



Thomas D. Gatlin
General Manager, Nuclear Plant Operations
803.345.4342

April 28, 2006

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Sir/Madam:

Subject: VIRGIL C. SUMMER NUCLEAR STATION
DOCKET NO. 50-395
OPERATING LICENSE NO. NPF-12
ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

Enclosed is the South Carolina Electric & Gas Company (SCE&G) Annual Effluent and Waste Disposal Report as required by 10CFR50.36a, Sections 6.9.1.8 and 6.14.2 of the Virgil C. Summer Nuclear Station Technical Specifications, and Section 1.6.2 of the Offsite Dose Calculation Manual (ODCM). This submittal covers the period of January 1 through December 31, 2005.

Should there be any questions, please contact us at your convenience.

Very truly yours,

Thomas D. Gatlin

SBR/TDG/dr
Enclosure

c: N. O. Lorick
S. A. Byrne
N. S. Carns
J. H. Hamilton (w/o enclosure)
R. J. White (w/o enclosure)
W. D. Travers
R. E. Martin
W. G. Wendland
K. M. Sutton

NRC Resident Inspector
T. P. O'Kelley (SCDHEC)
M. Coleman
J. A. Orr
NSRC
RTS (L-99-0113)
File (818.02-1, RR 8350)
DMS (RC-06-0083)

IE48
A009

VIRGIL C. SUMMER
JENKINSVILLE, SOUTH CAROLINA

**ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT
VIRGIL C. SUMMER NUCLEAR STATION**

**FOR THE OPERATING PERIOD
JANUARY 1, 2005 - DECEMBER 31, 2005**

APRIL 2006



Prepared by:

A handwritten signature in black ink, appearing to read "Mike Roberts".

Mike Roberts, Health Physicist

Reviewed by:

A handwritten signature in black ink, appearing to read "Moses Coleman".

Moses Coleman, Health Physicist

Approved by:

A handwritten signature in black ink, appearing to read "Paul Mothena".

Paul Mothena, Manager
Health Physics Services

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY – DECEMBER, 2005

VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS

This report is being submitted as a summary of 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 6.14.2 of Technical Specifications, Section 1.6.2 of the Offsite Dose Calculation Manual (ODCM), 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 through 5 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 6. There were no abnormal releases for the period. A summary of the meteorological data for 2005 is presented in Section G and Tables 7 and 8. There were no changes made to the Offsite Dose Calculation Manual (ODCM) during the 12-month period. Section I gives a summary of oil incineration during the year.

A. Supplemental Information

Regulatory limits for doses, dose rate and effluent concentration limits presented in Supplemental Information are from the Virgil C. Summer Nuclear Station ODCM and 40 CFR 190. Average energy ($\bar{E}$) 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 1 and 2. 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.

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY – DECEMBER, 2005

VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS

C. Liquid Effluents

Liquid effluents are summarized in Tables 3 and 4. Estimated total errors are expressed as in Section B above.

D. Solid Waste Shipments

Solid waste shipments are summarized in Table 5. Curie content of radioactive waste packages is determined by dose rates and/or gamma spectroscopy analysis of samples. The total error for each type of Curie content determination is conservatively estimated 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 effluents and meteorological data in accordance with the Offsite Dose Calculation Manual. The source term involved no waste gas decay tank (WGDT) releases, 5.2 days of 6-inch Reactor Building purge releases, 29.0 days of 36-inch Reactor Building purge releases and a continuous 12-month Main Plant vent release. Oil incineration was run for 27.3 hours in 2005. Doses are summarized in Table 6. The total activities released are presented in Tables 1 and 2. The highest quarterly air doses to the maximum exposed individual due to noble gases were $7.74\text{E-}03$ mrad for gamma and $2.25\text{E-}2$ mrad for beta during the second quarter. The maximum quarterly organ dose attributed to the releases was $3.56\text{E-}02$ mrem for the second quarter. Cumulative annual dose was $8.00\text{E-}03$ mrad, $2.32\text{E-}2$ mrad and $3.56\text{E-}02$ 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 223 Waste Monitor Tank batch releases, 26 Condensate Backwash Receiver Tank batch releases, 1 NaOH batch release, 26.7 days of Steam Generator Blowdown release and a continuous Turbine Building Sump release.

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY – DECEMBER, 2005

VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS

Doses are summarized in Table 6 and total radioactivity released is described in Tables 1 and 3. The highest quarterly total body dose to the maximally exposed individual due to the release of radioactive liquid was $1.89\text{E-}3$ mrem during the second quarter. The highest organ dose was $3.06\text{E-}3$ mrem to the GI-LLI for the second quarter. Cumulative annual doses for the hypothetical maximally exposed individual were $4.20\text{E-}3$ mrem for the total body and $4.76\text{E-}3$ mrem for the GI-LLI, the maximum annual organ. The LIVER was the maximum exposed organ for the first and fourth quarters and the GI-LLI was the maximum exposed organ for the second and third quarters.

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

Radiation doses from radioactive effluents to members of the public due to their activities inside the site boundary were assessed using liquid and gaseous effluents along with meteorological data. Quarterly thermoluminescent dosimetry data from four (4) monitoring locations within the site boundary and eight (8) locations around the site boundary perimeter were analyzed and compared with respective pre-operational background and previous year history. Results showed that the 2005 quarterly dose rates did not differ significantly from the pre-operational or 2004 dose rates. It was concluded that doses to members of the public inside the site boundary were indistinguishable from normal background dose.

Radiation doses from radioactive effluents to workers at the Fairfield Hydro Station for the 12-month period were calculated to be $3.76\text{E-}4$ and $1.09\text{E-}3$ mrad for gamma and beta, respectively.

Radiation doses from nearby uranium fuel cycle sources were not assessed. The ODCM, Sections 1.3.1 and B/1.3 establish 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.

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY – DECEMBER, 2005

VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS

F. Abnormal Releases

During 2005, the plant had no abnormal releases.

G. Meteorology

The meteorology data for 2005 is summarized in Table 7, by quarter. The data are shown as joint frequency distributions of wind direction and speed by atmospheric stability class.

The wind direction and wind speed data used in the summary were acquired from the 10-meter level of the primary monitoring tower. Stability was determined by the primary differential temperature (61 to 10 meter).

The combined annual data recovery for wind direction, wind speed and stability was 94.8%. Primary variable recovery rates were as follows: wind direction (10 m) – 95.1%, wind speed (10 m) – 95.1%, and differential temperature (61 - 10 m) – 96.7%.

H. Offsite Dose Calculation Manual

The Virgil C. Summer Nuclear Station (VCSNS) Offsite Dose Calculation Manual (ODCM) was not revised during the affected 12-month period.

I. Oil Incineration

The incinerator operated for a period of 27.33 hours, burning 217.8 gallons of oil at the average rate of 7.97 gal/hr. The incinerated oil contained concentrations of $1.37\text{E-}08$ uCi/ml for Mn-54, $1.14\text{E-}07$ uCi/ml for Co-60 and $1.92\text{E-}08$ uCi/ml for Cs-137. The dose to the maximum exposed individual from the incinerated oil was $1.19\text{E-}06$ mrem.

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY – DECEMBER, 2005

VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS

J. Offsite Dose Calculation Manual Reportable Incidences

There were no reportable effluent incidences during this reporting period.

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 (ODCM, Section 1.2.3.1).

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

The dose to an individual from radioidines, 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 (ODCM, Section 1.2.4.1).

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 (ODCM, Section 1.1.3.1).

d. All Sources:

The annual dose equivalent shall not exceed 25 mrem to the whole body, 75 mrem to the thyroid and 25 mrem to any other organ (40 CFR 190).

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY – DECEMBER, 2005

VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS

2. Dose Rate and Effluent Concentration Limits:

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 (ODCM, Section 1.2.2.1).

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 (ODCM, Section 1.2.2.1).

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 2, Column 2 for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to $2\text{E-}4$ $\mu\text{Ci/ml}$ total activity (ODCM, Section 1.1.2.1).

3. Average Energy:

Not Applicable

4. Measurements and Approximations of Total Radioactivity:

a. Fission and activation gases: Gamma spectrometry (HPGe)

b. Iodines: Gamma spectrometry (HPGe)

c. Particulates: Gamma spectrometry (HPGe), beta proportional counting, alpha proportional counting

d. Tritium: Liquid scintillation

e. Liquid effluents: Gamma spectrometry (HPGe), liquid scintillation (H-3), beta proportional counting, alpha proportional counting.

