97
ENE	0	- 0	1	0	0	0	1	10.10
E	0	1	0	0	0	0	1	5,30
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	1	0	0	0	1	9.80
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	1	0	0	0	1	10.30
SW	0	0	0	0	0	0	0	0.00
WSW	0	1	1	0	0	0	2	6.93
W	0	2	0	0	0	0	2	4.86
WNW	0	2	0	0	0	0	2	5.81
NW	0	1	1	0	0	0	2	7.85
NNW	0	2	0	0	0	0	2	5,40
Total	1	9	8	4	1	0	23	NET JOSE AND NOTE 11-3 THE

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data : 1 Hours of Missing Data Hours of Missing Data for All : 360 Hours of No Stability Class : 5 Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period: 1984- 1- 1 00:00 to 1984- 3-31 23:00

Stability Class: B delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	peed (miles	/hour)				
Directi	on							Mean
	0.75~ <4	4- (8	8- (13	13- (19	19- 24	>24	Total	Speed
N	1	0	3	1	1	0	6	10.65
NNE	0	0	3	1	4	0	8	15.73
NE	0	1	1	0	0	0	2	8.85
ENE	0	5	2	0	0	0	4	7.01
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
1. for	0	1	0	0	0	0	1	7.99
SSE	0	0	1	2	0	0	3	12.90
S	0	0	1	0	0	0	1	10.90
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	1	0	0	0	0	1	4.78
W	0	1	0	0	0	0	1	6.12
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
MNM	0	5	0	0	0	. 0	2	7.17
Total	1	8	11	4	5	0	29	Mr. des des 210 res 100

Hours of Calm
Hours of Varying Wind Direction:
Hours of Missing Data
Hours of Missing Data for All:
360
Hours of No Stability Class:
Total hours of observation:
2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27
Data Period: 1984- 1-1 00:00 to 1984- 3-31 23:00
Stability Class: C delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind S	peed (miles	/hour)				
Directi								Mean
	0.75- <4	4- (8	8- <13	13- (19	19- 24	>24	Total	Speed
N	0	1	3	1	0	0	5	10.89
NNE	0	2	5	8	5	0	20	15.21
NE	2	3	3	5	0	0	13	11.00
ENE	0	4	0	0	0	0	4	4.70
E	0	0	0	0	0	0	0	0,00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	1	0	0	0	1	9.11
SSE	0	2	0	1	0	0	3	10.82
S	0	1	1	0	0	0	2	7.46
SSW	0	0	1	0	0	0	1	8.34
SW	0	0	1	1	0	0	2	12.14
WSW	0	0	1	2	0	0	3	13.93
W	0	2	0	0	0	0	2	4.88
WNW	1	1	0	0	0	0	2	4.05
NW	0	3	1	0	0	0	4	6.73
иим	0	3	3	0	0	0	6	8.47
Total	3	22	20	18	5	0	68	mir das ann brev vest man

Hours of Calm Hours of Varying Wind Direction : 0 Hours of Missing Data 13 Hours of Missing Data for All : 360 Hours of No Stability Class : 5 Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 1- 1 00:00 to 1984- 3-31 23:00 Stability Class: D delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind S	peed (miles	/hour)				Mean
Directio	0.75- (4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	9	15	11	3	0	0	38	7.40
NNE	10	24	15	20	0	0	69	9.10
NE	5	20	51	16	0	0	92	9.97
ENE	2	24	28	6	0	0	60	8.94
E	5	28	11	0	0	0	44	6.68
ESE	1	9	22	2	0	0	34	8.86
SE	1	13	18	3	1	0	36	9.39
SSE	5	10	17	7	2	0	41	10.05
S	2	14	16	4	0	0	36	8,70
SSW	4	20	10	2	0	1	37	7.78
SW	11	29	18	5	0	0	63	7.55
WSW	7	34	31	24	5	0	101	10.17
W	8	31	38	12	1	0	9.0	8.94
WNW	9	21	15	7	0	0	52	8,01
NW	6	15	9	7	0	0	37	8.30
NNW	8	13	10	2	1	0	34	6.95
Total	93	320	320	120	10	1	864	

Hours	of	Calm		1	0
Hours	of	Varying	Wind Direction	1	0
Hours	of	Missing	Data		218
Hours	of	Missing	Data for All	1	360
Hours	of	No Stabi	ility Class	1	5
Total	hou	urs of ot	servation		2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 1- 1 00:00 to 1984- 3-31 23:00 Stability Class: E delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind S	peed (miles	/hour)				
Directi	on							Mean
	0.75- (4	4- <8	8- (13	13- (19	19- 24	>24	Total	Speed
N	11	15	2	0	0	0	28	4.82
NNE	7	15	4	0	0	0	26	5.53
NE	3	13	6	0	0	- 0	22	6.41
ENE	4	9	1	0	0	0	14	5.55
E	3	25	1	0	0	0	29	5.70
ESE	4	14	0	0	0	0	18	5.19
SE	4	25	5	0	0	0	34	6.15
SSE	4	31	5	0	0	0	40	5.92
S	9	19	3	0	0	0	31	5.21
SSW	6	13	9	0	0	0	28	5.89
SW	9	41	13	1	0	0	64	6.41
WSW	5	34	11	0	0	0	50	6.20
W	9	22	5	0	0	0	36	5.41
WNW	8	12	4	0	0	0	24	5.38
NW	6	5	0	0	0	0	11	4.34
иим	4	6	5	0	0	0	15	6.82
Total	96	299	74	1	0	0	470	

Hours of Varying Wind Direction: 0
Hours of Missing Data Hours of Missing Data : 89 Hours of Missing Data for All : 360 Hours of No Stability Class : 5 Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period: 1984- 1- 1 00:00 to 1984- 3-31 23:00

Stability Class: F delta T/ delta z Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				
Directi	on							Mean
	0.75- <4	4- <8	8- <13	13- (19	19- 24	>24	Total	Speed
N	1	5	0	0	0	0	6	4.93
NNE	0	4	0	0	0	0	4	5.36
NE	1	2	0	0	0	0	3	4.14
ENE	2	6	0	0	0	0	8	4.91
E	0	4	0	0	0	0	4	6.27
ESE	5	3	1	0	0	0	9	4.81
SE	3	19	1	0	0	0	23	6.48
SSE	6	16	1	0	0	0	23	5.18
S	1	15	1	0	0	0	17	5.53
SSW	3	14	0	0	0	0	17	4.85
SW	4	1.4	0	0	0	0	18	4.70
WSW	5	11	0	0	0	0	16	4.34
W	6	2	0	0	0	0	8	3.68
WNW	9	4	0	0	0	0	13	3,56
NW	4	4	0	0	0	0	8	4.08
NNW	1	3	0	0	0	0	4	4.77
Total	51	126	4	0	0	0	181	

Hours of Calm Hours of Varying Wind Direction : 0 Hours of Missing Data : Hours of Missing Data for All : 360 Hours of No Stability Class : 5 Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27
Data Period: 1984- 1- 1 00:00 to 1984- 3-31 23:00
Stability Class: G delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Total	87	68	2	0	0	0	157	
ทพพ	0	0	0	0	0	0	0	0.00
NM	4	1	0	0	0	0	5	3.37
MMM	10	4	0	0	0	0	14	3.65
W	12	11	0	0	0	0	23	3.66
WSW	8	3	0	0	0	0	11	3.60
SW	12	2	0	0	0	0	14	3.16
SSW	9	6	0	0	0	0	15	3.41
S	13	4	0	0	0	0	17	3.42
SSE	6	17	1	0	0	0	24	5.02
SE	4	13	1	0	0	0	18	5.36
ESE	0	0	0	0	0	0	0	0.00
E	3	2	0	0	0	0	5	4.00
ENE	4	2	0	0	0	0	6	4.03
NE	2	3	0	0	0	0	5	5.15
NNE	0	0	0	0	0	0	0	0.00
N	0	0	0	0	0	0	0	0.00
	0.75- (4	4- (8	8- <13	13- <19	19- 24	>24	Total	Speed
Directio			4000	142	120 22		4	Mean
Wind		Wind Si	need (miles	/nour)				

Hours of Calm 18 Hours of Varying Wind Direction: 0
Hours of Missing Data : 11 Hours of Missing Data Hours of Missing Data for All : 360
Hours of No Stability Class : 5
Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period: 1984- 1- 1 00:00 to 1984- 3-31 23:00

