

Thomas D. Gatlin

General Manager, Nuclear Plant Operations

803.345.4342



April 29, 2009

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 RADIOACTIVE EFFLUENT RELEASE REPORT

Enclosed is the South Carolina Electric & Gas Company (SCE&G) Annual Radioactive Effluent Release Report as required by 10CFR50.36a and Section 6.9.1.8 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, 2008.

Should there be any questions, please contact Ms. Susan B. Reese at (803) 345-4591.

Very truly yours,

Thomas D. Gatlin

SBR/TDG/cm  
Enclosures

c: w/o enclosure unless noted

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VIRGIL C. SUMMER  
JENKINSVILLE, SOUTH CAROLINA

**ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT  
VIRGIL C. SUMMER NUCLEAR STATION**

**FOR THE OPERATING PERIOD  
JANUARY 1, 2008 - DECEMBER 31, 2008**

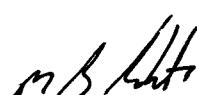
**APRIL 2009**



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# **ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY – DECEMBER, 2008**

## **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 Technical Specifications Section 6.9.1.8, Offsite Dose Calculation Manual (ODCM) Section 1.6.2 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 2008 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. There were no ODCM Reportable Incidences. Section K gives the status of Supplemental Groundwater Monitoring.

### **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 ( $E_{\bar{}}^{\bar{}}$  bar) 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 RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY – DECEMBER, 2008**

## **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, 5.6 days of 6-inch Reactor Building purge releases, 34.6 days of 36-inch Reactor Building purge releases and a continuous 12-month Main Plant vent release. Oil incineration for 194.7 hours in 2008. 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 2.39E-04 mrad for gamma during the second quarter and 2.78E-4 mrad for beta during the fourth quarter. The maximum quarterly organ dose attributed to the releases was 2.17E-03 mrem for the second quarter. Cumulative annual dose was 4.31E-04 mrad, 5.04E-4 mrad and 2.17E-03 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 222 Waste Monitor Tank batch releases, 24 Condensate Backwash Receiver Tank batch releases, 1 NaOH batch release, 23.2 days of Steam Generator Blowdown release and a continuous Turbine Building Sump release.

# **ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY – DECEMBER, 2008**

## **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 5.40E-3 mrem during the first quarter. The highest organ dose was 5.51E-3 mrem to the LIVER for the first quarter.

Cumulative annual doses for the hypothetical maximally exposed individual were 7.58E-3 mrem for the total body and 7.76E-3 mrem for the LIVER, 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 2008 quarterly dose rates did not differ significantly from the pre-operational or 2007 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 2.03E-5 and 2.37E-5 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 RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY – DECEMBER, 2008**

## **VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS**

### **F. Abnormal Releases**

During 2008, the plant had no abnormal releases.

### **G. Meteorology**

The meteorology data for 2008 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 99.7%. Primary variable recovery rates were as follows: wind direction (10 m) – 99.7%, wind speed (10 m) – 99.7%, and differential temperature (61 - 10 m) – 99.7%.

### **H. Offsite Dose Calculation Manual**

The Virgil C. Summer Nuclear Station ODCM was not revised in 2008.

### **I. Oil Incineration**

The incinerator operated for a period of 194.7 hours, burning 1099 gallons of oil at the average rate of 5.64 gal/hr. The incinerated oil contained concentrations of 1.65E-08 uCi/ml for Co-60, 1.38E-8 uCi/ml for Cs-134 and 1.07E-08 uCi/ml for Cs-137. The dose to the maximum exposed individual from the incinerated oil was 1.96E-06 mrem.

### **J. Offsite Dose Calculation Manual Reportable Incidences**

There were no ODCM Reportable Incidences in 2008.

# **ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY – DECEMBER, 2008**

## **VIRGIL C. SUMMER NUCLEAR STATION SOUTH CAROLINA ELECTRIC & GAS**

### **K. Supplemental Groundwater Monitoring**

#### **New Plant Site**

The station was preparing a Combined Operating License Application for two new units. Groundwater monitoring wells were installed to support this application. Limited sampling of these wells for chemical and radiological analysis began in July of 2007. Tritium was identified in a single well location 1.03 miles SSW of the existing unit at a maximum concentration of 2.88E+03 pCi/l. A single sample from a paired adjacent deep well indicated 5.19E+02 pCi/l.

Condensate Polisher resin was disposed of in this area in 1994 under a 10 CFR 20.302(a) application approved by South Carolina Department of Health and Environmental Control. This is the suspected cause of the groundwater contamination.

Sixteen additional wells in the surrounding area were sampled with no activation or fission products identified above Minimum Detectable Activity (MDA) when analyzed to the Environmental Lower Limits of Detection (LLD).

#### **Unit 1 Dewatering System**

The station has experienced issues with groundwater intrusion in to plant buildings and structures. In 2008, a modification was implemented to install fourteen dewatering wells. Soil and water samples were collected and analyzed during the drilling of these wells.

Groundwater samples were collected prior to and following each incremental pump down of these wells.

No activation or fission products above MDA were identified when analyzed to the Environmental LLD.

**ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY – DECEMBER, 2008**

**VIRGIL C. SUMMER NUCLEAR STATION  
SOUTH CAROLINA ELECTRIC & GAS**

**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 RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY – DECEMBER, 2008**

## **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 2E-4  $\mu\text{Ci}/\text{ml}$  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 RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY – DECEMBER, 2008**

**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:**

76	For first quarter, 2008
116	For second quarter, 2008
29	For third quarter, 2008
26	For fourth quarter, 2008

**2. Total time period for batch releases:**

5.74E+03	min. for first quarter, 2008
8.42E+03	min. for second quarter, 2008
2.19E+03	min. for third quarter, 2008
1.89E+03	min. for fourth quarter 2008

**3. Maximum time period for a batch release:**

8.20E+01	min. for first quarter, 2008
1.31E+02	min. for second quarter, 2008
9.10E+01	min. for third quarter, 2008
8.00E+01	min. for fourth quarter, 2008

**ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY – DECEMBER, 2008**

**VIRGIL C. SUMMER NUCLEAR STATION  
SOUTH CAROLINA ELECTRIC & GAS**

**4. Average time period for batch releases:**

7.56E+01 min. for first quarter, 2008  
7.26E+01 min. for second quarter, 2008  
7.56E+01 min. for third quarter, 2008  
7.26E+01 min. for fourth quarter, 2008

**5. Minimum time period for a batch release:**

7.00E+01 min. for first quarter, 2008  
3.50E+01 min. for second quarter, 2008  
6.90E+01 min. for third quarter, 2008  
1.00E-01 min. for fourth quarter, 2008 \*

\* Release terminated by Radiation Monitor.

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

7.03E+06 gpm for first quarter, 2008  
6.96E+06 gpm for second quarter, 2008  
1.22E+07 gpm for third quarter, 2008  
7.46E+06 gpm for fourth quarter, 2008

**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 RADIOACTIVE EFFLUENT RELEASE REPORT**  
**January - December 2008**

***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	2008 TOTAL	EST. ERROR %
<b>A. Fission &amp; Activation Gases</b>							
1. Total release	Ci	2.02E-03	7.14E-01	0.00E+00	7.30E-01	1.45E+00	24.35
2. Average release rate	uCi / sec	2.57E-04	9.08E-02	0.00E+00	9.19E-02	4.58E-02	
3. Percent ODCM Qtr. gamma air dose limit	%	4.60E-05	4.79E-03	0.00E+00	3.78E-03	N/A	
4. Percent ODCM annual gamma air dose limit	%	2.30E-05	2.42E-03 *	2.42E-03 *	4.31E-03 *	4.31E-03	
5. Percent ODCM Qtr. beta air dose limit	%	9.61E-06	2.25E-03	0.00E+00	2.78E-03	N/A	
6. Percent ODCM annual beta air dose limit	%	4.81E-06	1.13E-03 *	1.13E-03 *	2.52E-03 *	2.52E-03	
<b>B. Iodines</b>							
1. Total iodine - 131	Ci	0.00E+00	2.01E-05	0.00E+00	0.00E+00	2.01E-05	
2. Average release rate	uCi / sec	0.00E+00	2.56E-06	0.00E+00	0.00E+00	6.38E-07	51.72
<b>C. Particulates</b>							
1. Particulates with half - lifes > 8 days	Ci	0.00E+00	2.92E-06	0.00E+00	0.00E+00	2.92E-06	
2. Average release rate	uCi / sec	0.00E+00	3.71E-07	0.00E+00	0.00E+00	9.25E-08	
3. Gross alpha radioactivity	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
<b>D. Tritium</b>							
1. Total release	Ci	1.22E-03	3.41E+00	0.00E+00	3.49E-04	3.41E+00	
2. Average release rate	uCi / sec	1.55E-04	4.34E-01	0.00E+00	4.39E-05	1.08E-01	28.14
<b>E. Organ Dose (from B,C, and D)</b>							
1. Percent ODCM Qtr. organ dose limit	%	8.57E-06	2.89E-02	0.00E+00	2.46E-06	N/A	
2. Percent ODCM annual organ dose limit	%	4.28E-06	1.45E-02 *	1.45E-02 *	1.45E-02 *	1.45E-02	

\* Cumulative

**ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY - DECEMBER, 2008**

**TABLE 2**

**GASEOUS EFFLUENTS -- GROUND-LEVEL RELEASES**

Nuclides Released	Units	Continuous Mode				Batch Mode				Annual Total
		First Quarter	Second Quarter	Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
<b>1 Fission gases</b>										
Krypton-85	Ci	0	0	0	0	0	0	0	0	0
Krypton-85m	Ci	0	0	0	7.27E-02	7.27E-02	0	0	0	0
Krypton-87	Ci	0	0	0	0	0	0	0	0	0
Krypton-88	Ci	0	0	0	0	0	0	0	0	0
Xenon-131m	Ci	0	0	0	0	0	0	0	0	0
Xenon-133	Ci	8.08E-04	4.93E-01	0	2.62E-01	7.56E-01	0	0	0	0
Xenon-133m	Ci	0	0	0	0	0	0	0	0	0
Xenon-135	Ci	0	1.39E-01	0	3.95E-01	5.34E-01	0	0	0	0
Xenon-135m	Ci	0	0	0	0	0	0	0	0	0
Xenon-138	Ci	0	0	0	0	0	0	0	0	0
Other: Ar-41	Ci	1.21E-03	8.14E-02	0	5.10E-04	8.31E-02	0	0	0	0
Unidentified: None	Ci	0	0	0	0	0	0	0	0	0
Total for Period	Ci	2.02E-03	7.14E-01	0	7.30E-01	1.45E+00	0	0	0	0
<b>2 Iodines and other halogens</b>										
Iodine-131	Ci	0	2.01E-05	0	0	2.01E-05	0	0	0	0
Iodine-132	Ci	0	6.39E-05	0	0	6.39E-05	0	0	0	0
Iodine-133	Ci	0	0	0	0	0	0	0	0	0
Br-82	Ci	0	0	0	0	0	0	0	0	0
Unidentified: None	Ci	0	0	0	0	0	0	0	0	0
Total for Period	Ci	0	8.40E-05	0	0	8.40E-05	0	0	0	0
<b>3 Particulates</b>										
Cromium-51	Ci	0	0	0	0	0	0	0	0	0
Manganese-54	Ci	0	0	0	0	0	0	0	0	0
Cobalt-58	Ci	0	0	0	0	0	0	0	0	0
Cobalt-60	Ci	0	0	0	0	0	0	0	0	0
Stronium-89	Ci	0	0	0	0	0	0	0	0	0
Stronium-90	Ci	0	0	0	0	0	0	0	0	0
Niobium-95	Ci	0	0	0	0	0	0	0	0	0
Cesium-134	Ci	0	0	0	0	0	0	0	0	0
Cesium-137	Ci	0	0	0	0	0	0	0	0	0
Other: Be-7	Ci	0	2.92E-06	0	0	2.92E-06	0	0	0	0
Unidentified: None	Ci	0	0	0	0	0	0	0	0	0
Total for Period	Ci	0	2.92E-06	0	0	2.92E-06	0	0	0	0

**ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**  
**JANUARY-DECEMBER, 2008**

**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	2008 TOTAL	EST. ERROR %
<b>A. Fission &amp; Activation Products</b>							
1. Total release	Ci	6.83E-03	1.05E-02	4.12E-03	1.46E-03	2.29E-02	21.24
2. Average diluted concentration	uCi/ml	2.14E-11	2.75E-11	1.11E-11	4.66E-12	1.65E-11	
<b>B. Tritium</b>							
1. Total release	Ci	5.94E+02	1.84E+02	1.37E+01	5.30E+01	8.45E+02	18.09
2. Average diluted concentration	uCi/ml	1.86E-06	4.83E-07	3.68E-08	1.69E-07	6.10E-07	
<b>C. Dissolved and entrained gases</b>							
1. Total release	Ci	1.42E-02	1.22E-02	2.68E-06	0.00E+00	2.64E-02	18.24
2. Average diluted concentration	uCi/ml	4.44E-11	3.21E-11	7.22E-15	0.00E+00	1.91E-11	
3. Percent ODCM limit ( 2.0E-4 uCi/ml )	%	2.22E-05	1.61E-05	3.61E-09	0.00E+00	9.54E-06	
<b>D. Gross alpha radioactivity</b>							
1. Total release	Ci	0	0	0	0	0	N/A
<b>E. ODCM limits ( from A and B )</b>							
1. Percent of ODCM Qtr total body limit	%	3.60E-01	1.13E-01	4.77E-03	2.81E-02	N/A	
2. Percent of ODCM annual total body limit	%	1.80E-01	2.36E-01 *	2.39E-01 *	2.53E-01 *	2.53E-01 *	
3. Percent of ODCM Qtr max. organ limit**	%	1.10E-01	3.50E-02	3.24E-03	8.99E-03	N/A	
4. Percent of ODCM annual max. organ limit**	%	5.51E-02	6.91E-02 *	7.07E-02 *	7.76E-02 *	7.76E-02 *	
<b>E. Volume of waste released (undiluted)</b>	liters	8.24E+06	3.05E+07	1.11E+07	8.43E+06	5.82E+07	3.0
<b>F. Volume of dilution water</b>	liters	3.20E+11	3.81E+11	3.72E+11	3.14E+11	1.39E+12	4.3

\* Cumulative

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

**ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**

JANUARY - DECEMBER, 2008

*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	Ci	0	0	0	0	0	1.21E-05	3.02E-05	0	8.74E-07	4.32E-05	
Strontium-90	Ci	0	0	0	0	0	2.48E-05	2.27E-05	3.81E-06	1.24E-06	5.26E-05	
Cesium-134	Ci	0	0	0	0	0	2.85E-04	6.41E-05	3.36E-05	6.49E-05	4.48E-04	
Cesium-137	Ci	0	0	0	0	0	5.25E-04	1.30E-04	6.76E-05	1.39E-04	8.62E-04	
Iodine-131	Ci	0	0	0	0	0	2.56E-06	6.20E-07	0	0	3.18E-06	
Cobalt-57	Ci	0	0	0	0	0	5.06E-07	0	0	7.30E-07	1.24E-06	
Cobalt-58	Ci	0	0	0	0	0	8.26E-05	6.36E-04	5.18E-04	2.91E-04	1.53E-03	
Cobalt-60	Ci	0	0	0	0	0	2.45E-03	1.01E-03	6.40E-04	4.44E-04	4.54E-03	
Iron-59	Ci	0	0	0	0	0	0	5.53E-06	0	0	5.53E-06	
Zinc-65	Ci	0	0	0	0	0	0	2.21E-06	2.58E-06	0	4.79E-06	
Manganese-54	Ci	0	0	0	0	0	2.02E-04	1.09E-04	1.23E-04	9.13E-05	5.25E-04	
Chromium-51	Ci	0	0	0	0	0	1.28E-04	6.42E-04	1.38E-04	0	9.08E-04	
Zirconium-Niobium-95	Ci	0	0	0	0	0	4.61E-05	2.37E-04	2.78E-04	6.66E-05	6.27E-04	
Niobium-95m	Ci	0	0	0	0	0	1.06E-06	0	0	0	1.06E-06	
Zirconium-97	Ci	0	0	0	0	0	0	1.35E-05	0	0	1.35E-05	
Technetium-99m	Ci	0	0	0	0	0	1.82E-06	0	0	0	1.82E-06	
Cerium-144	Ci	0	0	0	0	0	0	1.03E-05	0	4.15E-06	1.45E-05	
Other:	Fe-55	Ci	0	0	0	0	0	2.84E-03	2.45E-03	1.41E-03	2.27E-04	6.93E-03
	Se-75	Ci	0	0	0	0	0	0	3.62E-06	0	0	3.62E-06
	As-76	Ci	0	0	0	0	0	0	3.75E-05	0	0	3.75E-05
	Ge-77	Ci	0	0	0	0	0	0	8.14E-06	0	0	8.14E-06
	Rb-88	Ci	0	0	0	0	0	0	6.26E-05	0	0	6.26E-05
	Ru-106	Ci	0	0	0	0	0	0	1.01E-05	0	0	1.01E-05
	Ag-110m	Ci	0	0	0	0	0	2.87E-06	4.37E-06	6.58E-07	4.27E-07	8.33E-06
	Sb-122	Ci	0	0	0	0	0	0	2.03E-06	0	0	2.03E-06
	Sb-124	Ci	0	0	0	0	0	0	4.74E-05	0	0	4.74E-05
	Sb-125	Ci	0	0	0	0	0	2.17E-04	2.77E-04	6.03E-05	1.27E-04	6.81E-04
	Sb-126	Ci	0	0	0	0	0	0	8.18E-05	0	0	8.18E-05
	Te-123m	Ci	0	0	0	0	0	2.00E-06	6.69E-05	1.11E-05	0	8.00E-05
	Te-125m	Ci	0	0	0	0	0	0	3.74E-03	8.26E-04	0	4.57E-03
	Te-129m	Ci	0	0	0	0	0	0	1.61E-04	7.17E-06	0	1.68E-04
	Te-132	Ci	0	0	0	0	0	0	3.12E-04	0	0	3.12E-04
	I-132	Ci	0	0	0	0	0	0	3.01E-04	0	0	3.01E-04
	I-133	Ci	0	0	0	0	0	1.85E-06	0	0	0	1.85E-06
Total for Period (above)	Ci	0	0	0	0	0	6.83E-03	1.05E-02	4.12E-03	1.46E-03	2.29E-02	
Kr-85m	Ci	0	0	0	0	0	0	3.81E-05	0	0	3.81E-05	
Kr-88	Ci	0	0	0	0	0	0	2.71E-05	0	0	2.71E-05	
Xenon-131m	Ci	0	0	0	0	0	2.47E-05	0	0	0	2.47E-05	
Xenon-133	Ci	0	0	0	0	0	1.39E-02	1.13E-02	2.68E-06	0	2.52E-02	
Xenon-133m	Ci	0	0	0	0	0	1.38E-04	2.03E-04	0	0	3.41E-04	
Xenon-135	Ci	0	0	0	0	0	1.10E-04	6.89E-04	0	0	7.99E-04	
Total Entrained Gases	Ci	0	0	0	0	0	1.42E-02	1.23E-02	2.68E-06	0	2.64E-02	