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY – DECEMBER, 2005

VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS

5. Batch Releases:

a. Gaseous:

1. Number of batch releases: 0
2. Total time period for batch releases: 0 min
3. Maximum time period for a batch release: 0 min
4. Average time period for a batch release: 0 min
5. Minimum time period for a batch release: 0 min

b. Liquid:

1. Number of batch releases:

56	For first quarter, 2005
120	For second quarter, 2005
48	For third quarter, 2005
26	For fourth quarter, 2005

2. Total time period for batch releases:

4.11E+03	min. for first quarter, 2005
8.17E+03	min. for second quarter, 2005
3.01E+03	min. for third quarter, 2005
1.90E+03	min. for fourth quarter 2005

3. Maximum time period for a batch release:

9.00E+01	min. for first quarter, 2005
8.50E+01	min. for second quarter, 2005
8.00E+01	min. for third quarter, 2005
7.70E+01	min. for fourth quarter, 2005

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY – DECEMBER, 2005

VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS

4. Average time period for batch releases:

7.33E+01	min. for first quarter, 2005
6.81E+01	min. for second quarter, 2005
6.27E+01	min. for third quarter, 2005
7.31E+01	min. for fourth quarter, 2005

5. Minimum time period for a batch release:

6.50E+01	min. for first quarter, 2005
5.00E+00	min. for second quarter, 2005
1.00E+00	min. for third quarter, 2005
6.90E+01	min. for fourth quarter, 2005

6. Average stream flow during periods of release of effluent into a flowing stream for 2005:

8.56E+06	gpm for first quarter, 2005
6.96E+06	gpm for second quarter, 2005
9.22E+06	gpm for third quarter, 2005
7.01E+06	gpm for fourth quarter, 2005

6. Abnormal Releases:

a. Gaseous:

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

b. Liquid:

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

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT
January - December 2005

Virgil C. Summer Nuclear Station
South Carolina Electric & Gas

Table 1
Gaseous Effluents Summation of All Releases

	UNITS	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER	2005 TOTAL	EST. ERROR %
A. Fission & Activation Gases							
1. Total release	Ci	3.16E+00	1.06E+02	0.00E+00	6.07E-02	1.10E+02	18.27
2. Average release rate	uCi / sec	4.07E-01	1.35E+01	0.00E+00	7.63E-03	3.47E+00	
3. Percent ODCM Qtr. gamma air dose limit	%	4.98E-03	1.55E-01	0.00E+00	1.34E-04	N/A	
4. Percent ODCM annual gamma air dose limit	%	2.49E-03	7.99E-02 *	7.99E-02 *	8.00E-02 *	8.00E-02	
5. Percent ODCM Qtr. beta air dose limit	%	6.86E-03	2.25E-01	0.00E+00	2.07E-04	N/A	
6. Percent ODCM annual beta air dose limit	%	3.43E-03	1.16E-01 *	1.16E-01 *	1.17E-01 *	1.17E-01	
B. Iodines							
1. Total iodine - 131	Ci	0.00E+00	1.85E-03	0.00E+00	0.00E+00	1.85E-03	22.22
2. Average release rate	uCi / sec	0.00E+00	2.35E-04	0.00E+00	0.00E+00	5.86E-05	
C. Particulates							
1. Particulates with half - lifes > 8 days	Ci	5.67E-06	1.97E-06	2.98E-06	3.82E-06	1.44E-05	54.64
2. Average release rate	uCi / sec	7.29E-07	2.50E-07	3.75E-07	4.81E-07	4.58E-07	
3. Gross alpha radioactivity	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
D. Tritium							
1. Total release	Ci	2.29E-03	3.12E+00	0.00E+00	3.19E-03	3.12E+00	26.06
2. Average release rate	uCi / sec	2.95E-04	3.96E-01	0.00E+00	4.01E-04	9.90E-02	
E. Organ Dose (from B,C,and D)							
1. Percent ODCM Qtr. organ dose limit	%	1.61E-05	4.75E-01	0.00E+00	2.24E-05	N/A	
2. Percent ODCM annual organ dose limit	%	8.05E-06	2.38E-01 *	2.38E-01 *	2.38E-01 *	2.38E-01	

* Cumulative

**ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT
JANUARY - DECEMBER, 2005**

**TABLE 2
GASEOUS EFFLUENTS -- GROUND-LEVEL RELEASES**

Continuous Mode							Batch Mode				
Nuclides Released	Units	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
1 Fission gases											
Krypton-85	Ci	0	2.58E-01	0	3.75E-02	2.96E-01	0	0	0	0	0
Krypton-85m	Ci	0	0	0	0	0	0	0	0	0	0
Krypton-87	Ci	0	0	0	0	0	0	0	0	0	0
Krypton-88	Ci	0	0	0	0	0	0	0	0	0	0
Xenon-131m	Ci	0	5.42E-01	0	0	5.42E-01	0	0	0	0	0
Xenon-133	Ci	3.09E+00	1.05E+02	0	2.03E-02	1.08E+02	0	0	0	0	0
Xenon-133m	Ci	0	1.61E-01	0	0	1.61E-01	0	0	0	0	0
Xenon-135	Ci	7.73E-02	3.20E-01	0	2.14E-04	3.98E-01	0	0	0	0	0
Xenon-135m	Ci	0	0	0	0	0	0	0	0	0	0
Xenon-138	Ci	0	0	0	0	0	0	0	0	0	0
Other: Ar-41	Ci	9.64E-04	1.05E-01	0	2.73E-03	1.09E-01	0	0	0	0	0
Unidentified: None	Ci	0	0	0	0	0	0	0	0	0	0
Total for Period	Ci	3.17E+00	1.06E+02	0	6.07E-02	1.10E+02	0	0	0	0	0
2 Iodines and other halogens											
Iodine-131	Ci	0	1.85E-03	0	0	1.85E-03	0	0	0	0	0
Iodine-132	Ci	0	1.64E-04	0	0	1.64E-04	0	0	0	0	0
Iodine-133	Ci	0	2.65E-05	0	0	2.65E-05	0	0	0	0	0
Br-82	Ci	0	0	0	0	0	0	0	0	0	0
Unidentified: None	Ci	0	0	0	0	0	0	0	0	0	0
Total for Period	Ci	0	2.04E-03	0	0	2.04E-03	0	0	0	0	0
3 Particulates											
Cromium-51	Ci	0	0	0	0	0	0	0	0	0	0
Cobalt-58	Ci	0	1.97E-06	0	0	1.97E-06	0	0	0	0	0
Cobalt-60	Ci	0	0	0	0	0	0	0	0	0	0
Stronium-89	Ci	0	0	0	0	0	0	0	0	0	0
Stronium-90	Ci	0	0	0	0	0	0	0	0	0	0
Niobium-95	Ci	0	0	0	0	0	0	0	0	0	0
Cesium-134	Ci	0	0	0	0	0	0	0	0	0	0
Cesium-137	Ci	0	0	0	0	0	0	0	0	0	0
Other: Be-7	Ci	5.67E-06	0	2.98E-06	3.82E-06	1.25E-05	0	0	0	0	0
Unidentified: None	Ci	0	0	0	0	0	0	0	0	0	0
Total for Period	Ci	5.67E-06	1.97E-06	2.98E-06	3.82E-06	1.44E-05	0	0	0	0	0

**ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT
JANUARY-DECEMBER, 2005**

*Virgil C. Summer Nuclear Station
South Carolina Electric & Gas*

**TABLE 3
Liquid Effluents Summation of All Releases**

	UNITS	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER	2005 TOTAL	EST. ERROR %
A. Fission & Activation Products							
1. Total release	Ci	1.45E-02	5.10E-02	8.29E-03	2.04E-03	7.58E-02	20.58
2. Average diluted concentration	uCi/ml	3.54E-11	1.20E-10	2.37E-11	6.35E-12	5.04E-11	
B. Tritium							
1. Total release	Ci	2.07E+02	1.57E+02	4.83E+01	5.36E+01	4.66E+02	18.12
2. Average diluted concentration	uCi/ml	5.06E-07	3.72E-07	1.38E-07	1.67E-07	3.10E-07	
C. Dissolved and entrained gases							
1. Total release	Ci	1.39E-01	7.11E-01	1.23E-04	2.76E-04	8.50E-01	18.03
2. Average diluted concentration	uCi/ml	3.39E-10	1.68E-09	3.52E-13	8.61E-13	5.65E-10	
3. Percent ODCM limit (2.0E-4 uCi/ml)	%	1.70E-04	8.39E-04	1.76E-07	4.30E-07	2.83E-04	
D. Gross alpha radioactivity							
1. Total release	Ci	0	0	0	0	0	N/A
E. ODCM limits (from A and B)							
1. Percent of ODCM Qtr total body limit	%	1.07E-01	1.26E-01	1.62E-02	3.08E-02	N/A	
2. Percent of ODCM annual total body limit	%	5.34E-02	1.16E-01 *	1.25E-01 *	1.40E-01 *	1.40E-01 *	
3. Percent of ODCM Qtr max. organ limit**	%	3.62E-02	6.12E-02	5.96E-03	1.00E-02	N/A	
4. Percent of ODCM annual max. organ limit**	%	1.81E-02	4.10E-02 *	4.40E-02 *	4.58E-02 *	4.76E-02 *	
E. Volume of waste released (undiluted)	liters	1.08E+07	3.82E+07	9.61E+06	1.01E+07	6.87E+07	3.0
F. Volume of dilution water	liters	4.09E+11	4.24E+11	3.50E+11	3.21E+11	1.50E+12	4.3