Stability Class:ALL delta T/ delta z Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	s/hour)				Mean
Directi	0.75- (4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	55	36	19	9	1	0	87	7.21
NNE	17	45	28	29	10	0	129	9.71
NE	1.4	42	63	21	0	0	140	9.15
ENE	12	49	32	6	0	0	99	7.56
E	11	62	12	0	0	. 0	85	6.17
ESE	10	26	23	2	0	0	61	7.18
SE	12	71	27	3	1	0	114	7.19
SSE	21	76	25	10	2	0	134	7.16
S	25	53	22	4	0	0	104	6.27
SSW	22	53	21	2	0	1	99	6.11
SW	36	86	32	7	0	0	161	6.46
WSW	25	84	44	26	5	0	184	8,19
W	35	71	43	12	1	0	162	7.03
WNW	37	44	19	7	0	0	107	6,19
NW	20	29	11	7	0	0	67	6.67
NNW	13	29	18	5	1	0	63	6.88
Total	332	856	439	147	21	1	1796	

Hours of Calm : 28
Hours of Varying Wind Direction : 0
Hours of Missing Data for All : 360
Hours of No Stability Class : 5
Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period: 1984-4-1 00:00 to 1984-6-30 23:00

Stability Class: A delta T/ delta z Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				Mean
Directi	0.75- (4	4- (8	8- (13	13- <19	19- 24	>24	Total	Speed
N	0	2	0	2	0	0	4	10.43
NNE	0	1	7	0	0	0	8	9.98
NE	0	3	0	0	0	0	3	5.77
ENE	0	3	0	0	0	0	3	6.39
E	0	2	0	0	0	0	2	5,83
ESE	0	2	0	0	0	0	2	7.18
SE	0	0	0	0	0	0	0	0.00
SSE	0	1	2	0	0	0	3	9.25
S	0	0	0	0	0	0	0	0.00
SSW	0	1	0	0	0	0	1	4.57
SW	0	0	0	0	0	0	0	0.00
WSW	1	0	0	0	0	0	1	3.72
W	0	0	0	0	0	0	0	0.00
MNM	0	1	0	0	0	0	1	5.10
NW	1	0	0	0	0	0	1	3.50
NNW	1	1	0	0	0	0	2	4.67
Total	3	17	9	2	0	0	31	100 1000 1000 1011 1001 1000

Hours	of	Calm			1.	2
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	5
Hours	of	Missing	Data	for All		89
Hours	of	No Stabi	ility	Class	1	1
Total	ho	urs of ot	serva	ation		2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27
Data Period: 1984- 4-1 00:00 to 1984- 6-30 23:00
Stability Class: B delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind S	need (miles	(hour)				
Directi	on							Mean
	0.75- <4	4- (8	8- <13	13- (19	19- 24	>24	Total	Speed
N	0	1	0	0	0	0	1	7.56
NNE	- 2	2	1	0	1	0	6	8.29
NE	2	3	0	0	0	0	5	4.68
ENE	2	4	1	0	0	0	7	5.24
E	1	0	1	0	0	0	2	6.07
ESE	0	3	0	0	0	0	3	6.11
SE	0	1	2	0	0	0	3	7.88
SSE	1	0	1	0	0	0	2	7.51
S	0	0	0	1	0	0	1	16.50
SSW	0	2	0	0	0	0	2	5,28
SW	0	1	2	0	0	0	3	8.78
WSW	0	0	0	1	0	0	1	13.02
lal .	1	0	n	n	0	0	1	2.93
WNW	0	0	ñ	0	0	0	0	0.00
NW	0	0	0	n	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	9	17	8		1	0	37	

Hours of Calm : 1
Hours of Varying Wind Direction : 0
Hours of Missing Data : 5 Hours of Missing Data : Hours of Missing Data for All : 89
Hours of No Stability Class : 1
Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 4- 1 00:00 to 1984- 6-30 23:00 Stability Class: C delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Directi	0.0	Wind Sp	eed (miles	/hour)				Mean
VAI CLA		4- <8	8- (13	13- <19	19- 24	>24	Total	
N	1	0	0	1	2	0	4	15.71
NNE	5	3	1	4	4	0	14	12.81
NE	2	7	1	4	0	0	14	8.41
ENE	2	6	5	0	0	0	13	6.65
E	0	2	1	0	0	0	3	7.61
ESE	0	1	0	0	0	0	1	4.19
SE	0	3	0	0	0	0	3	5.64
SSE	0	0	1	0	0	0	1	11.20
S	0	1	2	1	1	0	5	12.70
SSW	0	2	1	0	0	0	3	6.38
SW	0	A	1	0	0	0	5	5.91
WSW	0	2	1	1	0	0	4	8.98
W	2	0	0	0	0	0	2	3.54
WNW	0	2	2	0	0	0	4	7,20
NW	0	1	0	0	0	0	1	5.35
NNW	2	1	0	0	0	0	3	4.63
Total	11	35	16	11	7	0	80	AND REST COME ADDRESS COME STORY

Hours of Calm Hours of Varying Wind Direction : Hours of Missing Data : Hours of Missing Data for All : 89
Hours of No Stability Class : 1
Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 4- 1 00:00 to 1984- 6-30 23:00 Stability Class: D delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind S	peed (miles	s/hour)				
Directi		4 /0	0 /17	17 /10	10 04			Mean
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	10	12	15	12	0	0	49	9.17
NNE	11	25	21	22	2	0	81	9.85
NE	7	30	28	16	0	0	81	9.18
ENE	2	26	29	6	1	0	64	8.99
E	2	19	1.6	6	0	0	43	8.60
ESE	2	21	10	0	0	0	33	6.70
SE	2	22	7	0	0	0	31	6.14
SSE	2	51	35	4	0	0	92	7.90
S	5	50	39	6	2	0	102	8.39
SSW	5	43	26	4	0	1	79	7.73
SW	7	66	31	5	0	0	109	7.21
WSW	6	82	58	18	0	0	164	8.33
W	8	15	33	18	0	0	74	9.56
WNW	6	16	9	3	0	0	34	7.56
NW	4	9	5	2	0	0	20	7.34
MMM	8	4	12	6	0	0	30	8.69
Total	87	491	374	128	5	1	1086	DO 200 200 WAS NO 200

Hours of Calm Hours of Varying Wind Direction : 0
Hours of Missing Data Hours of Missing Data for All : 89
Hours of No Stability Class : 1
Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period: 1984- 4- 1 00:00 to 1984- 6-30 23:00

Stability Class: E delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	5/hour)				d.
Directi	on							Mean
	0.75- <4	4- <8	8- (13	13- (19	19- 24	>24	Total	Speed
N	6	16	0	2	0	0	24	5.69
NNE	6	17	5	2	0	0	30	6.14
NE	4	4	4	0	0	0	12	6.49
ENE	2	6	8	0	0	0	16	7.52
E	2	11	2	0	0	0	15	6.12
ESE	5	12	3	0	0	0	20	5,68
SE	5	17	6	0	0	0	28	5.86
SSE	9	59	8	0	0	0	76	5.88
S	12	66	12	0	0	0	90	5.90
SSW	11	49	1	0	0	0	61	5.18
SW	10	47	7	0	0	0	64	5.72
WSW	8	49	8	0	0	0	65	6.04
W	6	19	2	0	0	0	27	4.95
WNW	4	6	2	0	0	0	12	5.48
NW	4	8	1	0	0	0	13	5.20
NNW	3	2	3	0	0	0	8	6.67
Total	97	388	72	4	0	0	561	

Hours of Calm : 3
Hours of Varying Wind Direction : 0
Hours of Missing Data : 17
Hours of Missing Data for All : 89
Hours of No Stability Class : 1
Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 4- 1 00:00 to 1984- 6-30 23:00 Stability Class: F delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	(hour)				
Directi		4- <8	8- <13	13- (19	19- 24	>24	Total	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	1	0	0	0	0	1	6.18
NE	0	0	1	1	0	0	2	12.55
ENE	2	0	0	0	0	0	2	2,95
E	0	3	0	0	0	0	3	5,46
ESE	4	0	0	1	0	0	5	5.82
SE	0	18	2	0	0	0	20	6.41
SSE	3	36	1	0	0	0	40	5.92
S	6	22	0	0	0	0	28	5.33
SSW	5	18	2	0	0	0	25	5.01
SW	9	17	1	0	0	0	27	4.73
WSW	4	12	0	0	0	0	16	4.24
W	6	4	0	0	0	0	10	3.46
WNW	8	4	0	0	0	0	12	3.80
NW	1	3	0	0	0	0	4	4.44
NNW	1	1	0	0	0	0	2	4.56
Total	49	139	7	2	0	0	197	

Hours of Calm Hours of Varying Wind Direction : 0 Hours of Missing Data : 3
Hours of Missing Data for All : 89
Hours of No Stability Class : 1
Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period: 1984- 4- 1 00:00 to 1984- 6-30 23:00