\*Tritium not included. See Table 3 for tritium numbers ----- No Unidentified nuclides found

**ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**  
**January - December, 2008**

*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	2008 Total	Est. Total Error, %
a. Spent resins, filters, sludge, evaporator bottoms, etc.	m3 Ci	30.2 1.41E+02	+/-25
b. Dry compressible waste contaminated equip., etc.	m3 Ci	185.9 8.45E-01	+/-25
c. Irradiated components, control rods, etc.	m3 Ci	0 0	N/A
d. Other (carpet)	m3 Ci	1.13 1.49E-03	+/-25

2. Estimate of major nuclide composition for the year (by type of waste) for concentrations above 1.0%. Activities for nuclides are in Curies.

a.	Fe-55	40.8%	5.76E+01
	Ni-63	17.8%	2.51E+01
	Cs-137	15.4%	2.18E+01
	Cs-134	10.4%	1.46E+01
	Co-60	9.5%	1.33E+01
	Mn-54	3.4%	4.78E+00
	Sb-125	1.1%	1.53E+00
b.	Fe-55	44.7%	3.78E-01
	Co-60	21.4%	1.81E-01
	Ni-63	14.2%	1.20E-01
	Mn-54	3.8%	3.24E-02
	C-14	3.1%	2.62E-02
	Nb-95	2.7%	2.27E-02
	Co-58	2.5%	2.14E-02
	Zr-95	2.0%	1.72E-02
	Cs-134	1.6%	1.34E-02
	Cs-137	1.6%	1.38E-02
c.	None	N/A	N/A
d.	Fe-55	38.5%	5.76E-04
	Co-60	25.6%	3.83E-04
	Ni-63	15.7%	2.35E-04
	Nb-95	4.3%	6.43E-05
	Mn-54	4.0%	5.95E-05
	Co-58	2.9%	4.28E-05
	Zr-95	2.7%	4.00E-05

**ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**  
**January - December, 2008**

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

**Table 5**

**SOLID WASTE AND IRRADIATED FUEL SHIPMENTS**

Cs-137	1.6%	2.41E-05
Cs-134	1.4%	2.02E-05
C-14	1.3%	1.91E-05

**3A. Solid Waste Disposition**

Numbers of Shipments	Mode of Transportation	Destination
6	Hittman Trucking	Energy Solutions Tn
3	Hittman Trucking	Barnwell, S.C.
2	Studsvik Logistics	Studsvik Tn

**Notes:**

One (1) drum from shipment 08-055 had to be shipped for disposal in Barnwell.  
One (1) 20ft CVAN of asbestos filters was returned to VCS and then shipped to Energy Solutions in Tn.

Six (6) partial shipments of DAW were made from Studsvik (Memphis, Tn) to Envirocare.

Nineteen (19) partial shipments were made from Energy Solutions, Tn to Envirocare.