* Cumulative

** See page 3 for max. organ for each quarter and cumulative.

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY - DECEMBER, 2005

Virgil C. Summer Nuclear Station, South Carolina Electric & Gas

TABLE 4
LIQUID EFFLUENTS

Nuclides Released*	Units	Continuous Mode					Batch Mode				
		First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Total
Strontium-89	Cl	0	0	0	0	0	0	0	0	0	0
Strontium-90	Cl	0	0	0	0	0	0	0	0	0	0
Cesium-134	Cl	0	0	0	0	0	1.07E-03	3.87E-04	9.74E-08	1.26E-04	1.58E-03
Cesium-137	Cl	0	0	0	0	0	9.19E-04	3.81E-04	2.16E-07	9.64E-05	1.40E-03
Iodine-131	Cl	0	0	0	0	0	3.08E-04	2.22E-04	0	0	5.30E-04
Cobalt-58	Cl	0	0	0	0	0	3.81E-04	3.98E-03	6.09E-05	9.86E-05	4.52E-03
Cobalt-60	Cl	0	0	0	0	0	1.85E-03	6.05E-03	1.36E-04	2.21E-04	8.26E-03
Iron-59	Cl	0	0	0	0	0	5.58E-05	1.16E-04	0	0	1.72E-04
Zinc-65	Cl	0	0	0	0	0	5.27E-06	9.56E-05	0	0	1.01E-04
Manganese-54	Cl	0	0	0	0	0	3.09E-04	7.70E-04	9.27E-06	2.32E-05	1.11E-03
Chromium-51	Cl	0	0	0	0	0	2.29E-04	8.26E-03	3.02E-05	0	8.52E-03
Zirconium-Niobium-95	Cl	0	0	0	0	0	5.17E-05	2.07E-03	2.72E-05	1.12E-05	2.16E-03
Molybdenum-99	Cl	0	0	0	0	0	0	0	0	0	0
Technetium-99m	Cl	0	0	0	0	0	2.69E-06	1.49E-05	0	0	1.76E-05
Barium-Lanthanum-140	Cl	0	0	0	0	0	0	0	0	0	0
Cerium-141	Cl	0	0	0	0	0	0	0	0	0	0
Other: Be-7	Cl	0	0	0	0	0	1.01E-04	0	0	0	1.01E-04
Fe-55	Cl	0	0	0	0	0	7.70E-03	1.66E-02	2.78E-03	1.44E-03	2.85E-02
Co-57	Cl	0	0	0	0	0	0	1.11E-05	0	0	1.11E-05
As-76	Cl	0	0	0	0	0	0	1.33E-06	4.86E-06	0	6.19E-06
Rb-88	Cl	0	0	0	0	0	1.22E-05	9.29E-06	0	0	2.15E-05
Sn-113	Cl	0	0	0	0	0	1.10E-05	1.09E-05	0	0	2.19E-05
Sn-117m	Cl	0	0	0	0	0	1.09E-05	4.42E-04	1.68E-04	4.70E-06	6.26E-04
Sb-122	Cl	0	0	0	0	0	3.75E-06	0	0	3.14E-06	6.89E-06
Sb-124	Cl	0	0	0	0	0	8.12E-06	1.61E-05	0	0	2.42E-05
Sb-125	Cl	0	0	0	0	0	1.42E-03	2.63E-04	2.31E-07	1.53E-05	1.70E-03
Te-123m	Cl	0	0	0	0	0	0	0	0	1.31E-06	1.31E-06
Te-125m	Cl	0	0	0	0	0	0	1.09E-02	5.02E-03	0	1.59E-02
Te-129m	Cl	0	0	0	0	0	0	2.45E-04	4.62E-05	0	2.91E-04
Te-132	Cl	0	0	0	0	0	0	1.56E-05	0	0	1.56E-05
I-132	Cl	0	0	0	0	0	0	1.80E-05	0	0	1.80E-05
I-133	Cl	0	0	0	0	0	2.01E-05	1.92E-05	0	0	3.93E-05
Cs-136	Cl	0	0	0	0	0	0	1.61E-06	0	0	1.61E-06
Hg-203	Cl	0	0	0	0	0	0	5.81E-07	0	0	5.81E-07
Unidentified: None	Cl	0	0	0	0	0	0	0	0	0	0
Total for Period (above)	Cl	0	0	0	0	0	1.45E-02	5.09E-02	8.28E-03	2.04E-03	7.57E-02
Xenon-133	Cl	0	0	0	0	0	1.32E-01	6.83E-01	1.12E-04	0	8.15E-01
Xenon-135	Cl	0	0	0	0	0	1.49E-03	5.45E-03	1.12E-05	0	6.95E-03
Other: Ar-41	Cl	0	0	0	0	0	1.18E-06	0	0	0	1.18E-06
Kr-85	Cl	0	0	0	0	0	2.26E-03	5.17E-03	0	2.76E-04	7.71E-03
Kr-85m	Cl	0	0	0	0	0	5.16E-06	4.36E-05	0	0	4.88E-05
Kr-88	Cl	0	0	0	0	0	0	0	0	0	0
Xe-131m	Cl	0	0	0	0	0	2.02E-03	9.94E-03	0	0	1.20E-02
Xe-133m	Cl	0	0	0	0	0	1.40E-03	7.98E-03	0	0	9.38E-03
Unidentified: None	Cl	0	0	0	0	0	0	0	0	0	0
Total Entrained Gases	Cl	0	0	0	0	0	1.39E-01	7.12E-01	1.23E-04	2.76E-04	8.51E-01

*Tritium not included. See Table 3 for tritium numbers

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT
January - December, 2005

Virgil C. Summer Nuclear Station
South Carolina Electric & Gas

Table 5
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

1. Solid Waste Shipped Offsite for Burial or Disposal (Not irradiated fuel).

Type of Waste	Unit	2005 Total	Est. Total Error, %
a. Spent resins, filters, sludge, evaporator bottoms, etc.	m3 Ci	21.58 219.61	35
b. Dry compressible waste contaminated equip., etc.	m3 Ci	55.82 9.82	35
c. Irradiated components, control rods, etc.	m3 Ci	0 0	N/A
d. Other (describe)	m3 Ci	0 0	N/A

2. Estimate of major nuclide composition for the year (by type of waste) for concentrations above 1.0% (listed in descending order by activity level).

a.	Cs-134	%	27.35
	Cs-137	%	21.61
	Fe-55	%	19.76
	Ni-63	%	16.43
	Mn-54	%	4.72
	Co-58	%	3.53
	Co-60	%	3.39
	Be-7	%	1.9
b.	C-14	%	9.64
	Co-58	%	2.94
	H-3	%	1.44
		%	
c.	None	%	N/A
d.	None	%	N/A

3A. Solid waste Disposition

Numbers of Shipments	Mode of Transportation	Destination
37	Truck	Oak Ridge, TN
8	Truck	Barnwell, S.C.