Stability Class: G delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				
Directi	on no.							Mean
	0.75- (4	4- <8	8- <13	13- <19	19- 24)24	Total	Speed
N	0	0	1	0	0	0	1	8.00
NNE	0	0	0	0	0	0	0	0.00
NE.	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	1	0	0	0	0	0	1	2.39
ESE	0	0	0	0	0	0	0	0.00
SE	2	4	0	0	0	0	6	4.96
SSE	2	7	0	0	0	0	9	5.41
S	8	3	• 0	0	0	0	11	3.67
SSW	7	7	0	0	0	0	14	3.95
SW	6	3	1	0	0	0	10	4.25
WSW	10	2	0	0	0	0	12	2.95
W	7	3	0	0	0	0	10	3.79
MNM	8	2	0	0	0	0	10	3.29
NW	3	0	0	0	0	0	3	3.14
NNW	3	2	0	0	0	0	5	3.88
Total	57	33	2	0	0	0	92	the only him this term com

Hours of Calm
Hours of Varying Wind Direction:
Hours of Missing Data : 8
Hours of Missing Data for All : 89
Hours of No Stability Class : 1
Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 4- 1 00:00 to 1984- 6-30 23:00 Stability Class:ALL delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Total	313	1120	489	149	13	1	2085	
พทพ	18	11	15	6	0	0	50	7,31
NW	13	21	6	2	0	0	42	5.96
MNM	26	31	13	3	0	0	73	5.96
W	30	41	35	18	0	0	124	7.45
WSW	29	147	67	20	0	0	263	7.28
SW	32	138	43	5	0	0	218	6.32
SSW	28	122	30	4	0	1	185	6.17
S	31	142	53	8	3	0	237	6.99
SSE	17	154	48	4	0	0	223	6.78
SE	9	65	17	0	0	0	91	6.08
ESE	11	39	13	1	0	0	64	6.26
E	6	37	20	6	0	0	69	7.64
ENE	10	45	43	6	1	0	105	8.04
NE	15	47	34	21	0	0	117	8.59
NNE	21	49	35	28	7	0	140	9.26
N	17	31	17	17	2	0	84	8.51
	0.75- <4	4- <8	8- <13	13- (19	19- 24	>24	Total	Speed
Directio	on .							Mean
Wind		Wind St	need (miles	(hour)				

Hours of Calm : 10 Hours of Varying Wind Direction : 0 Hours of Missing Data for All : 89
Hours of No Stability Class : 1
Total hours of observation : 2184

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 7- 1 00:00 to 1984- 9-30 23:00 Stability Class: A delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind S	peed (miles	/hour)				
Directi	on							Mean
	0.75- (4	4- <8	8- <13	13- (19	19- 24	>24	Total	Speed
N	1	0	1	0	0	0	2	6.44
NNE	0	5	0	0	0	0	2	6.35
NE	0	0	0	0	0	0	0	0.00
ENE	0	1	0	0	0	0	1	7.80
E	0	1	0	0	0	0	1	6.60
ESE	0	0	0	0	0	0	0	0.00
SE	0	5	0	0	0	0	5	6.20
SSE	0	0	0	0	0	0	0	0.00
S	0	4	1	0	0	0	5	7.24
SSW	1	7	2	0	0	0	10	6.29
SW	1	6	0	0	0	0	7	5.91
WSW	0	0	1	0	0	0	1	8.68
W	0	0	0	0	0	0	0	0.00
WNW	0	0	1	0	0	0	1	9.30
NW	0	0	1	0	0	0	1	8.99
NNW	1	0	0	0	0	0	1	3.02
Total	4	26	7	0	0	0	37	ME AND THIS ARE AND AND

Hours of Calm Hours of Varying Wind Direction : 0 Hours of Missing Data for All : 256 Hours of No Stability Class : 3 Total hours of observation : 2208

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period: 1984- 7- 1 00:00 to 1984- 9-30 23:00

Stability Class: B delta T/ delta z Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				
Directio								Mean
	0.75- (4	4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	0	0	1	0	0	0	1	8,16
NNE	1	0	0	1	1	0	3	14.45
NE	0	0	0	0	0	0	0	0.00
ENE	0	1	1	0	0	0	2	7.63
E	0	0	1	0	0	0	1	8.67
ESE	0	2	0	0	0	0	5	5,78
SE	2	0	0	0	0	0	2	3.68
SSE	0	1	0	0	0	0	1	4.39
S	0	4	0	0	0	0	4	6.13
SSW	1	2	2	0	0	0	5	7.01
SW	1	65	0	0	0	0	6	5.89
WSW	0	0	1	0	0	0	1	8.48
W	1	0	0	0	0	0	1	3.44
WNW	1	1	0	0	0	0	2	4.13
NW	0	0	0	0	0	0	0	0.00
NNW	1	0	0	0	0	0	1	3.17
Total	8	16	6	1	1	0	32	

Hours of Calm Hours of Varying Wind Direction : Hours of Missing Data Hours of Missing Data for All : 256 Hours of No Stability Class : 3 Total hours of observation : 2208

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27
Data Period: 1984- 7- 1 00:00 to 1984- 9-30 23:00
Stability Class: C delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				
Directi	on							Mean
	0.75- (4	4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	1	1	0	1	0	0	3	7.47
NNE	1	0	0	1	4	0	6	17.12
NE	0	2	3	0	0	0	5	8.67
ENE	0	5	0	0	0	0	5	6.54
E	2	7	0	0	0	0	9	4.85
ESE	1	0	0	0	0	0	1	3.92
SE	2	3	0	0	0	0	5	5.38
SSE	0	0	1	0	0	0	1	8.33
S	0	1	0	0	0	0	1	5.56
SSW	2	1	0	0	0	0	3	3.58
SW	1	1	0	0	0	0	2	4.03
WSW	1	4	0	0	0	0	5	5.09
W	1	0	0	0	0	0	1	3.86
WNW	2	0	0	0	0	0	2	2,58
NW	0	1	0	0	0	0	1	4.36
NNW	1	1	0	0	0	0	2	4.43
Total	15	27	4	2	4	0	52	me one one one has been

Hours of Calm Hours of Varying Wind Direction : Hours of Missing Data Hours of Missing Data for All : 256
Hours of No Stability Class : 3
Total hours of observation : 2208

Report Date: 1985- 2-27

Data Period : 1984- 7- 1 00:00 to 1984- 9-30 23:00 Stability Class: D delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	need (miles	s/hour)				The same of
Directi	on							Mean
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	A	15	10	7	1	0	37	8.36
NNE	8	13	15	33	4	1	74	11.92
NE	5	24	80	60	6	0	175	11.83
ENE	2	41	65	39	2	0	149	10.50
E	3	36	25	0	0	0	64	7.10
ESE	4	15	11	. 0	0	0	30	6.75
SE	9	18	5	0	0	0	29	5.25
SSE	6	19	6	0	0	0	31	5.87
S	10	20	17	0	0	0	47	6.89
SSW	10	31	28	0	0	0	69	7.12
SW	14	49	19	0	0	0	82	6.25
WSW	11	54	6	0	0	0	71 32	5.57
WNW	10	22 18	1	0	0	0	29	5.11
NW	4	14	3 1	0	0	0	19	5.45
NNW	5	12	7	2	0	0	26	6.84
Total	113	401	295	141	13	1	964	Mile Mark 1990 AND 1990 WHY

Hours of Calm Hours of Varying Wind Direction: 0
Hours of Missing Data : 126 Hours of Missing Data : Hours of Missing Data for All: 256
Hours of No Stability Class: 3
Total hours of observation: 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS Table 8

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 1985- 2-27 Data Period : 1984- 7- 1 00:00 to 1984- 9-30 23:00 Stability Class: E delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind S	peed (miles	s/hour)				
Directi	on							Mean
	0.75- <4	4- (8	8- <13	13- <19	19- 24	>24	Total	Speed
N	15	24	18	3	0	0	60	6.88
NNE	10	24	14	4	0	0	52	7.00
NE	8	10	4	1	0	0	23	5.94
ENE	3	7	4	0	0	0	14	6.67
E	6	8	14	0	0	0	28	7.10
ESE	8	20	1	0	0	0	29	5.18
SE	15	33	2	0	0	0	50	4.85
SSE	12	34	3	0	0	G	49	5.24
S	12	41	6	0	0	0	59	5,45
SSW	13	41	1	0	0	0	55	4.88
SW	26	33	0	0	0	0	59	4.15
WSW	14	41	4	0	0	0	59	4.92
W	1.4	20	1	0	0	0	35	4.97
WNW	13	6	0	0	0	0	19	4.00
NW	4	5	0	0	0	0	9	4.15
NNW	3	8	5	1	0	0	14	6.41
Total	176	355	74	9	0	0	614	