**3B. Irradiated Fuel Shipments (Disposition)**

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

**ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT**

**JANUARY - DECEMBER 2008**

***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.	2.30E-06 mrad	4.60E-05 2.30E-05	2.39E-04 mrad	4.79E-03 2.42E-03 *	0.00E+00 mrad	0.00E+00 2.42E-03 *	1.89E-04 mrad	3.78E-03 4.31E-03 *	4.31E-04	
1.2.3.1.a,b	10 mrad beta / qtr. 20 mrad beta / yr.	9.61E-07 mrad	9.61E-06 4.81E-06	2.25E-04 mrad	2.25E-03 1.13E-03 *	0.00E+00 mrad	0.00E+00 1.13E-03 *	2.78E-04 mrad	2.78E-03 2.52E-03 *	5.04E-04	
1.2.4.1.a,b	7.5 mrem organ/qtr 15 mrem organ/yr.	6.43E-07 mrem**	8.57E-06 4.28E-06	2.17E-03 mrem**	2.89E-02 1.45E-02 *	0.00E+00 mrem**	0.00E+00 1.45E-02 *	1.84E-07 mrem**	2.46E-06 1.45E-02 *	2.17E-03	
1.1.3.1a,b	LIQUID LIMITS		5.40E-03 mrem	3.60E-02 1.80E-01	1.69E-03 mrem	1.13E-01 2.36E-01 *	7.15E-05 mrem	4.77E-03 2.39E-01 *	4.21E-04 mrem	2.81E-02 2.53E-01 *	7.58E-03
	1.5 mrem / qtr. 3 mrem / yr.	5.51E-03 mrem (Liver)	1.10E-01 5.51E-02	1.75E-03 mrem (GI-LLI)	3.50E-02 6.91E-02 *	1.62E-04 mrem (GI-LLI)	3.24E-03 7.07E-02 *	4.50E-04 mrem (Liver)	8.99E-03 7.76E-02 *	7.76E-03 (Liver)	

\* Includes contribution from previous quarters

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

**TABLE 7**

**JOINT FREQUENCY DISTRIBUTION**

**BY QUARTER FOR 2008**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1- 1 00:00 to 8- 3-31 23:00

Stability Class: A delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	4	2	0	0	13.25
NNE	0	0	6	5	0	0	12.91
NE	0	1	2	4	0	0	12.96
ENE	0	0	5	0	0	0	10.58
E	0	0	2	0	0	0	10.17
ESE	1	0	1	0	0	0	6.11
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	1	0	2	0	0	13.47
SSW	0	1	1	1	0	0	9.38
SW	0	3	7	0	0	0	9.39
WSW	0	7	23	5	0	0	9.68
W	0	4	11	8	0	0	11.08
WNW	0	8	6	1	0	0	8.52
NW	0	3	6	1	0	0	9.91
NNW	1	4	4	3	0	0	9.71
Total	2	32	78	32	0	0	144

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 : 2184

TABLE 7  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1- 1 00:00 to 8- 3-31 23:00

Stability Class: B delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	5	4	3	0	0	10.04
NNE	0	2	5	4	0	0	11.43
NE	0	3	2	0	0	0	8.25
ENE	0	1	2	0	0	0	9.25
E	0	0	2	0	0	0	11.96
ESE	0	0	1	0	0	0	9.24
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	1	1	0	0	12.66
SSW	0	1	4	0	0	0	9.81
SW	0	5	5	0	0	0	7.25
WSW	0	12	8	1	0	0	8.58
W	0	7	5	1	0	0	8.30
WNW	0	7	5	0	0	0	7.23
NW	1	4	4	1	0	0	8.06
NNW	1	0	3	2	1	0	12.36
Total	2	47	51	13	1	0	114

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 : 2184

TABLE 7  
 FIRST QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1- 1 00:00 to 8- 3-31 23:00

Stability Class: C delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	3	2	3	1	0	9	11.92
NNE	0	3	3	8	0	0	14	12.39
NE	0	6	4	19	0	0	29	12.37
ENE	0	1	4	1	0	0	6	10.60
E	0	2	4	0	0	0	6	8.31
ESE	0	1	0	0	0	0	1	5.03
SE	0	1	1	0	0	0	2	6.44
SSE	0	0	0	0	0	0	0	0.00
S	1	1	7	5	1	0	15	12.40
SSW	1	6	6	2	0	0	15	8.75
SW	0	12	3	1	0	0	16	7.03
WSW	1	6	5	2	0	0	14	8.73
W	1	3	6	1	0	0	11	9.56
WNW	0	6	5	0	0	0	11	7.44
NW	0	1	2	1	0	0	4	10.87
NNW	2	2	5	5	1	0	15	10.64
Total	6	54	57	48	3	0	168	

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 : 2184

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-1-1 00:00 to 8-3-31 23:00

Stability Class: D delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Mean Speed
N	11	11	13	4	1	0	40	7.71
NNE	2	15	20	7	0	0	44	9.27
NE	6	15	35	21	0	0	77	10.13
ENE	1	15	29	21	0	0	66	10.96
E	1	11	25	0	0	0	37	8.25
ESE	2	20	8	0	0	0	30	7.14
SE	3	15	2	0	0	0	20	5.70
SSE	5	15	12	1	0	0	33	7.04
S	9	28	37	11	1	0	86	9.26
SSW	10	29	26	14	0	0	79	8.52
SW	13	38	14	3	0	0	68	6.61
WSW	11	16	13	2	0	0	42	6.78
W	18	39	40	1	0	0	98	7.28
WNW	14	21	8	0	0	0	43	5.45
NW	9	20	13	1	0	0	43	6.81
NNW	4	5	12	3	2	0	26	9.53
Total	119	313	307	89	4	0	832	

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 : 2184

TABLE 7  
 FIRST QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1- 1 00:00 to 8- 3-31 23:00