- Note: 34 are partial shipments of DAW from Duratek (Oak Ridge) to Envirocare

3B. Irradiated Fuel Shipments (Disposition)

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

ANNUAL EFFLUENT AND WASTE DISPOSAL REPORT

JANUARY - DECEMBER 2005

*Virgil C. Summer Nuclear Station
South Carolina Electric & Gas*

Table 6
GASEOUS AND LIQUID DOSES

ODCM Section	GASEOUS LIMITS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL ANNUAL DOSE
		DOSE	Percent of Limit	DOSE	Percent of Limit	DOSE	Percent of Limit	DOSE	Percent of Limit	
1.2.3.1.a,b	5 mrad gamma / qtr. 10 mrad gamma / yr.	2.49E-04 mrad	4.98E-03 2.49E-03	7.74E-03 mrad	1.55E-01 7.99E-02 *	0.00E+00 mrad	0.00E+00 7.99E-02 *	6.71E-06 mrad	1.34E-04 8.00E-02 *	8.00E-03
1.2.3.1.a,b	10 mrad beta / qtr. 20 mrad beta / yr.	6.86E-04 mrad	6.86E-03 3.43E-03	2.25E-02 mrad	2.25E-01 1.16E-01 *	0.00E+00 mrad	0.00E+00 1.16E-01 *	2.07E-05 mrad	2.07E-04 1.16E-01 *	2.32E-02
1.2.4.1.a,b	7.5 mrem organ/qtr 15 mrem organ/yr.	1.21E-06 mrem**	1.61E-05 8.05E-06	3.56E-02 mrem**	4.75E-01 2.38E-01 *	0.00E+00 mrem**	0.00E+00 2.38E-01 *	1.68E-06 mrem**	2.24E-05 2.38E-01 *	3.56E-02
1.1.3.1a,b	LIQUID LIMITS									
	1.5 mrem / qtr. 3 mrem / yr.	1.60E-03 mrem	1.07E-01 5.34E-02	1.89E-03 mrem	1.26E-01 1.16E-01 *	2.43E-04 mrem	1.62E-02 1.25E-01 *	4.62E-04 mrem	3.08E-02 1.40E-01 *	4.20E-03
1.1.3.1a,b	5 mrem organ/qtr*** 10 mrem organ/yr.	1.81E-03 mrem (Liver)	3.62E-02 1.81E-02	3.06E-03 mrem (GI-LLI)	6.12E-02 4.10E-02 *	2.98E-04 mrem (GI-LLI)	5.96E-03 4.40E-02 *	5.00E-04 mrem (Liver)	1.00E-02 4.58E-02 *	4.76E-03 (GI-LLI)

* Includes contribution from previous quarters

** Includes dose from all nuclides

*** See page 3 for max organ for each quarter

TABLE 7

JOINT FREQUENCY DISTRIBUTION

BY QUARTER FOR 2005

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 1- 1 00:00 to 5- 3-31 23:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	0	1	0	0	0	1	11.68
NNE	0	0	4	0	0	0	4	11.40
NE	0	2	5	9	0	0	16	12.67
ENE	0	2	12	8	1	0	23	12.25
E	0	2	1	0	0	0	3	7.89
ESE	0	0	0	1	0	0	1	15.05
SE	0	1	1	0	0	0	2	8.91
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	1	7	0	0	0	8	8.85
SW	0	8	8	0	0	0	16	8.35
WSW	0	12	12	2	0	0	26	8.74
W	0	10	13	3	0	0	26	9.41
WNW	0	4	2	0	0	0	6	6.71
NW	0	6	2	2	0	0	10	9.11
NNW	0	1	0	1	3	0	5	16.68
Total	0	49	68	26	4	0	147	

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 : 6
Total hours of observation : 2160

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 1- 1 00:00 to 5- 3-31 23:00

Stability Class: B delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	2	0	0	0	0	2	6.54
NNE	0	1	3	2	0	0	6	10.60
NE	0	1	2	6	0	0	9	13.33
ENE	0	2	3	4	1	0	10	12.29
E	0	0	1	0	0	0	1	9.73
ESE	0	0	0	3	0	0	3	15.67
SE	0	0	0	0	0	0	0	0.00
SSE	0	1	2	1	0	0	4	11.39
S	0	1	0	0	0	0	1	7.00
SSW	0	2	3	0	0	0	5	8.83
SW	0	7	0	1	0	0	8	7.28
WSW	0	6	9	0	0	0	15	8.53
W	0	8	2	7	0	0	17	10.69
WNW	0	9	2	1	0	0	12	7.78
NW	0	4	4	2	0	0	10	9.96
NNW	0	2	1	0	1	0	4	10.26
Total	0	46	32	27	2	0	107	

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 : 6
 Total hours of observation : 2160

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 1- 1 00:00 to 5- 3-31 23:00

Stability Class: C delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	5	1	0	0	0	6	6.29
NNE	0	4	2	4	0	0	10	11.22
NE	0	4	4	12	2	0	22	13.46
ENE	0	2	11	10	1	0	24	13.01
E	0	3	1	0	0	0	4	7.77
ESE	0	3	0	0	0	0	3	6.76
SE	0	0	3	1	0	0	4	11.97
SSE	0	0	2	3	0	0	5	14.02
S	0	1	2	2	0	0	5	12.16
SSW	0	3	3	0	0	0	6	8.86
SW	0	9	2	3	0	0	14	8.44
WSW	0	11	3	1	0	0	15	7.61
W	0	6	4	4	0	0	14	9.35
WNW	0	9	1	1	0	0	11	7.52
NW	0	5	12	1	0	0	18	9.61
NNW	0	4	2	0	0	0	6	7.14
Total	0	69	53	42	3	0	167	

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 : 6
Total hours of observation : 2160

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 1- 1 00:00 to 5- 3-31 23:00

Stability Class: D delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	21	9	2	1	0	33	7.98
NNE	0	11	13	23	8	0	55	12.77
NE	0	20	69	56	2	0	147	11.85
ENE	0	32	65	21	0	0	118	10.03
E	0	13	23	11	0	0	47	10.09
ESE	0	10	7	0	0	0	17	7.50
SE	0	5	12	0	0	0	17	8.71
SSE	0	7	13	1	0	0	21	8.85
S	0	11	5	9	1	0	26	10.38
SSW	0	15	4	1	0	0	20	7.06
SW	0	46	30	1	0	0	77	7.70
WSW	0	36	23	2	0	0	61	7.92
W	0	37	23	8	0	0	68	8.40
WNW	0	16	9	2	0	0	27	8.25
NW	0	17	20	11	0	0	48	9.85
NNW	0	20	9	8	1	0	38	9.51
Total	0	317	334	156	13	0	820	

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 : 6
 Total hours of observation : 2160

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 1- 1 00:00 to 5- 3-31 23:00

Stability Class: E delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	15	3	1	0	0	19	6.64
NNE	0	22	1	0	0	0	23	5.73
NE	0	18	5	0	0	0	23	6.15
ENE	0	24	4	0	0	0	28	5.90
E	0	16	5	0	0	0	21	6.78
ESE	0	13	3	0	0	0	16	6.28
SE	0	13	3	0	0	0	16	6.56
SSE	0	13	4	0	0	0	17	7.05
S	0	16	1	0	0	0	17	6.17
SSW	0	45	2	0	0	0	47	6.57
SW	0	86	14	0	0	0	100	6.64
WSW	0	63	12	1	0	0	76	6.49
W	0	54	13	0	0	0	67	6.60
WNW	0	19	0	0	0	0	19	5.55
NW	0	14	2	1	0	0	17	6.45
NNW	0	14	4	2	0	0	20	7.55
Total	0	445	76	5	0	0	526	

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 : 6
 Total hours of observation : 2160

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 1- 1 00:00 to 5- 3-31 23:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	12	0	0	0	0	12	5.00
NNE	0	7	0	0	0	0	7	5.06
NE	0	4	0	0	0	0	4	5.39
ENE	0	2	1	0	0	0	3	6.48
E	0	4	0	0	0	0	4	5.69
ESE	0	1	0	0	0	0	1	5.73
SE	0	5	0	0	0	0	5	5.70
SSE	0	21	0	0	0	0	21	6.12
S	0	33	0	0	0	0	33	6.09
SSW	0	20	0	0	0	0	20	6.16
SW	0	32	1	0	0	0	33	5.67
WSW	0	23	0	0	0	0	23	5.24
W	0	26	1	0	0	0	27	5.50
WNW	0	11	0	0	0	0	11	5.39
NW	0	6	0	0	0	0	6	5.23
NNW	0	3	0	0	0	0	3	6.18
Total	0	210	3	0	0	0	213	

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 : 6
Total hours of observation : 2160

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 1- 1 00:00 to 5- 3-31 23:00

Stability Class: G delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	1	0	0	0	0	1	5.13
NNE	0	3	0	0	0	0	3	5.44
NE	0	3	0	0	0	0	3	5.83
ENE	0	1	0	0	0	0	1	4.33
E	0	4	0	0	0	0	4	5.12
ESE	0	2	0	0	0	0	2	5.34
SE	0	3	0	0	0	0	3	4.90
SSE	0	11	0	0	0	0	11	5.69
S	0	21	0	0	0	0	21	5.47
SSW	0	24	0	0	0	0	24	5.12
SW	0	27	0	0	0	0	27	5.53
WSW	0	31	0	0	0	0	31	5.28
W	0	21	0	0	0	0	21	5.16
WNW	0	7	0	0	0	0	7	5.03
NW	0	11	0	0	0	0	11	5.25
NNW	0	4	0	0	0	0	4	5.22
Total	0	174	0	0	0	0	174	

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 : 6
 Total hours of observation : 2160