Hours of Calm Hours of Calm : 1
Hours of Varying Wind Direction : 0
Hours of Missing Data : 99 Hours of Missing Data : Hours of Missing Data for All : 256
Hours of No Stability Class : 3
Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS Table 8

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 7- 1 00:00 to 1984- 9-30 23:00 Stability Class: F delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	s/hour)				
Directi		4- (8	8- <13	13- <19	19- 24	>24	Total	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	2	0	0	0	0	2	5.70
NE	0	0	0	0	0	0	0	0.00
ENE	1	0	0	0	0	0	1	3.95
E	2	1	0	0	0	0	3	3.29
ESE	2	0	0	0	0	0	2	2.50
SE	2	11	0	0	0	0	13	4.67
SSE	8	11	0	0	0	0	19	4.61
S	12	13	0	0	0	0	25	4.18
SSW	6	15	0	0	0	0	21	4.44
SW	1.0	23	0	0	0	0	33	4.50
WSW	17	2	0	0	0	0	19	3.05
W	12	0	0	0	0	0	12	2.83
MNM	6	1	0	0	0	0	7	3.35
NW	4	3	0	0	0	0	7	3,91
NNW	0	2	0	0	0	0	2	4.80
Total	82	84	0	0	0	0	166	THE SEC 243 NEW YORK POR

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data : 29
Hours of Missing Data for All : 256
Hours of No Stability Class : 3
Total hours of observation : 2208

Report Date: 1985- 2-27

Data Period : 1984- 7- 1 00:00 to 1984- 9-30 23:00 Stability Class: G delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Total	63	20	0	0	0	0	83	
MNM	0	1	0	0	0	0	1	5.1
NW	0	0	0	0	0	0	0	0.0
WNW	7	0	0	0	0	0	7	2.6
W	7	1	0	0	0	0	8	2.8
WSW	21	0	0	0	0	0	21	2.8
SW	13	1	0	0	0	0	14	3.0
SSW	8	5	0	0	0	0	13	3.6
S	6	4	0	0	0	0	10	3.5
SSE	0	5	0	0	0	0	5	5.6
SE	1	3	0	0	0	0	4	5.1
ESE	0	0	0	0	0	0	0	0,0
E	0	0	0	0	0	0	0	0.0
ENE	0	0	0	0	0	0	0	0.0
NE	0	0	0	0	0	0	0	0.0
NNE	0	0	0	0	0	0	0	0,0
N	0	0	0	0	0	0	0	0.0
	0.75- <4	4- <8	8- <13	13- (19	19- 24	>24	Total	Spee
irectio	n							Me
Wind		Wind Sp	need (miles	(hour)				

Hours of Calm Hours of Varying Wind Direction: 0
Hours of Missing Data : 1 Hours of Missing Data : Hours of Missing Data for All : 256
Hours of No Stability Class : 3
Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS Table 8

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period: 1984-7-1 00:00 to 1984-9-30 23:00

Stability Class:ALL delta T/ delta z Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	s/hour)				Managa
Directi						1 PL 4	1	Mean
	0.75- <4	4- <8	8- (13	13- <19	19- 24	>24	Total	Speed
N	21	40	30	11	1	0	103	7.43
NNE	20	41	29	39	9	1	139	10.19
NE	13	36	87	61	6	0	203	11.09
ENE	6	55	70	39	2	0	172	9.99
E	13	53	40	0	0	0	106	6.81
ESE	15	37	12	0	0	0	64	5.83
SE	31	73	4	0	0	0	108	5.01
SSE	26	70	10	0	0	0	106	5.35
S	40	87	24	0	0	0	151	5.64
SSW	41	103	33	0	0	0	177	5.73
SW	66	119	19	0	0	0	204	5.09
WSW	64	101	12	0	0	0	177	4.78
W	43	43	3	0	0	0	89	4.56
MNM	39	26	2	0	0	0	67	4.31
NW	12	23	2	0	0	0	37	4.91
NNW	11	25	9	3	0	0	48	6.31
Total	461	932	386	153	18	1	1951	

Hours of Calm Hours of Varying Wind Direction : 0 Hours of Missing Data for All : 256 Hours of No Stability Class : 3 Total hours of observation : 2208

Report Date: 1985-2-27 Data Period: 1984-10-1 00:00 to 1984-12-31 23:00

Stability Class: A delta T/ delta z Wind Sensor Height : 10 meter

Wind		Wind Sp	need (miles	s/hour)				
Directi	on							Mean
	0.75- <4	1- (8	8- (13	13- <19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	1	0	0	1	15.61
NE	1	0	1	0	0	0	2	6.63
ENE	0	5	0	0	0	0	5	6.88
E	0	2	0	0	0	0	2	6.70
ESE	0	0	0	0	0	0	0	0.00
SE	0	40.00	0	0	0	0	1	6.48
SSE	0	1	0	0	0	0	1	2.24
S	0	2	0	0	0	- 0	2	5.06
SSW	0	1	0	0	0	0	1	6.86
SW	1	2	0	0	0	0	3	4.39
WSW	0	2	1	0	0	0	3	6.54
W	0	4	0	0	0	0	4	6.51
WNW	0	4	2	0	0	0	6	7.32
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	2	24	4	1	0	0	31	III 110 185 180 180 180

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	15
Hours	of	No Stab	ility	Class	# X	88
Total	hou	urs of o	tserva	ation	1	2208

Report Date: 1985- 2-27 Data Period: 1984-10-1 00:00 to 1984-12-31 23:00

Stability Class: B delta T/ delta z

Wind Sensor Height : 10 meter

Wind		Wind Sp	peed (miles	/hour)				
Directi								Mear
	0.75- (4	4- (8	8- (13	13- (19	19- 24	>24	Total	Speed
N	0	0	1	0	0	0	1	11.78
NNE	0	2	0	1	0	0	- 3	10.67
NE	0	3	1	0	0	0	4	7.24
ENE	0	1	0	0	0	0	1	7.58
E.	0	1	0	0	0	0	1	7.78
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	3	0	0	0	0	3	6.26
S	0	0	2	0	0	0	2	8.13
SSW	0	0	0	0	0	0	0	0.00
SW	1	0	0	0	0	0	1	3.01
WSW	2	2	1	0	0	0	5	5.74
W	1	5	0	0	0	0	6	4.44
MNM	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
MNM	0	0	0	1	0	0	1	17.55
Total	4	17	5	2	0	0	28	NT 1836 1946 1865 1755 185

Hours	of	Calm	; 0
Hours	of	Varying Wind Direct:	ion: 0
Hours	of	Missing Data	: 0
Hours	of	Missing Data for Al	1 : 15
Hours	of.	No Stability Class	: 88
Total	hou	irs of observation	: 2208

Report Date: 1985- 2-27

Data Period: 1984-10-1 00:00 to 1984-12-31 23:00

Stability Class: C delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				
Directi	on							Mear
	0.75- (4	4- (8	8- (13	13- (19	19- 24	>24	Total	Speed
N	0	0	1	2	0	0	3	12.88
NNE	0	1	2	9	0	0	12	14.5
NE	0	0	4	2	0	0	6	11.93
ENE	0	0	0	0	0	0	0	0.0
E	0	1	1	0	0	0	2	7.03
ESE	0	0	0	0	0	0	0	0.0
SE	0	1	0	0	0	0	1	4.6
SSE	0	2	0	0	0	0	5	5.6
S	0	0	1	0	0	. 0	1	8.2
SSW	0	1	0	0	0	0	1	5.1
SW	0	0	0	0	0	0	0	0.0
WSW	0	6	3	0	0	0	9	6.8
W	0	1	0	0	0	0	1	5.3
WNW	0	0	0	0	0	0	0	0.0
NW	1	0	0	1	0	0	2	8.8
NNW	0	1	0	1	0	0	2	10.4
Total	1	14	12	15	0	0	42	

Hours of Calm Hours of Varying Wind Direction : 0 Hours of Missing Data Hours of Missing Data for All : 15 Hours of No Stability Class : 88 Total hours of observation : 2208

Report Date: 1985- 2-27

Data Period : 1984-10- 1 00:00 to 1984-12-31 23:00 Stability Class: D delta T/ delta z