Stability Class: E delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	10	8	4	1	0	0	23 5.64
NNE	8	16	5	0	0	0	29 5.72
NE	4	7	2	0	0	0	13 5.63
ENE	2	3	1	0	0	0	6 4.65
E	0	5	0	0	0	0	5 6.27
ESE	2	6	4	0	0	0	12 6.66
SE	0	18	1	0	0	0	19 6.22
SSE	7	14	4	0	0	0	25 5.69
S	14	18	15	0	0	0	47 6.01
SSW	15	54	20	1	0	0	90 6.63
SW	37	39	2	0	0	0	78 4.41
WSW	41	44	3	0	0	0	88 4.39
W	18	51	7	0	0	0	76 5.55
WNW	14	7	0	0	0	0	21 3.53
NW	0	8	0	0	0	0	8 5.26
NNW	6	7	2	0	0	0	15 5.13
Total	178	305	70	2	0	0	555

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 : 2184

TABLE 7  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1- 1 00:00 to 8- 3-31 23:00

Stability Class: F delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	3	1	0	0	0	0	4	3.77
NNE	4	4	0	0	0	0	8	4.21
NE	3	1	1	0	0	0	5	4.47
ENE	2	1	0	0	0	0	3	4.05
E	1	0	0	0	0	0	1	2.28
ESE	1	0	0	0	0	0	1	3.21
SE	6	5	0	0	0	0	11	4.45
SSE	10	11	0	0	0	0	21	4.15
S	7	30	0	0	0	0	37	5.07
SSW	12	19	0	0	0	0	31	4.06
SW	20	12	0	0	0	0	32	3.62
WSW	18	9	0	0	0	0	27	3.67
W	9	8	0	0	0	0	17	3.77
WNW	7	4	0	0	0	0	11	3.31
NW	6	4	0	0	0	0	10	3.51
NNW	4	2	0	0	0	0	6	3.34
Total	113	111	1	0	0	0	225	

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 : 2184

TABLE 7  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1- 1 00:00 to 8- 3-31 23:00

Stability Class: G delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	1	0	0	0	0	0	1 1.66
NNE	0	0	0	0	0	0	0 0.00
NE	2	0	0	0	0	0	2 2.07
ENE	0	0	0	0	0	0	0 0.00
E	0	0	0	0	0	0	0 0.00
ESE	0	0	0	0	0	0	0 0.00
SE	1	0	0	0	0	0	1 2.40
SSE	7	10	0	0	0	0	17 4.14
S	22	14	0	0	0	0	36 3.81
SSW	17	5	0	0	0	0	22 3.09
SW	18	6	0	0	0	0	24 3.19
WSW	15	3	0	0	0	0	18 3.06
W	12	0	0	0	0	0	12 2.65
WNW	6	1	0	0	0	0	7 3.28
NW	2	0	0	0	0	0	2 3.03
NNW	4	0	0	0	0	0	4 2.22
Total	107	39	0	0	0	0	146

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 : 2184

TABLE 7  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1- 1 00:00 to 8- 3-31 23:00

Stability Class:ALL delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	25	28	27	13	2	0	9.02
NNE	14	40	39	24	0	0	8.96
NE	15	33	46	44	0	0	9.93
ENE	5	21	41	22	0	0	10.20
E	2	18	33	0	0	0	8.17
ESE	6	27	14	0	0	0	6.89
SE	10	39	4	0	0	0	5.59
SSE	29	50	16	1	0	0	5.54
S	53	92	60	19	2	0	7.32
SSW	55	115	57	18	0	0	6.82
SW	88	115	31	4	0	0	5.31
WSW	86	97	52	10	0	0	5.99
W	58	112	69	11	0	0	6.80
WNW	41	54	24	1	0	0	5.53
NW	18	40	25	4	0	0	6.89
NNW	22	20	26	13	4	0	8.43
Total	527	901	564	184	8	0	2184

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 : 2184

TABLE 7  
 FIRST QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 00:00 to 8- 6-30 23:00

Stability Class: A delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	8	5	0	0	0	0	13	4.33
NNE	2	1	3	2	0	0	8	9.68
NE	1	4	5	2	0	0	12	9.64
ENE	0	2	0	0	0	0	2	5.16
E	0	3	2	1	0	0	6	9.12
ESE	0	2	0	0	0	0	2	6.59
SE	0	1	1	0	0	0	2	6.54
SSE	0	0	0	0	0	0	0	0.00
S	0	1	3	2	0	0	6	11.10
SSW	0	4	7	0	0	0	11	8.76
SW	1	15	20	0	0	0	36	8.04
WSW	3	26	24	5	0	0	58	8.32
W	0	11	32	0	0	0	43	8.92
WNW	1	7	2	1	0	0	11	7.15
NW	1	2	5	3	0	0	11	10.15
NNW	4	12	0	3	0	0	19	6.05
Total	21	96	104	19	0	0	240	

Hours of Calm : 0  
 Hours of Varying Wind Direction : 0  
 Hours of Missing Data : 0  
 Hours of Missing Data for All : 25  
 Hours of No Stability Class : 25  
 Total hours of observation : 2184

TABLE 7  
 SECOND QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 00:00 to 8- 6-30 23:00

Stability Class: B delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	1	4	0	1	1	0	7	8.89
NNE	4	7	4	5	0	0	20	8.75
NE	1	8	7	1	0	0	17	8.95
ENE	0	1	2	0	0	0	3	8.52
E	0	0	3	0	0	0	3	11.05
ESE	0	1	1	0	0	0	2	7.78
SE	0	0	1	0	0	0	1	10.44
SSE	0	2	1	0	0	0	3	8.32
S	0	6	9	2	0	0	17	9.95
SSW	0	6	13	0	0	0	19	8.65
SW	2	16	6	0	0	0	24	6.31
WSW	3	12	7	0	0	0	22	6.97
W	3	5	3	0	0	0	11	6.43
WNW	0	6	0	0	0	0	6	6.72
NW	1	5	1	2	0	0	9	7.79
NNW	5	4	1	1	0	0	11	5.63
Total	20	83	59	12	1	0	175	