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 1- 1 00:00 to 5- 3-31 23:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	56	14	3	1	0	74	6.99
NNE	0	48	23	29	8	0	108	10.25
NE	0	52	85	83	4	0	224	11.35
ENE	0	65	96	43	3	0	207	10.10
E	0	42	31	11	0	0	84	8.63
ESE	0	29	10	4	0	0	43	7.60
SE	0	27	19	1	0	0	47	7.70
SSE	0	53	21	5	0	0	79	7.75
S	0	83	8	11	1	0	103	7.36
SSW	0	110	19	1	0	0	130	6.65
SW	0	215	55	5	0	0	275	6.92
WSW	0	182	59	6	0	0	247	7.00
W	0	165	56	22	0	0	243	7.58
WNW	0	77	14	4	0	0	95	6.83
NW	0	63	40	17	0	0	120	8.63
NNW	0	49	16	11	5	0	81	8.94
Total	0	1316	566	256	22	0	2160	

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data for All : 0
Hours of No Stability Class : 6
Total hours of observation : 2160

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 4- 1 00:00 to 5- 6-30 23:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	5	0	0	0	0	5	6.09
NNE	0	6	2	4	0	0	12	9.84
NE	0	5	7	5	2	0	19	10.91
ENE	0	5	11	1	0	0	17	9.01
E	0	2	2	0	0	0	4	8.08
ESE	0	8	2	0	0	0	10	7.39
SE	0	4	3	1	0	0	8	9.38
SSE	0	6	4	1	0	0	11	8.19
S	0	2	5	2	0	0	9	10.17
SSW	0	7	10	2	0	0	19	9.02
SW	0	24	3	0	0	0	27	6.69
WSW	0	26	8	0	0	0	34	6.96
W	0	10	16	2	0	0	28	9.38
WNW	0	8	5	1	0	0	14	8.55
NW	0	3	2	0	0	0	5	7.77
NNW	0	2	0	0	0	0	2	5.91
Total	0	123	80	19	2	0	224	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 2
 Hours of Missing Data for All : 274
 Hours of No Stability Class : 229
 Total hours of observation : 2184

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 4- 1 00:00 to 5- 6-30 23:00

Stability Class: B delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	2	0	0	0	0	2	5.87
NNE	0	4	1	2	0	0	7	9.58
NE	0	3	7	2	0	0	12	10.23
ENE	0	4	5	0	0	0	9	8.18
E	0	5	5	0	0	0	10	8.49
ESE	0	1	3	0	0	0	4	9.61
SE	0	3	1	0	0	0	4	7.81
SSE	0	4	4	0	0	0	8	8.34
S	0	4	1	1	0	0	6	8.24
SSW	0	7	6	0	0	0	13	8.17
SW	0	13	4	0	0	0	17	7.17
WSW	0	8	2	0	0	0	10	6.82
W	0	7	10	3	3	0	23	11.17
WNW	0	1	4	0	0	0	5	9.35
NW	0	2	1	0	0	0	3	7.05
NNW	0	3	1	0	0	0	4	6.01
Total	0	71	55	8	3	0	137	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 1
 Hours of Missing Data for All : 274
 Hours of No Stability Class : 229
 Total hours of observation : 2184

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 4- 1 00:00 to 5- 6-30 23:00

Stability Class: C delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	6	1	0	0	0	7	5.61
NNE	0	9	0	6	3	0	18	11.68
NE	0	5	5	2	0	0	12	9.52
ENE	0	4	8	3	0	0	15	10.57
E	0	1	9	2	0	0	12	9.80
ESE	0	3	6	0	0	0	9	9.18
SE	0	0	0	0	0	0	0	0.00
SSE	0	3	4	0	0	0	7	8.00
S	0	3	5	0	0	0	8	8.88
SSW	0	5	1	0	0	0	6	7.62
SW	0	12	2	0	0	0	14	6.55
WSW	0	12	2	0	0	0	14	6.82
W	0	11	2	1	0	0	14	7.50
WNW	0	7	2	1	0	0	10	7.48
NW	0	3	0	0	0	0	3	6.58
NNW	0	3	0	0	0	0	3	5.03
Total	0	87	47	15	3	0	152	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 3
 Hours of Missing Data for All : 274
 Hours of No Stability Class : 229
 Total hours of observation : 2184

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 4- 1 00:00 to 5- 6-30 23:00

Stability Class: D delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	20	10	4	2	1	37	9.46
NNE	0	27	36	22	4	0	89	10.89
NE	0	30	63	39	7	0	139	11.50
ENE	1	26	35	9	0	0	71	9.40
E	1	18	17	11	1	0	48	9.52
ESE	0	23	4	0	0	0	27	6.73
SE	0	40	13	0	0	0	53	6.96
SSE	0	44	16	0	0	0	60	7.22
S	0	13	20	1	0	0	34	8.85
SSW	0	32	16	0	0	0	48	7.37
SW	0	28	7	0	0	0	35	6.66
WSW	0	29	0	1	0	0	30	5.96
W	1	23	14	7	1	0	46	8.76
WNW	0	16	6	0	0	0	22	6.68
NW	0	14	2	0	0	0	16	6.14
NNW	0	11	4	2	0	0	17	7.92
Total	3	394	263	96	15	1	772	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 18
 Hours of Missing Data for All : 274
 Hours of No Stability Class : 229
 Total hours of observation : 2184

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 4- 1 00:00 to 5- 6-30 23:00

Stability Class: E delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	1	6	4	0	0	0	11	6.41
NNE	0	12	1	0	0	0	13	6.08
NE	0	6	2	0	0	0	8	6.46
ENE	0	6	5	0	0	0	11	7.00
E	0	20	1	0	0	0	21	6.57
ESE	0	16	0	0	0	0	16	6.10
SE	0	15	0	0	0	0	15	5.78
SSE	0	25	1	0	0	0	26	6.18
S	0	45	6	0	0	0	51	6.29
SSW	1	41	7	0	0	0	49	6.42
SW	1	59	3	0	0	0	63	6.00
WSW	1	27	1	0	0	0	29	5.81
W	0	43	2	0	0	0	45	6.20
WNW	0	14	0	0	0	0	14	5.86
NW	0	9	1	0	0	0	10	6.69
NNW	0	3	1	0	0	0	4	6.95
Total	4	347	35	0	0	0	386	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 7
 Hours of Missing Data for All : 274
 Hours of No Stability Class : 229
 Total hours of observation : 2184

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 4- 1 00:00 to 5- 6-30 23:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	1	0	0	0	0	1	7.03
NNE	0	1	0	0	0	0	1	6.44
NE	0	0	0	0	0	0	0	0.00
ENE	0	1	0	0	0	0	1	4.71
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	6.36
SSE	0	14	0	0	0	0	14	6.27
S	0	21	0	0	0	0	21	5.48
SSW	0	28	0	0	0	0	28	5.33
SW	1	34	0	0	0	0	35	5.42
WSW	0	16	0	0	0	0	16	5.32
W	0	18	0	0	0	0	18	5.54
WNW	0	10	0	0	0	0	10	5.90
NW	0	3	0	0	0	0	3	5.45
NNW	0	0	0	0	0	0	0	0.00
Total	1	150	0	0	0	0	151	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 8
 Hours of Missing Data for All : 274
 Hours of No Stability Class : 229
 Total hours of observation : 2184

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 4- 1 00:00 to 5- 6-30 23:00

Stability Class: G delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	6.99
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	6	0	0	0	0	6	5.03
S	0	9	0	0	0	0	9	5.54
SSW	0	11	0	0	0	0	11	5.27
SW	0	16	0	0	0	0	16	5.49
WSW	0	16	0	0	0	0	16	5.57
W	0	18	0	0	0	0	18	5.66
WNW	0	9	0	0	0	0	9	5.38
NW	0	2	0	0	0	0	2	5.38
NNW	0	0	0	0	0	0	0	0.00
Total	0	88	0	0	0	0	88	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 6
 Hours of Missing Data for All : 274
 Hours of No Stability Class : 229
 Total hours of observation : 2184

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 4- 1 00:00 to 5- 6-30 23:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	1	40	15	4	2	1	63	8.08
NNE	0	59	40	34	7	0	140	10.36
NE	0	49	84	48	9	0	190	11.02
ENE	1	46	64	13	0	0	124	9.15
E	1	47	34	13	1	0	96	8.72
ESE	0	51	15	0	0	0	66	7.19
SE	0	65	17	1	0	0	83	7.00
SSE	0	102	29	1	0	0	132	7.00
S	0	97	37	4	0	0	138	7.24
SSW	1	131	40	2	0	0	174	6.89
SW	2	186	19	0	0	0	207	6.20
WSW	1	134	13	1	0	0	149	6.19
W	1	130	44	13	4	0	192	7.85
WNW	0	65	17	2	0	0	84	6.88
NW	0	36	6	0	0	0	42	6.48
NNW	0	22	6	2	0	0	30	7.11
Total	8	1260	480	138	23	1	1910	