Wind Sensor Heir . : 10 meter Hours at Each Wind Direction and Speed

Wind		Wind S	peed (miles	s/hour)				
Directi	on							Mean
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	3	8	10	3	0	0	24	8.25
NNE	2	15	23	1.4	0	0	54	10.34
NE	3	22	49	58	1	0	133	11.78
ENE	3	23	59	21	0	0	106	10.58
E	3	15	9	0	0	0	27	6.85
ESE	7	10	4	0	0	0	21	5.48
SE	5	13	6	3	0	0	27	6.87
SSE	6	18	16	4	0	0	44	7.83
S	2	12	9	1	0	. 0	24	8.39
SSW	9	17	22	3	0	0	51	7.91
SW	9	28	30	0	0	0	67	7,68
WSW	3	29	26	4	0	0	62	8.03
W	6	13	7	4	3	0	33	8.37
WNW	6	12	3	1	0	0	22	6.04
NW	0	9	16	2	0	0	27	9.61
MNM	4	12	4	2	0	0	22	7.39
Total	71	256	293	120	4	0	744	NOT THE OWN THE PERSON NAMED

Hours of Calm Hours of Varying Wind Direction : Hours of Varying Wind Direction: 0
Hours of Missing Data : 8
Hours of Missing Data for All : 15
Hours of No Stability Class : 88
Total hours of observation : 2208

Report Date: 1985- 2-27

Data Period: 1984-10- 1 00:00 to 1984-12-31 23:00

Stability Class: E delta T/ delta z

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	(hour)				
Directi					ALC: U.S.	Total 2	10000	Mean
	0.75- (4	4- <8	8- (13	13- <19	19- 24	>24	Total	Speed
N	18	- 51	9	0	0	0	78	5.55
NNE	18	21	13	2	0	0	54	6.19
NE	16	14	17	4	0	0	51	7.21
ENE	7	9	10	0	0	0	26	6.47
E.	5	12	0	0	0	0	17	4.79
ESE	1	20	4	0	0	0	25	6.43
SE	12	10	5	1	0	0	28	5.61
SSE	10	19	7	0	0	0	36	5.36
S	9	16	5	1	0	0	31	5.58
SSW	9	38	9	3	0	0	59	6.37
SW	12	34	4	0	0	0	50	5.37
WSW	8	20	5	1	0	0	34	5.83
W	9	11	3	1	0	0	24	5.56
WNW	12	32	1	0	0	0	45	5.15
NW	6	9	1	0	0	0	16	5.29
NNM	22	16	5	0	0	0	43	4.88
Total	174	332	98	13	0	0	617	THE REAL PROPERTY.

Hours of Calm Hours of Varying Wind Direction : 0 5 Hours of Missing Data Hours of Missing Data for All : 15 Hours of No Stability Class : Total hours of observation : 88 2208

Report Date: 1985- 2-27
Data Period: 1984-10- 1 00:00 to 1984-12-31 23:00
Stability Class: F delta T/ delta z

Wind Sensor Height : 10 meter

Total	111	149	6	0	0	0	266	
NNM	6	5	2	0	0	0	13	5.38
NW	5	5	0	0	- 0	0	10	4.01
MNM	3	19	0	0	0	0	22	4.96
W	6	3	0	0	0	0	9	3.60
WSW	6	4	0	0	0	0	10	3.32
SW	10	8	0	0	0	0	18	3.84
SSW	16	35	5	0	0	0	53	4.61
S	10	19	1	0	- 0	0	30	4.86
SSE	15	10	0	0	0	0	25	4,05
SE	9	16	0	0	0	0	25	4.86
ESE	5	7	1	0	0	0	13	5.04
E	2	4	0	0	0	0	6	4.54
ENE	4	1	0	0	0	0	5	2.61
NE	4	2	0	0	0	0	6	3.01
NNE	3	9	0	0	0	0	12	4.70
N	7	2	0	0	0	0	9	3.26
	0.75- (4	4- (8	8- (13	13- (19	19- 24	>24	Total	Speed
Directio					10 01	100	7-1-1	Mean
Wind		WILLIA CH	need (miles	7110077				M

Hours	of	Calm		1	5
Hours	of	Varying Wind Dia	rection	1	0
Hours	of	Missing Data		1	0
Hours	of	Missing Data for	All	1	15
Hours	of	No Stability Cla	955	1	88
Total	hor	rs of observati	on	1	2208

Report Date: 1985- 2-27

Data Period: 1984-10- 1 00:00 to 1984-12-31 23:00

Stability Class: G delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	s/hour)				
Directi	on							Mean
	0.75- <4	4- <8	8- <13	13- < 19	19- 24	>24	Total	Speed
N	5	0	0	0	0	0	2	2.21
NNE	8	0	0	0	0	0	8	2.02
NE	0	0	0	0	0	0	0	0.00
ENE	3	0	0	0	0	0	3	2.72
E	3	1	0	0	0	0	4	3.35
ESE	2	0	0	0	0	0	2	2.52
SE	11	4	1	0	0	0	16	3.80
SSE	16	20	0	0	0	0	36	4.31
S	22	18	0	0	0	0	40	3.67
SSW	26	8	0	0	0	0	34	3,40
SW	32	2	0	0	0	0	34	2,73
พรพ	53	3	0	0	0	0	56	2.96
W	40	14	0	0	0	0	54	3.50
WNW	20	8	0	0	0	0	28	3.37
NW	6	4	0	0	0	0	10	3.41
NNW	1	0	0	0	0	0	1	2.04
Total	245	82	1	0	0	0	328	NAT MEN SOME JAMES STORY AND

Hours of Calm 36 Hours of Varying Wind Direction : Hours of Missing Data : Hours of Missing Data for All : 15 Hours of No Stability Class : 88 Hours of No Stability Class : 88 Total hours of observation : 2208

Report Date: 1985- 2-27
Data Period: 1984-10-1 00:00 to 1984-12-31 23:00

Stability Class:ALL delta T/ delta z

Wind Sensor Height: 10 meter

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	s/hour)				
Directi	on							Mear
	0.75- (4	4- <8	8- <13	13- (19	19- 24	>24	Total	Speed
N	30	62	21	5	0	0	118	6.10
NNE	31	49	39	27	0	0	146	8.2
NE.	24	42	72	77	2	0	217	10.67
ENE	18	39	70	22	1	0	150	9.30
E	13	36	10	0	0	0	59	5.80
ESE	15	37	9	0	0	0	61	5.6
SE	40	49	13	4	0	0	106	5.4
SSE	48	77	24	4	0	0	153	5.6
9	46	71	20	2	0	0	139	5.4
SSW	65	100	37	12	0	0	214	6.0
SW	69	75	39	0	0	0	183	5.6
WSW	75	68	38	5	0	0	186	5.6
W	63	51	10	5	3	0	132	5.2
WNW	42	76	6	1	0	0	125	4.9
NW	18	27	17	3	0	0	65	6.7
иии	34	38	13	4	0	0	89	5.9
Total	631	897	438	171	6	0	2143	name tight area that every of

Hours of Calm 50 0 Hours of Varying Wind Direction : Hours of Missing Data for All : 15 Hours of No Stability Class : 88 Total hours of observation : 2208

Report Date: 1985- 2-27

Data Period : 1984- 1- 1 00:00 to 1984- 3-31 23:00 Stability Class: A delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind		Wind Sp	eed (miles	s/hour)				
Directi	on							Mean
	0.75- <4	4- <8	8- <13	13- (19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0,00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	THE ALL PARTY STATE COSTS TITLE

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		100	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stab	ility	Class	1	0
Total	ho	urs of ol	serva	ation	1	67

Report Date: 1985- 2-27
Data Period: 1984- 1- 1 00:00 to 1984- 3-31 23:00
Stability Class: B delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind Directi	on	Wind Sp	eed (miles	s/hour)				Mean
		4- <8	8- (13	13- (19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours	of	Calm			1	0
Hours	0+	Varyin	g Wind	Direction	1	0
Hours	o f	Missin	g Data		1	0
Hours	of	Missin	g Data	for All	1	0
Hours	of	No Sta	bility	Class	1	0
Total	hou	urs of	observa	ation	1	67

Report Date: 1985- 2-27

Data Period: 1984- 1- 1 00:00 to 1984- 3-31 23:00
Stability Class: C delta T/ delta z
Wind Sensor Height: 10 meter +++ Batch Release Times Only +++ Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	s/hour)				
Directi								Mean
	0.75- (4	4- (8	8- (13	13- (19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E.	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0,00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0,00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
MNM	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	NO PARK CITY COME MADE COM

Hours	of	Calm			4	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stab	ility	Class	1	0
Total	hou	urs of o	bserva	ation	1	67