Hours of Calm : 0  
 Hours of Varying Wind Direction : 0  
 Hours of Missing Data : 0  
 Hours of Missing Data for All : 25  
 Hours of No Stability Class : 25  
 Total hours of observation : 2184

TABLE 7  
 SECOND QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 00:00 to 8- 6-30 23:00

Stability Class: C delta T/ delta z 61-&gt;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	7	10	2	7	0	0	26	8.45
NNE	2	9	6	4	0	0	21	9.06
NE	1	7	6	10	0	0	24	11.05
ENE	0	3	1	0	0	0	4	6.80
E	0	3	1	0	0	0	4	8.13
ESE	0	5	1	0	0	0	6	7.06
SE	0	2	2	0	0	0	4	7.23
SSE	0	1	3	0	0	0	4	9.64
S	0	10	10	0	0	0	20	8.53
SSW	3	16	9	0	0	0	28	7.44
SW	2	17	3	0	0	0	22	5.66
WSW	3	10	6	0	0	0	19	7.50
W	0	4	4	0	0	0	8	7.80
WNW	2	3	0	0	0	0	5	4.34
NW	1	2	2	0	0	0	5	6.78
NNW	3	1	2	0	0	0	6	6.26
Total	24	103	58	21	0	0	206	

Hours of Calm : 0  
 Hours of Varying Wind Direction : 0  
 Hours of Missing Data : 0  
 Hours of Missing Data for All : 25  
 Hours of No Stability Class : 25  
 Total hours of observation : 2184

TABLE 7  
 SECOND QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 00:00 to 8- 6-30 23:00

Stability Class: D delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	12	24	30	9	0	0	75	8.56
NNE	17	38	28	26	0	0	109	8.70
NE	5	23	36	11	0	0	75	9.27
ENE	2	16	19	6	0	0	43	9.02
E	1	12	9	2	0	0	24	8.32
ESE	0	5	7	0	0	0	12	8.71
SE	2	5	0	0	0	0	7	5.87
SSE	2	21	16	0	0	0	39	7.10
S	10	36	34	5	0	0	85	8.12
SSW	6	70	36	3	0	0	115	7.50
SW	16	36	21	0	0	0	73	6.04
WSW	12	32	16	0	0	0	60	6.76
W	5	18	15	5	0	0	43	8.33
WNW	6	12	1	0	0	0	19	4.88
NW	7	9	8	0	0	0	24	5.94
NNW	5	11	13	1	0	0	30	7.68
Total	108	368	289	68	0	0	833	

Hours of Calm : 0  
 Hours of Varying Wind Direction : 0  
 Hours of Missing Data : 0  
 Hours of Missing Data for All : 25  
 Hours of No Stability Class : 25  
 Total hours of observation : 2184

TABLE 7  
 SECOND QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 00:00 to 8- 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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	3	7	1	0	0	0	11 5.86
NNE	2	10	2	0	0	0	14 5.85
NE	3	6	3	2	0	0	14 7.70
ENE	2	1	2	0	0	0	5 5.08
E	5	3	2	1	0	0	11 6.09
ESE	2	3	1	0	0	0	6 5.53
SE	9	13	0	0	0	0	22 4.52
SSE	11	45	1	0	0	0	57 5.05
S	13	46	9	0	0	0	68 5.67
SSW	22	54	6	0	0	0	82 5.40
SW	36	31	4	0	0	0	71 4.28
WSW	21	19	5	0	0	0	45 4.48
W	16	31	0	0	0	0	47 4.70
WNW	7	9	0	0	0	0	16 4.36
NW	11	5	0	0	0	0	16 3.56
NNW	4	4	2	1	0	0	11 5.67
Total	167	287	38	4	0	0	496

Hours of Calm : 1  
 Hours of Varying Wind Direction : 0  
 Hours of Missing Data : 0  
 Hours of Missing Data for All : 25  
 Hours of No Stability Class : 25  
 Total hours of observation : 2184

TABLE 7  
 SECOND QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 00:00 to 8- 6-30 23:00

Stability Class: F delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	2	0	0	0	0	2	5.76
NNE	0	1	1	0	0	0	2	7.36
NE	0	0	0	0	0	0	0	0.00
ENE	1	0	0	0	0	0	1	1.06
E	0	0	0	0	0	0	0	0.00
ESE	1	1	0	0	0	0	2	4.27
SE	4	9	0	0	0	0	13	4.67
SSE	12	20	0	0	0	0	32	4.40
S	4	20	0	0	0	0	24	5.25
SSW	8	11	0	0	0	0	19	4.49
SW	13	1	0	0	0	0	14	2.90
WSW	4	2	0	0	0	0	6	3.43
W	9	0	0	0	0	0	9	2.50
WNW	9	1	0	0	0	0	10	3.11
NW	1	0	0	0	0	0	1	1.92
NNW	3	0	0	0	0	0	3	3.09
Total	69	68	1	0	0	0	138	

Hours of Calm : 0  
 Hours of Varying Wind Direction : 0  
 Hours of Missing Data : 0  
 Hours of Missing Data for All : 25  
 Hours of No Stability Class : 25  
 Total hours of observation : 2184

TABLE 7  
 SECOND QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 00:00 to 8- 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	1	0	0	0	0	0	1	1.52
SSE	1	4	0	0	0	0	5	5.21
S	3	5	0	0	0	0	8	4.37
SSW	5	0	0	0	0	0	5	2.03
SW	1	5	0	0	0	0	6	4.44
WSW	14	1	0	0	0	0	15	3.01
W	23	1	0	0	0	0	24	2.91
WNW	3	0	0	0	0	0	3	2.68
NW	3	0	0	0	0	0	3	2.26
NNW	0	0	0	0	0	0	0	0.00
Total	54	16	0	0	0	0	70	