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data for All : 274
Hours of No Stability Class : 229
Total hours of observation : 2184

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 7- 1 00:00 to 5- 9-30 23:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	11	0	0	0	0	11	5.83
NNE	0	15	0	0	0	0	15	5.64
NE	0	27	8	1	0	0	36	7.19
ENE	0	19	5	1	0	0	25	7.23
E	0	13	5	0	0	0	18	7.67
ESE	0	5	8	0	0	0	13	8.66
SE	0	7	4	1	0	0	12	8.35
SSE	0	5	5	0	0	0	10	8.27
S	0	4	6	4	0	0	14	11.40
SSW	0	12	3	1	0	0	16	7.63
SW	0	37	3	0	0	0	40	6.76
WSW	0	35	4	0	0	0	39	6.74
W	0	6	7	0	0	0	13	7.67
WNW	0	4	0	0	0	0	4	6.45
NW	0	2	0	0	0	0	2	5.85
NNW	0	11	0	0	0	0	11	5.71
Total	0	213	58	8	0	0	279	

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data : 17
Hours of Missing Data for All : 149
Hours of No Stability Class : 23
Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 7- 1 00:00 to 5- 9-30 23:00

Stability Class: B delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	5	0	0	0	0	5	5.48
NNE	0	12	1	1	0	0	14	6.68
NE	0	10	9	0	1	0	20	8.46
ENE	0	11	4	1	0	0	16	7.61
E	0	5	7	0	0	0	12	9.07
ESE	0	4	2	0	0	0	6	7.74
SE	0	4	2	0	0	0	6	7.07
SSE	0	2	1	0	0	0	3	7.02
S	0	2	5	1	0	0	8	9.94
SSW	0	6	5	4	0	0	15	9.83
SW	0	15	4	0	0	0	19	6.70
WSW	0	13	1	0	0	0	14	6.37
W	0	11	1	0	0	0	12	6.11
WNW	0	3	0	0	0	0	3	5.39
NW	0	1	0	0	0	0	1	6.04
NNW	0	3	1	1	0	0	5	8.94
Total	0	107	43	8	1	0	159	

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data : 5
Hours of Missing Data for All : 149
Hours of No Stability Class : 23
Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 7- 1 00:00 to 5- 9-30 23:00

Stability Class: C delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

HOURS at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	5	1	0	0	0	6	6.92
NNE	0	15	0	6	4	0	25	10.73
NE	0	17	16	13	5	0	51	11.38
ENE	0	13	8	2	1	0	24	8.67
E	0	7	4	1	0	0	12	7.69
ESE	0	8	3	0	0	0	11	7.30
SE	0	10	4	0	0	0	14	7.06
SSE	0	6	3	0	0	0	9	7.44
S	0	6	4	0	0	0	10	7.69
SSW	0	4	3	3	0	0	10	9.33
SW	0	10	1	0	0	0	11	6.36
WSW	0	8	1	0	0	0	9	6.01
W	0	6	2	0	0	0	8	6.88
WNW	0	3	0	0	0	0	3	6.06
NW	0	3	2	0	0	0	5	7.42
NNW	0	2	1	1	0	0	4	8.98
Total	0	123	53	26	10	0	212	

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data : 9
Hours of Missing Data for All : 149
Hours of No Stability Class : 23
Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 7- 1 00:00 to 5- 9-30 23:00

Stability Class: D delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	10	7	12	0	0	29	11.18
NNE	0	20	19	39	3	0	81	11.88
NE	0	30	58	56	3	0	147	11.69
ENE	0	31	50	9	0	0	90	9.40
E	0	42	30	0	0	0	72	7.70
ESE	0	42	9	0	0	0	51	6.91
SE	0	17	9	0	0	0	26	7.34
SSE	0	32	8	0	0	0	40	6.90
S	0	13	4	1	0	0	18	7.23
SSW	0	28	7	0	0	0	35	7.19
SW	0	37	3	0	0	0	40	6.03
WSW	1	34	1	0	0	0	36	5.78
W	0	11	1	0	0	0	12	5.99
WNW	0	13	0	0	0	0	13	5.70
NW	0	16	1	0	0	0	17	5.90
NNW	0	11	4	3	0	0	18	8.67
Total	1	387	211	120	6	0	725	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 50
 Hours of Missing Data for All : 149
 Hours of No Stability Class : 23
 Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 7- 1 00:00 to 5- 9-30 23:00

Stability Class: E delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	4	2	0	0	0	6	7.86
NNE	0	5	2	0	0	0	7	7.11
NE	0	7	10	1	0	0	18	9.82
ENE	0	12	3	0	0	0	15	6.89
E	0	22	11	1	0	0	34	7.75
ESE	1	9	1	0	0	0	11	5.86
SE	0	21	3	0	0	0	24	6.65
SSE	0	37	2	0	0	0	39	5.97
S	0	32	0	1	0	0	33	6.18
SSW	0	71	0	0	0	0	71	5.57
SW	3	74	0	0	0	0	77	5.49
WSW	2	51	0	0	0	0	53	5.50
W	1	28	0	0	0	0	29	5.32
WNW	1	18	0	0	0	0	19	5.38
NW	0	6	0	0	0	0	6	5.33
NNW	0	6	1	1	0	0	8	7.49
Total	8	403	35	4	0	0	450	

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data : 18
Hours of Missing Data for All : 149
Hours of No Stability Class : 23
Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 7- 1 00:00 to 5- 9-30 23:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	1	0	0	0	0	1	6.12
NNE	0	0	0	0	0	0	0	0.00
NE	0	2	0	0	0	0	2	5.61
ENE	0	2	0	0	0	0	2	5.19
E	0	0	0	0	0	0	0	0.00
ESE	0	1	1	0	0	0	2	7.28
SE	0	6	0	0	0	0	6	6.23
SSE	0	11	0	0	0	0	11	5.61
S	0	18	0	0	0	0	18	5.29
SSW	0	16	0	0	0	0	16	5.49
SW	0	35	0	0	0	0	35	5.29
WSW	1	37	0	0	0	0	38	5.32
W	0	26	0	0	0	0	26	5.41
WNW	0	14	0	0	0	0	14	5.05
NW	0	7	0	0	0	0	7	5.46
NNW	0	1	0	0	0	0	1	5.90
Total	1	177	1	0	0	0	179	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 27
 Hours of Missing Data for All : 149
 Hours of No Stability Class : 23
 Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 7- 1 00:00 to 5- 9-30 23:00

Stability Class: G delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	5.88
SW	0	6	0	0	0	0	6	5.18
WSW	0	15	0	0	0	0	15	5.16
W	0	22	0	0	0	0	22	5.35
WNW	1	8	0	0	0	0	9	5.03
NW	0	2	0	0	0	0	2	5.70
NNW	0	0	0	0	0	0	0	0.00
Total	1	54	0	0	0	0	55	

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data : 0
Hours of Missing Data for All : 149
Hours of No Stability Class : 23
Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 7- 1 00:00 to 5- 9-30 23:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	36	10	12	0	0	58	8.80
NNE	0	67	22	46	7	0	142	10.27
NE	0	93	101	71	9	0	274	10.64
ENE	0	88	70	13	1	0	172	8.55
E	0	89	57	2	0	0	148	7.82
ESE	1	69	24	0	0	0	94	7.14
SE	0	65	22	1	0	0	88	7.15
SSE	0	93	19	0	0	0	112	6.62
S	0	75	19	7	0	0	101	7.38
SSW	0	138	18	8	0	0	164	6.73
SW	3	214	11	0	0	0	228	5.91
WSW	4	193	7	0	0	0	204	5.81
W	1	110	11	0	0	0	122	5.84
WNW	2	63	0	0	0	0	65	5.42
NW	0	37	3	0	0	0	40	5.92
NNW	0	34	7	6	0	0	47	7.77
Total	11	1464	401	166	17	0	2059	

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data for All : 149
Hours of No Stability Class : 23
Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10- 1 00:00 to 5-12-31 23:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