Report Date: 1985- 2-27

Data Period: 1984- 1- 1 00:00 to 1984- 3-31 23:00

Stability Class: D delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Directio			eed (miles		19 24	>24	Total	Mear
	0 1 7 0 - 7 -4	7 (0		A CAP CONTRACTOR SHEET SHEET SHEET	10 F Co "T	7 for "T	10101	Specu
N	0	0	0	0	0	0	0	0.00
NNE	0	1	0	0	0	0	1	4.88
NE	0	2	0	0	0	0	2	7.14
ENE	0	1	0	0	0	0	1	4.80
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	1	0	0	0	0	1	5.48
SSE	0	0	7	0	0	0	7	10.91
S	0	1	3	1	0	0	5	10.59
SSW	0	3	0	0	0	0	3	6.99
SW	1	1	1	0	0	0	3	6.88
WSW	1	1	0	0	0	0	2	4.51
W	0	1	2	1	0	0	4	10.31
MNM	2	0	1000	0	0	0	3	5.69
NW	0.	0	0	0	0	0	0	0.00
иии	0	0	0	0	0	0	0	0.00
Total	4	12	14	2	0	0	32	and this area core and me

Hours	of	Calm	1.0	0
Hours	of	Varying Wind Directio	n :	. 0
Hours	of	Missing Data	1	0
Hours	of	Missing Data for All	1	0
Hours	of	No Stability Class		0
Total	hou	urs of observation		67

Report Date: 1985- 2-27

Data Period : 1984- 1- 1 00:00 to 1984- 3-31 23:00 Stability Class: E delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++ Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	s/hour)				
Directi	on							Mean
		4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	0	3	0	0	0	0	3	5.76
NNE	0	1	0	0	0	0	1	7.46
NE	0	2	0	0	0	0	2	6.51
ENE	1	4	0	0	0	0	5	5.71
E	0	5	0	0	0	0	5	5.89
ESE	0	0	0	0	0	0	0	0.00
SE	0	0 1	0	0	0 0	0	1	7.26
SSE	0	2	1	0	0	0	3	7,48
S	0	1	0	0	0	0	1	5.18
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	2	0	0	0	2	9.18
W	0	3	2	0	0	0	5	7.20
พทพ	0	2	1	0	0	0	3	6.87
NW	1	0	0	0	0	0	1	3,53
MNM	0	0	0	0	0	0	0	0.00
Total	2	24	6	0	0	0	32	THE MAIN CASE STATE STATE STATE

Hours	of	Calm		1	0
Hours	of	Varying Wind	Direction	1	0
Hours	of	Missing Data		1	0
Hours	of	Missing Data	for All	1	0
Hours	of.	No Stability	Class	1	0
Total	hou	irs of observa	tion	1	67

Wind		Wind S	peed (miles	s/hour)				
Directi	on							Mean
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	2	0	0	0	0	2	6.68
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	C	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0,00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	2	0	0	0	0	2	THE SELECTION AND SELECTION

Hours	of	Calm	0
Hours	of	Varying Wind Direction :	0
Hours	of	Missing Data :	0
Hours	of	Missing Data for All	0
Hours	of	No Stability Class :	0
Total	ho	urs of observation :	67

Report Date: 1985- 2-27

Data Period: 1984- 1- 1 00:00 to 1984- 3-31 23:00

Stability Class: G delta T/ delta z

Wind Sensor Height : 10 meter +++ Batch Release Times Only +++ Hours at Each Wind Direction and Speed

Wind		Wind S	need (miles	/hour)				I, iii
Directi								Mean
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	1	0	0	0	0	1	6.75
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0,00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0,00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
MMM	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	1	0	0	0	0	1	

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stabi	ility	Class	1	0
Total	hor	urs of ot	serva	ation		67

Report Date: 1985- 2-27

Data Period : 1984- 1- 1 00:00 to 1984- 3-31 23:00 Stability Class:ALL delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Hours at Each Wind Direction and Speed

N	0.75- <4	7	8- <13	0	19- 24	>24	3	Speed 5.76
NNE	0	2	0	0	0	0	2	6.17
NE ENE	0	4	0	0	0	0	7	6.82
E ESE	0	7	0	0	0	0	7	6.11
SE	0	2	0	0	0	0	10	6.37
SSE	0	2	3	1	0	0	6	9.69
SSW SW	1	1	1	0	0	0	3	6.99
WSW W	0	1 4	4	0	0	0	9	8.58
MMM	2	5	5	0	0	0	6	6.28
NNW	0	0	0	0	0	0	0	0,00
Total	6	39	20	2	0	0	67	

Hours of Calm Hours of Varying Wind Direction : Hours of Missing Data for All : 0
Hours of No Stability Class : 0
Total hours of observation : 67

Report Date: 1985- 2-27

Data Period: 1984- 4- 1 00:00 to 1984- 6-30 23:00

Stability Class: A delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

SSW	0	0 0 0 0 0 0 0 0	0 0 0	0	0	0 0 0 0	0 0 0	0.00
SSE	0 0			0				0.00
SE				0	0			0.00
E ESE	0	0	0	0	0	0	0	0.00
NE ENE	0	0	0	0	0	0	0	0.00
NNE	0 0	0	0	0	0	0	0	0.00
Wind Directi			8- <13	13- <19	19- 24	>24	Total	Speed

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stabi	lity	Class	1	0
Total	hou	irs of ob	serva	ation	1	33

Report Date: 1985- 2-27

Data Period: 1984- 4- 1 00:00 to 1984- 6-30 23:00

Stability Class: B delta T/ delta z
Wind Sensor Height: 10 meter +++ Batch Release Times Only +++
Hours at Each Wind Direction and Speed

Total	0	0	0	0	0	0	0	
иим	0	0	0	0	0	0	0	0.00
NM	0	0	0	0	0	0	0	0.00
MNM	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
E.	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
N	0	0	0	0	0	0	0	0.00
	0.75- <4	4- (8	8- <13	1.5- (17	19- 24	>24	Total	Speed
Directio			0 /17	47 /40	10 04	104	T - + - 1	Mean
Wind			peed (miles					Mann

Hours	o f	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	o f	No Stab	ility	Class	1	0
Total	hos	urs of ot	serva	ation	1	33

Report Date : 1985- 2-27
Data Period : 1984- 4- 1 00:00 to 1984- 6-30 23:00
Stability Class: C delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++ Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				
Directi	on							Mean
	0.75- <4	4- (8	8- <13	13- (19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	C	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
Ш	0	0	0	0	0	0	0	0.00
MNM	0	0 -	0	n	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
иии	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	No. 1680 2082 2183 5830 5850

Hours	of	Ca.	l.M			1	0
Hours	of	Var	ying	Wind	Direction	1	0
Hours	of	Mis	ssing	Data		1	0
Hours	of	Mis	sing	Data	for All	1	0
Hours	of	No	Stab:	ility	Class	1	0
Total	hou	irs	of ot	serva	tion	1	33

Report Date: 1985- 2-27

Data Period: 1984- 4- 1 00:00 to 1984- 6-30 23:00

Stability Class: D delta T/ delta z Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind		Wind Sp	eed (miles	/hour)				
Directi								Mean
	0.75- <4	4- <8	8- (13	13- <19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	1	0	2	0	0	0	3	7.35
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	1	1	1	0	0	3	10.69
S	0	0	2	0	0	0	2	10.30
SSW	0	1	1	0	0	0	2	7.78
SW	0	1	0	0	0	0	1	7.59
WSW	0	4	0	0	0	0	4	5.88
W	0	2	0	0	0	0	2	6.69
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNM	0	0	0	0	0	0	0	0.00
Total	1	9	6	1	0	0	17	

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		4	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stabi	lity	Class	10.0	0
Total	hai	ure of ob	SEFU	ation	10.	7.7

Report Date: 1985- 2-27
Data Period: 1984- 4- 1 00:00 to 1984- 6-30 23:00
Stability Class: E delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Total	- 41	2	7	4	0	0	0	13	
NNM		0	0	0	0	0	0	0	0.00
NW		0	0	0	0	0	0	0	0.00
MNM		0	0	0	0	0	0	0	0.00
W		0	0	0	0	0	0	0	0.00
WSW		0	1	0	0	0	0	1	4.87
SW		0	0	0	0	0	0	0	0.00
SSW		0	0	0	0	0	0	0	0.00
S		0	1	3	0	0	0	4	8.70
SSE		0	1	0	0	0	0	1	7.00
SE		1	.3	0	0	0	0	4	4.64
ESE		1	1	0	0	0	0	5	4.90
E		0	0	0	0	0	0	0	0.00
ENE		0	0	0	0	0	0	0	0.00
NE		0	0	0	0	0	0	0	0.00
NNE		0	0	1	0	0	0	1	11.90
N		0	0	0	0	0	0	0	0.00
	W 1 1				W CO	No. one was not the sale.		10101	sa pr sa sa sa
Directi		75 / A	1- /0	0- /17	13- (19	19- 24	124	Total	
Directi	. 17		water orpo						Mear
Wind			Wind Sn	eed (miles	(hour)				