HOURS at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	9	1	1	0	0	11	6.74
NNE	0	3	3	1	0	0	7	8.33
NE	0	9	10	1	0	0	20	8.93
ENE	0	4	2	2	0	0	8	9.80
E	0	1	3	0	0	0	4	9.17
ESE	0	3	0	0	0	0	3	7.01
SE	0	2	1	0	0	0	3	6.55
SSE	1	5	0	0	0	0	6	6.28
S	0	1	3	1	0	0	5	10.72
SSW	0	3	2	0	0	0	5	7.05
SW	0	19	2	0	0	0	21	6.63
WSW	2	21	8	0	0	0	31	6.72
W	0	5	14	1	0	0	20	8.76
WNW	0	7	3	0	0	0	10	7.09
NW	0	8	9	2	0	0	19	9.14
NNW	0	2	5	3	2	0	12	12.71
Total	3	102	66	12	2	0	185	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 1
 Hours of Missing Data for All : 5
 Hours of No Stability Class : 26
 Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10- 1 00:00 to 5-12-31 23:00

Stability Class: B delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	1	3	4	2	1	0	11	10.41
NNE	0	5	2	6	1	0	14	12.17
NE	0	3	8	6	0	0	17	11.75
ENE	1	3	10	5	0	0	19	10.51
E	0	3	1	2	0	0	6	10.28
ESE	0	2	1	0	0	0	3	7.47
SE	0	0	0	0	0	0	0	0.00
SSE	0	1	0	0	0	0	1	6.39
S	0	6	7	0	0	0	13	8.59
SSW	1	4	2	1	0	0	8	8.43
SW	1	7	3	0	0	0	11	6.32
WSW	0	3	3	0	0	0	6	7.25
W	1	2	3	1	0	0	7	8.09
WNW	0	6	0	0	0	0	6	6.45
NW	0	4	3	1	0	0	8	9.21
NNW	3	4	3	0	2	0	12	8.96
Total	8	56	50	24	4	0	142	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 0
 Hours of Missing Data for All : 5
 Hours of No Stability Class : 26
 Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10- 1 00:00 to 5-12-31 23:00

Stability Class: C delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	4	11	5	6	1	0	27	8.71
NNE	1	2	9	10	2	0	24	12.96
NE	0	6	27	5	0	0	38	10.44
ENE	0	3	17	8	0	0	28	11.55
E	0	1	2	4	0	0	7	13.17
ESE	0	0	0	0	0	0	0	0.00
SE	1	1	0	0	0	0	2	4.28
SSE	0	1	1	0	0	0	2	7.25
S	0	7	4	0	0	0	11	7.50
SSW	1	2	4	0	0	0	7	8.64
SW	1	9	2	0	0	0	12	6.49
WSW	2	6	6	0	0	0	14	7.02
W	1	3	6	0	0	0	10	8.18
WNW	3	6	0	0	0	0	9	5.56
NW	1	5	2	0	0	0	8	5.90
NNW	0	1	0	0	0	0	1	5.93
Total	15	64	85	33	3	0	200	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 0
 Hours of Missing Data for All : 5
 Hours of No Stability Class : 26
 Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10- 1 00:00 to 5-12-31 23:00

Stability Class: D delta T/ delta z '61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	10	12	13	6	2	0	43	8.36
NNE	16	22	40	8	0	0	86	8.33
NE	2	21	101	24	0	0	148	10.61
ENE	3	27	81	22	0	0	133	10.25
E	1	34	35	9	0	0	79	8.90
ESE	1	14	5	0	0	0	20	6.60
SE	1	6	2	0	0	0	9	6.14
SSE	3	7	10	0	0	0	20	7.52
S	7	11	14	1	0	0	33	7.60
SSW	1	17	8	0	0	0	26	7.50
SW	5	13	11	0	0	0	29	6.97
WSW	9	23	14	0	0	0	46	6.29
W	5	28	16	0	0	0	49	6.85
WNW	10	14	7	0	0	0	31	5.87
NW	4	15	11	2	0	0	32	7.66
NNW	6	7	10	0	0	0	23	7.11
Total	84	271	378	72	2	0	807	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 0
 Hours of Missing Data for All : 5
 Hours of No Stability Class : 26
 Total hours of observation : 2208

JCINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10- 1 00:00 to 5-12-31 23:00

Stability Class: E delta T/ delta z '61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	3	4	4	0	0	0	11	6.38
NNE	5	6	0	0	0	0	11	4.19
NE	0	6	0	0	0	0	6	5.34
ENE	1	1	2	0	0	0	4	6.24
E	2	8	1	0	0	0	11	5.68
ESE	1	4	0	0	0	0	5	5.12
SE	3	10	1	0	0	0	14	5.97
SSE	5	21	3	0	0	0	29	5.65
S	4	16	3	0	0	0	23	5.68
SSW	7	30	0	0	0	0	37	4.97
SW	12	37	1	0	0	0	50	4.91
WSW	23	24	1	0	0	0	48	4.44
W	8	60	1	0	0	0	69	5.51
WNW	9	20	0	0	0	0	29	4.59
NW	8	3	1	0	0	0	12	4.17
NNW	8	5	1	0	0	0	14	4.47
Total	99	255	19	0	0	0	373	

Hours of Calm : 0
Hours of Varying Wind Direction : 0
Hours of Missing Data : 0
Hours of Missing Data for All : 5
Hours of No Stability Class : 26
Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10- 1 00:00 to 5-12-31 23:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	0	0	0	0	0	0	0.00
NNE	1	1	0	0	0	0	2	3.96
NE	0	2	0	0	0	0	2	6.16
ENE	0	0	0	0	0	0	0	0.00
E	1	1	0	0	0	0	2	4.45
ESE	1	0	0	0	0	0	1	3.16
SE	0	3	0	0	0	0	3	5.03
SSE	6	9	1	0	0	0	16	4.95
S	12	13	0	0	0	0	25	4.22
SSW	13	46	0	0	0	0	59	4.83
SW	11	12	0	0	0	0	23	4.13
WSW	15	14	0	0	0	0	29	3.84
W	10	10	0	0	0	0	20	3.72
WNW	9	2	0	0	0	0	11	3.17
NW	4	7	0	0	0	0	11	4.27
NNW	4	1	1	0	0	0	6	3.76
Total	87	121	2	0	0	0	210	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 0
 Hours of Missing Data for All : 5
 Hours of No Stability Class : 26
 Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10- 1 00:00 to 5-12-31 23:00

Stability Class: G delta T/ delta z '61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	1	0	0	0	0	0	1	3.87
ENE	0	0	0	0	0	0	0	0.00
E	0	1	0	0	0	0	1	5.21
ESE	0	1	0	0	0	0	1	5.29
SE	0	0	0	0	0	0	0	0.00
SSE	2	5	0	0	0	0	7	4.40
S	19	10	0	0	0	0	29	3.72
SSW	23	12	0	0	0	0	35	3.52
SW	39	15	0	0	0	0	54	3.28
WSW	47	10	0	0	0	0	57	3.04
W	46	17	0	0	0	0	63	3.42
WNW	9	4	0	0	0	0	13	3.53
NW	2	0	0	0	0	0	2	2.80
NNW	1	0	0	0	0	0	1	2.41
Total	189	75	0	0	0	0	264	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data : 0
 Hours of Missing Data for All : 5
 Hours of No Stability Class : 26
 Total hours of observation : 2208

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10- 1 00:00 to 5-12-31 23:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	18	39	27	15	4	0	103	8.29
NNE	23	39	57	25	3	0	147	9.17
NE	3	47	147	37	0	0	234	10.33
ENE	5	38	112	38	0	0	193	10.38
E	4	55	42	15	0	0	116	8.74
ESE	3	24	6	0	0	0	33	6.35
SE	5	22	4	0	0	0	31	5.88
SSE	17	49	16	0	0	0	82	6.01
S	42	64	31	2	0	0	139	6.06
SSW	46	115	17	1	0	0	179	5.40
SW	69	113	19	0	0	0	201	5.04
WSW	98	101	32	0	0	0	231	4.92
W	71	128	40	2	0	0	241	5.53
WNW	40	62	10	0	0	0	112	5.09
NW	19	42	26	5	0	0	92	6.98
NNW	22	20	20	3	4	0	69	7.49
Total	485	958	606	143	11	0	2203	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data for All : 5
 Hours of No Stability Class : 26
 Total hours of observation : 2208

TABLE 8

JOINT FREQUENCY DISTRIBUTION

BY QUARTER FOR 2005

(BATCH RELEASES)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 6-20 08:00 to 5- 6-20 10:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	1	9.13
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	1	0	0	0	1	

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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 6-20 08:00 to 5- 6-20 10:00

Stability Class: B delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 6-20 08:00 to 5- 6-20 10:00

Stability Class: C delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	2	0	0	0	2	10.32
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	2	0	0	0	2	

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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 6-20 08:00 to 5- 6-20 10:00

Stability Class: D delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 6-20 08:00 to 5- 6-20 10:00