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stab:	ility	Class	1	0
Total	hou	urs of ot	serva	ation	1	33

Wind		Wind Sp	need (miles	/hour)				
Directi	on							Mean
	0.75- <4	4- <8	8- (13	13- (19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	3	0	0	0	0	3	5.60
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0,00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
MNM	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	3	0	0	0	0	3	

Hours	of	Calm			0
Hours	of.	Varying	Wind	Direction	1 0
Hours	of	Missing	Data		0
Hours	of	Missing	Data	for All	: 0
Hours	o f	No Stab	ility	Class	. 0
Total	hai	urs of ol	SOPUA	ntion	33

Report Date: 1985- 2-27

Data Period: 1984- 4- 1 00:00 to 1984- 6-30 23:00

Stability Class: G delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind		Wind Sp	eed (miles	/hour)				
Directi	on							Mean
	0.75- (4	4- <8	8- (13	13- (19	19- 24	>24	Total	Speed
	Mar will old the con the san	and that the time had been the one	AND THE PER THE SEC TO SEC THE SEC.	true tital anni com mer sero mer sero	Mic Sale Com Con 1979 Mar.	60 19 44 14 10		0.00
N	0	0	0	U	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE.	0	0	0	0	0	0	0	0,00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0,00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	NA 1605 KNA 1607 AFAR AND

Hours	of	Calm		1	. 0
Hours	of'	Varying	Wind Direction	1	. 0
Hours	of	Missing	Data	1	0
Hours	of	Missing	Data for All	1	0
Hours	of	No Stab	ility Class	1	0
Total	ho	urs of ol	bservation	1	33

Report Date: 1985- 2-27

Data Period : 1984- 4- 1 00:00 to 1984- 6-30 23:00 Stability Class:ALL delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				
Directi								Mean
	0.75- <4	4- (8	8- (13	13- <19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	1	0	3	0	0	0	4	8.49
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	1	1	0	0	0	0	2	4.90
SE	1	6	0	0	0	0	7	5.06
SSE	0	2	1	1	0	0	4	9.77
S	0	1	5	0	0	0	6	9.24
SSW	0	1	1	0	0	0	2	7.78
SW	0	1	0	0	0	0	1	7.59
WSW	0	5	0	0	0	0	5	5.67
W	0	2	0	0	0	0	2	6.69
MNM	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNM	0	0	0	0	0	0	0	0.00
Total	3	19	10	1	0	0	33	

Hours of Calm Hours of Varying Wind Direction : Hours of Missing Data for All : Hours of No Stability Class : Total hours of observation : 33

Report Date: 1985- 2-27

Data Period: 1984- 7- 1 00:00 to 1984- 9-30 23:00
Stability Class: A delta T/ delta z
Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind		Wind Sp	need (miles	s/hour)				Manage
Directi						1.00		Mean
	0.75- (4	4- <8	8- <13	13- (19	19- 24	>24	Total	Speed
N	9	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E.	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	C	0	0.00
MNM	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data			0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stab:	ility	Class	1	0
Total	hat	ers of ot	serva	ation	1	43

Wind		Wind Sp	peed (miles	s/hour)				
Directi	on							Mean
	0.75- <4	4- (8	8- <13	13- (19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	. 0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	- 0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
พทพ	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	MAX ARRY TRAIN THEIR MAKE AND

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stab	ility	Class	1	0
Total	hor	urs of o	bserva	ation	1	43

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS Table 9

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period : 1984- 7- 1 00:00 to 1984- 9-30 23:00
Stability Class: C delta T/ delta z
Wind Sensor Height : 10 meter +++ Batch Release Times Only +++ Hours at Each Wind Direction and Speed

Wind		Wind S	peed (miles	s/hour)				Mean
Directi		4- <8	8- <13	13- (19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0,00
W	0	0	0	0	0	0	0	0.00
MNM	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNM	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	ME NO. 40. 40. 40. 10.

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stabi	lity	Class	1	0
Total	hor	urs of ot	serva	ation		43

Total	1	10	13	0	0	0	24	
NNM	0	0	0	0	0	0	0	0.00
NM	0	0	0	0	0	0	0	0.00
MNM	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WSW	0	1	0	0	0	0	1	7.98
SW	0	6	4	0	0	0	10	7.35
SSW	0	3	5	0	0	0	8	8.19
S	0	0	2	0	0	0	5	10.70
SSE	0	0	2	0	0	0	5	10.60
SE	1	0	0	0	0	0	1	2.33
ESE	0	0	0	0	0	0	0	0,00
E	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0,00
N	0	0	0	0	0	0	0	0.00
	0.75- (4	4- (8	8- <13	13- (19	19- 24	>24	Total	Speed
Directio								Mear
Wind		Wind Sp	need (miles	s/hour)				

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1.	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stab:	ility	Class		0
Total	hou	urs of ot	serva	ation	1	43

Report Date: 1985- 2-27

Data Period: 1984- 7- 1 00:00 to 1984- 9-30 23:00
Stability Class: E delta T/ delta z
Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

SW WSW	0	1	0	0	0	0	1	5.65
S	1	3	1	0	0	0	5	5.95
SE SSE	0	0	0	0	0	0	1	7.65
ESE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
NNE NE	0	0	0	0	0	0	0	0.00
N	0	0	0	0	0	0	0	0.00
Directi		4- <8	8- <13	13- (19	19- 24	>24	Total	Speed

Hours	of	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stabi	ility	Class	1	0
Total	hor	urs of ot	serva	ation	1	43

Wind		Wind S	need (miles	/hour)				
Directi	on							Mean
	0.75- (4	4- (8	8- <13	13- <19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	- 0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	1	0	0	0	0	0	1	2.31
SSW	0	0	0	0	0	0	0	0.00
SW	2	0	0	0	0	0	2	2.97
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
MNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	3	0	0	0	0	0	3	

Hours	o f	Calm			1	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	0
Hours	of	No Stab	ility	Class	1	0
Total	hos	urs of ot	bserv	ation	1	43

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS Table 9

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date: 1985- 2-27

Data Period: 1984- 7- 1 00:00 to 1984- 9-30 23:00
Stability Class: G delta T/ delta z
Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Total		(1) MI (1) MI (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	on man and man over mile and man and over the	AND THE REP COST WAS CORN THE THE THE THE	O		0 may may may may day at a	DE ONE NOT NOT THE REAL
NNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
N	0	0	0	0	0	0	0	0.00
	0.75- (4	4- (8	8- (13	13- < 19	19- 24	>24	Total	Speed
Directio					Page 1		Marie Laboratoria	Mean
Wind		Wind Sp	peed (miles	(hour)				

Hours	of	Calm			1 0
Hours	of	Varying	Wind	Direction	: 0
Hours	of	Missing	Data		: 0
Hours	of	Missing	Data	for All	: 0
Hours	of	No Stab	ility	Class	: 0
Total	hos	urs of o	bserva	ation	: 43

Report Date: 1985- 2-27

Data Period: 1984- 7- 1 00:00 to 1984- 9-30 23:00

Stability Class:ALL delta T/ delta Z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind		Wind Sp	eed (miles	s/hour)				
Directi								Mean
	0.75- <4	4- <8	8- (13	13- (19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0,00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0,00
E.	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	1	0	0	0	0	0	1	2,33
SSE	0	1	5	0	0	0	3	9.62
S	2	3	3	0	0	0	8	6.69
SSW	0	12	5	0	0	0	17	6.67
SW	2	7	4	0	0	0	1.3	6.54
WSW	0	1	0	0	0	0	1	7.98
W	0	0	0	0	0	0	0	0.00
MNM	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	5	24	14	0	0	0	43	

Hours	of	Calm	1	0
Hours	of	Varying Wind Directio	n i	0
Hours	of	Missing Data for All	1	0
Hours	of	No Stability Class	1.1	0
Total	ha	urs of observation	1	43

Report Date: 1985- 2-27 Data Period: 1984-10-1 00:00 to 1984-12-31 23:00

Stability Class: A delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++ Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				
Directi								Mean
	0.75- <4	4- (8	8- <13	13- (19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
(d)	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
MNM	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours	of	Calm			16.0	0
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	1
Hours	of	No Stab	ility	Class	1	0
Total	ho	urs of o	bserva	ation	1	184

Report Date: 1985- 2-27

Data Period: 1984-10-1 00:00 to 1984-12-31 23:00

Stability Class: B delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind		Wind Sp	need (miles	s/hour)				
Directi	on							Mea
	0.75- <4	4- <9	8- <13	13- (19	19- 24	>24	Total	Spee
N	0	0	0	0	0	0	0	0.0
NNE	0	0	0	0	0	0	0	0.0
NE	0	0	0	0	0	0	0	0.0
ENE	0	0	0	0	0	0	0	0.0
E	0	0	0	0	0	0	0	0.0
ESE	0	0	0	0	0	0	0	0.0
SE	0	0	0	0	0	0	0	0.0
SSE	0	1	0	0	0	0	1	5.7
S	0	0	0	0	0	0	0	0.0
SSW	0	0	0	0	0	0	0	0.0
SW	0	0	0	0	0	0	0	0.0
WSW	0	0	0	ű.	0	0	ő	0.0
W	0	0	0	0	0	0	0	0.0
WNW	0	0	Ď.	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
Total	0	1	0	0	0	0	1	THE REAL PROPERTY.

Hours	of	Calm		1	0
Hours	of	Varying	Wind Direction	1	0
Hours	of	Missing	Data	1	0
Hours	of	Missing	Data for All	1	1
Hours	of	No Stab	ility Class	1	0
Total	ho	urs of ol	bservation	3	184

Report Date: 1985- 2-27

Data Period: 1984-10- 1 00:00 to 1984-12-31 23:00

Stability Class: C delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind		Wind S	peed (mi)es	s/hour)				+ -
Directi								Mean
	0.75- (4	4- (8	8- <13	13- < 19	19 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
MNM	0	- 0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
иим	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	TO BE SEE STR. 100 10

Hours	of	Calm	1	0
Hours	of	Varying Wind Dir	ection :	0
Hours	of	Missing Data	1	0
Hours	of	Missing Data for	A11 :	1
Hours	of	No Stability Cla	55 :	0
Total	hor	rs of observation	0 1	184

Report Date : 1985- 2-27

Data Period: 1984-10-1 00:00 to 1984-12-31 23:00

Stability Class: D delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++ Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	/hour)				
Directi	on							Mean
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Speed
N	0	0	1	C	0	0	1	8.24
NNE	0	1	5	1	0	0	7	11.46
NE	0	1	9	4	0	0	14	11.78
ENE	0	2	3	4	0	0	9	11.47
Ε	0	0	0	0	0	0	0	0.00
ESE	1	1	0	0	0	0	2	4.05
SE	0	3	0	0	0	0	3	4.56
SSE	0	2	0	0	0	0	2	5.71
S	0	0	0	0	0	0	0	0.00
SSW	0	2	3	0	0	0	5	8.33
SW	0	3	4	0	0	0	7	8.11
WSW	1	4	0	0	0	0	5	4.62
W	1	4	0	0	0	0	5	4.62
MNM	1	2	0	0	0	0	3	5.37
NW	0	0	3	0	0	0	3	9.22
MMM	1	4	0	0	0	0	5	6.00
Total	5	29	28	9	0	0	71	NYS AND DESCRIPTION OF THE PERSON OF THE PER

Hours of Calm Hours of Varying Wind Direction : Hours of Missing Data Hours of Missing Data for All : 1 Hours of No Stability Class : 0 Total hours of observation : 184

Report Date: 1985- 2-27

Data Period: 1984-10- 1 00:00 to 1984-12-31 23:00

Stability Class: E delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Hours at Each Wind Direction and Speed

Wind		Wind Sp	eed (miles	s/hour)				
Directi	on							Mean
	0.75- (4	4- <8	8- (13	13- <19	19- 24	>24	Total	Speed
N	2	8	0	0	0	0	10	5.09
NNE	0	1	3	0	0	0	4	9.94
NE	0	1	3	0	0	0	4	9.03
ENE	0	1	6	0	0	0	7	9.43
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	2	0	0	0	0	2	4.83
SSE	1	0	0	- 0	0	0	1	3.63
S	1	0	0	0	0	0	1	2.22
SSW	0	2	0	0	0	0	2	4.44
SW	2	0	0	0	0	0	2	3.64
WSW	1	2	0	0	0	0	3	4.45
Ы	2	1	0	0	0	0	3	3.88
WNW	0	2	0	0	0	0	2	5.45
NW	0	0	0	0	. 0	0	0	0.00
NNW	2	1	0	0	0	0	3	3.66
Total	11	21	12	0	0	0	44	

Hours of Calm Hours of Varying Wind Direction : Hours of Missing Data 1 Hours of Missing Data for All : 1 Hours of No Stability Class : 0 Total hours of observation : 184

Report Date: 1985- 2-27

Data Period: 1984-10- 1 00:00 to 1984-12-31 23:00

Stability Class: F delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind		Wind Sp	eed (miles	s/hour)				
Directi	on							Mean
	0.75- <4	4- (8	8- <13	13- <19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0,00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	1	0	0	0	0	1	5.81
SE	1	0	0	0	0	0	1	2.7
SSE	0	0	0	0	0	0	0	0.00
S	0	2	0	0	0	0	2	5.2
SSW	3	11	0	0	0	0	14	4.68
SW	3	1	0	0	0	0	4	3.4
WSW	0	0	0	0	0	6	0	0,00
W	0	0	0	0	0	0	0	0.0
MNW	0	1	0	0	0	0	1	4.65
NW	0	0	0	0	0	0	0	0.0
мим	0	0	0	0	0	0	0	0.00
Total	7	16	0	0	0	0	23	*** *** *** *** *

Hours	of	Calm			1	0
Hours	of	Varying	g Wind	Direction	1	0
Hours	of	Missin	g Data		1	0
Hours	of	Missin	g Data	for All	1	1
Hours	of	No Stal	bility	Class	;	0
Total	her	urs of	observa	ation	1	184

Report Date: 1985- 2-27
Data Period: 1984-10- 1 00:00 to 1984-12-31 23:00

Stability Class: G delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Wind		Wind Sp	need (miles	s/hour)				
Directi								Mean
	0.75- <4	4- (8	8- <13	13- <19	19- 24	>24	Total	Speed
N	0	0	0	0	0	0	0	0.00
NNE	G	0	0	0	0	0	0	0,00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	6	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	5	1	1.	0	0	0	7	4.24
SSE	5	1	0	0	0	0	6	3.47
S	5	1	0	0	0	0	6	3.27
SSW	8	3	0	0	0	J	11	3.62
SW	5	1	0	0	0	0	6	3.15
WSW	2	0	0	0	0	0	2	3.54
W	4	0	0	0	0	0	4	3,49
MNM	1	0	0	0	0	0	1	3.37
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	35	7	1	0	0	0	43	

Hours	of	Calm			1	1
Hours	of	Varying	Wind	Direction	1	0
Hours	of	Missing	Data		1	0
Hours	of	Missing	Data	for All	1	1
Hours	of	No Stabi	lity	Class	1	0
Total	ho	urs of ot	serva	ation	4	184

Report Date: 1985- 2-27

Data Period: 1984-10-1 00:00 to 1984-12-31 23:00

Stability Class:ALL delta T/ delta z

Wind Sensor Height: 10 meter +++ Batch Release Times Only +++

Hours at Each Wind Direction and Speed

Wind		Wind Speed (miles/hour)						
Directi	on							Mean
	0.75- <4	4- <8	8- <13	13- (19	19- 24	>24	Total	Speed
N	2	8	1	0	0	0	11	5.38
NNE	0	2	8	1	0	0	11	10.90
NE	0	2	12	4	0	0	18	11.17
ENE	0	3	9	4	0	0	16	10.58
E	0	0	- 0	0	0	0	0	0.00
ESE	1	5	0	0	0	0	3	4.63
SE	6	6	1	0	0	0	13	4.29
SSE	6	4	0	0	0	0	10	4.16
S	6	3	0	0	0	0	9	3.59
SSW	11	18	3	0	0	0	32	4.87
SW	10	65	4	0	0	0	19	5.09
WSW	4	5	0	0	0	0	10	4.36
W	7	5	0	0	0	0	12	4.06
WNW	2	5	0	0	0	0	7	5.01
NW	0	0	3	0	0	0	3	9.22
NNW	3	5	0	0	0	0	8	5.12
Total	58	74	41	9	0	0	182	

Hours of Calm Hours of Varying Wind Direction : 0 Hours of Missing Data for All : Hours of No Stability Class : Total hours of observation :