Stability Class: E delta T/ delta z .61->10 m Delta T With Substitution

Wind Sensor Height : 10 meter

+++ Batch Release Times Only +++

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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							:	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 hours of observation							:	3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 6-20 08:00 to 5- 6-20 10:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 6-20 08:00 to 5- 6-20 10:00

Stability Class: G delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-02-15

Data Period : 5- 6-20 08:00 to 5- 6-20 10:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	3	0	0	0	3	9.93
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	3	0	0	0	3	

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

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-25 13:00 to 5-10-25 14:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	1	10.28
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	1	0	0	0	1	

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 hours of observation : 2

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-25 13:00 to 5-10-25 14:00

Stability Class: B delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 2

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-25 13:00 to 5-10-25 14:00

Stability Class: C delta T/ delta z '61->10 m Delta T With Substitution

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

HOURS at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 2

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-25 13:00 to 5-10-25 14:00

Stability Class: D delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	1	9.12
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	1	0	0	0	1	

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 hours of observation : 2

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-25 13:00 to 5-10-25 14:00

Stability Class: E delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 2

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-25 13:00 to 5-10-25 14:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 2

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-25 13:00 to 5-10-25 14:00

Stability Class: G delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 2

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-25 13:00 to 5-10-25 14:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	1	9.12
WNW	0	0	1	0	0	0	1	10.28
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	2	0	0	0	2	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data for All : 0
 Hours of No Stability Class : 0
 Total hours of observation : 2

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-31 15:00 to 5-10-31 17:00

Stability Class: A delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 3

JCINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-31 15:00 to 5-10-31 17:00

Stability Class: B delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	6.68
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	1	0	0	0	0	1	

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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-31 15:00 to 5-10-31 17:00

Stability Class: C delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	6.42
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	1	0	0	0	0	1	

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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-31 15:00 to 5-10-31 17:00

Stability Class: D delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- ----- <4	4- ----- <8	8- ----- <13	13- ----- <19	19- ----- 24	>24 -----		
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	1	0	0	0	0	1	5.27
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	1	0	0	0	0	1	

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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-31 15:00 to 5-10-31 17:00

Stability Class: E delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	:						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 hours of observation	:						3	

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-31 15:00 to 5-10-31 17:00

Stability Class: F delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 3

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-31 15:00 to 5-10-31 17:00

Stability Class: G delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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							:	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 hours of observation							:	3

JCINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-10-31 15:00 to 5-10-31 17:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	5.27
S	0	1	0	0	0	0	1	6.42
SSW	0	1	0	0	0	0	1	6.68
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	3	0	0	0	0	3	

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

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 1 14:00 to 5-11- 1 17:00

Stability Class: A delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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							:	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 hours of observation							:	4

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 1 14:00 to 5-11- 1 17:00

Stability Class: B delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	:						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 hours of observation	:						4	

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 1 14:00 to 5-11- 1 17:00

Stability Class: C delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 4

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 1 14:00 to 5-11- 1 17:00

Stability Class: D delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	2	0	0	0	0	0	2	3.50
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	1	0	0	0	0	0	1	3.42
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	3.91
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	4	0	0	0	0	0	4	

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 hours of observation : 4

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 1 14:00 to 5-11- 1 17:00

Stability Class: E delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	:						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 hours of observation	:						4	

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 1 14:00 to 5-11- 1 17:00

Stability Class: F delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 :								
Hours of Varying Wind Direction :								
Hours of Missing Data :								
Hours of Missing Data for All :								
Hours of No Stability Class :								
Total hours of observation :								

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 1 14:00 to 5-11- 1 17:00

Stability Class: G delta T/ delta z '61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	:						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 hours of observation	:						4	

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 1 14:00 to 5-11- 1 17:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

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

HOURS at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	2	0	0	0	0	0	2	3.50
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	1	0	0	0	0	0	1	3.42
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	3.91
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	4	0	0	0	0	0	4	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data for All : 0
 Hours of No Stability Class : 0
 Total hours of observation : 4

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 2 14:00 to 5-11- 2 17:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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							:	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 hours of observation							:	4

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 2 14:00 to 5-11- 2 17:00

Stability Class: B delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	:						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 hours of observation	:						4	

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 2 14:00 to 5-11- 2 17:00

Stability Class: C delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 4

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 2 14:00 to 5-11- 2 17:00

Stability Class: D delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	0	2	0	0	0	2	11.40
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	1	0	0	0	0	1	6.46
NNW	0	0	1	0	0	0	1	10.51
Total	0	1	3	0	0	0	4	
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 hours of observation	:						4	

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 2 14:00 to 5-11- 2 17:00

Stability Class: E delta T/ delta z 61->10 m Delta T With Substitution

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

HOURS at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	:						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 hours of observation	:						4	

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 2 14:00 to 5-11- 2 17:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 4

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 2 14:00 to 5-11- 2 17:00

Stability Class: G delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 4

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-11- 2 14:00 to 5-11- 2 17:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	0	2	0	0	0	2	11.40
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	1	0	0	0	0	1	6.46
NNW	0	0	1	0	0	0	1	10.51
Total	0	1	3	0	0	0	4	
Hours of Calm							:	0
Hours of Varying Wind Direction							:	0
Hours of Missing Data for All							:	0
Hours of No Stability Class							:	0
Total hours of observation							:	4

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-16 14:00 to 5-12-16 18:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	5.78
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	1	0	0	0	0	1	

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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-16 14:00 to 5-12-16 18:00

Stability Class: B delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-16 14:00 to 5-12-16 18:00

Stability Class: C delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	6.42
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	1	0	0	0	0	1	

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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-16 14:00 to 5-12-16 18:00

Stability Class: D delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	4.90
W	0	1	0	0	0	0	1	4.91
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	
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 hours of observation	:						5	

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-16 14:00 to 5-12-16 18:00

Stability Class: E delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	0	1	2.75
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	1	0	0	0	0	0	1	

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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-16 14:00 to 5-12-16 18:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-16 14:00 to 5-12-16 18:00

Stability Class: G delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-16 14:00 to 5-12-16 18:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	3	0	0	0	0	4	4.96
W	0	1	0	0	0	0	1	4.91
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	1	4	0	0	0	0	5	

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

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-20 11:00 to 5-12-20 16:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 6

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-20 11:00 to 5-12-20 16:00

Stability Class: B delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 6

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-20 11:00 to 5-12-20 16:00

Stability Class: C delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	1	1	0	0	0	0	2	4.14
NNE	0	0	0	0	0	0	0	0.00
NE	0	1	0	0	0	0	1	6.62
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	1	2	0	0	0	0	3	

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 hours of observation : 6

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-20 11:00 to 5-12-20 16:00

Stability Class: D delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	0	2	0	0	0	0	2	4.22
NNE	0	1	0	0	0	0	1	6.14
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	3	0	0	0	0	3	

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 hours of observation : 6

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-20 11:00 to 5-12-20 16:00

Stability Class: E delta T/ delta z 61->10 m Delta T With Substitution

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

HOURS at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 6

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-20 11:00 to 5-12-20 16:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	:						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 hours of observation	:						6	

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-20 11:00 to 5-12-20 16:00

Stability Class: G delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 6

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-20 11:00 to 5-12-20 16:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
N	1	3	0	0	0	0	4	4.18
NNE	0	1	0	0	0	0	1	6.14
NE	0	1	0	0	0	0	1	6.62
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	1	5	0	0	0	0	6	

Hours of Calm : 0
 Hours of Varying Wind Direction : 0
 Hours of Missing Data for All : 0
 Hours of No Stability Class : 0
 Total hours of observation : 6

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-29 10:00 to 5-12-29 14:00

Stability Class: A delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	1	8.32
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	1	0	0	0	1	

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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-29 10:00 to 5-12-29 14:00

Stability Class: B delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	6.87
WNW	0	1	0	0	0	0	1	7.50
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	

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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-29 10:00 to 5-12-29 14:00

Stability Class: C delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	7.99
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 : 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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-29 10:00 to 5-12-29 14:00

Stability Class: D delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	1	0	0	0	0	1	7.10
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	1	0	0	0	0	1	

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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-29 10:00 to 5-12-29 14:00

Stability Class: E delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-29 10:00 to 5-12-29 14:00

Stability Class: F delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-29 10:00 to 5-12-29 14:00

Stability Class: G delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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 : 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 hours of observation : 5

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 06-04-11

Data Period : 5-12-29 10:00 to 5-12-29 14:00

Stability Class:ALL delta T/ delta z 61->10 m Delta T With Substitution

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

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Total'	Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24		
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	2	0	0	0	0	2	6.99
WNW	0	2	1	0	0	0	3	7.94
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	4	1	0	0	0	5	

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