Hours of Calm : 0  
 Hours of Varying Wind Direction : 0  
 Hours of Missing Data : 0  
 Hours of Missing Data for All : 25  
 Hours of No Stability Class : 25  
 Total hours of observation : 2184

TABLE 7  
 SECOND QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 00:00 to 8- 6-30 23:00

Stability Class:ALL delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	31	52	33	17	1	0	134 7.88
NNE	27	66	44	37	0	0	174 8.55
NE	11	48	57	26	0	0	142 9.41
ENE	5	23	24	6	0	0	58 8.23
E	6	21	17	4	0	0	48 8.06
ESE	3	17	10	0	0	0	30 7.24
SE	16	30	4	0	0	0	50 5.10
SSE	26	93	21	0	0	0	140 5.68
S	30	124	65	9	0	0	228 7.21
SSW	44	161	71	3	0	0	279 6.70
SW	71	121	54	0	0	0	246 5.60
WSW	60	102	58	5	0	0	225 6.45
W	56	70	54	5	0	0	185 6.42
WNW	28	38	3	1	0	0	70 4.89
NW	25	23	16	5	0	0	69 6.14
NNW	24	32	18	6	0	0	80 6.46
Total	463	1021	549	124	1	0	2158

Hours of Calm : 1  
 Hours of Varying Wind Direction : 0  
 Hours of Missing Data for All : 25  
 Hours of No Stability Class : 25  
 Total hours of observation : 2184

TABLE 7  
 SECOND QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 1 00:00 to 8- 9-30 23:00

Stability Class: A delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	5	4	1	1	0	1	7.15
NNE	2	1	2	1	2	0	11.15
NE	0	7	4	4	3	0	11.16
ENE	1	8	2	3	0	0	8.23
E	1	0	0	3	0	0	11.19
ESE	0	0	0	1	0	0	14.29
SE	0	0	0	0	0	0	0.00
SSE	0	1	0	0	0	0	5.77
S	0	1	1	0	0	0	7.95
SSW	0	0	1	0	0	0	8.97
SW	0	1	7	0	0	0	9.07
WSW	3	15	1	0	0	0	6.12
W	0	8	1	0	0	0	6.23
WNW	2	2	1	0	0	0	5.51
NW	0	0	0	1	0	0	13.12
NNW	2	3	0	4	1	0	11.16
Total	16	51	21	18	6	1	113

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 : 2208

TABLE 7  
 THIRD QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 1 00:00 to 8- 9-30 23:00

Stability Class: B delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	7	1	0	0	6	6	20 15.83
NNE	3	9	1	6	3	1	23 11.42
NE	1	9	17	8	1	0	36 10.24
ENE	0	6	4	4	0	0	14 10.35
E	0	4	5	2	0	0	11 9.31
ESE	0	1	0	0	0	0	1 4.84
SE	0	0	1	0	0	0	1 10.98
SSE	0	2	0	0	0	0	2 6.22
S	0	2	5	1	0	0	8 10.07
SSW	1	4	3	0	0	0	8 7.54
SW	3	9	1	0	0	0	13 5.46
WSW	4	7	5	0	0	0	16 6.14
W	4	4	0	0	0	0	8 4.45
WNW	2	9	0	0	0	0	11 5.08
NW	2	2	1	0	0	0	5 6.12
NNW	0	0	1	0	1	0	2 16.15
Total	27	69	44	21	11	7	179

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 : 2208

TABLE 7  
 THIRD QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 1 00:00 to 8- 9-30 23:00

Stability Class: C delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	1	4	7	7	4	0	23	13.31
NNE	7	9	13	28	3	2	62	12.44
NE	1	16	27	23	0	0	67	10.99
ENE	1	9	15	13	1	0	39	11.06
E	1	3	8	4	0	0	16	9.54
ESE	0	3	2	2	0	0	7	9.28
SE	1	4	0	0	0	0	5	6.01
SSE	0	2	3	0	0	0	5	8.81
S	2	10	10	0	0	0	22	8.10
SSW	0	20	11	0	0	0	31	7.50
SW	4	11	2	0	0	0	17	5.62
WSW	3	7	0	0	0	0	10	4.59
W	3	2	0	0	0	0	5	4.43
WNW	2	7	1	0	0	0	10	5.67
NW	4	2	2	0	0	0	8	5.96
NNW	1	2	1	0	1	0	5	9.44
Total	31	111	102	77	9	2	332	

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 : 2208

TABLE 7  
 THIRD QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 1 00:00 to 8- 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	7	17	10	3	2	0	39	7.84
NNE	14	31	52	11	0	0	108	8.48
NE	13	34	80	24	0	0	151	9.65
ENE	8	38	92	24	0	0	162	9.73
E	5	41	35	1	0	0	82	7.51
ESE	2	37	8	1	0	0	48	6.56
SE	5	48	8	0	0	0	61	6.34
SSE	7	30	9	0	0	0	46	6.49
S	9	40	13	0	0	0	62	6.30
SSW	7	43	16	1	0	0	67	6.73
SW	20	29	5	0	0	0	54	4.77
WSW	11	13	1	1	0	0	26	5.02
W	10	2	0	0	0	0	12	3.11
WNW	13	5	0	0	0	0	18	3.65
NW	4	5	0	0	0	0	9	3.94
NNW	1	5	1	2	0	0	9	7.83
Total	136	418	330	68	2	0	954	

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	:	2208

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 1 00:00 to 8- 9-30 23:00

Stability Class: E delta T/ delta z 61-&gt;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	2	5	1	0	0	0	8	5.50
NNE	4	5	1	0	0	0	10	5.31
NE	1	3	5	0	0	0	9	8.27
ENE	1	4	8	0	0	0	13	7.75
E	6	7	3	0	0	0	16	5.14
ESE	3	12	1	0	0	0	16	5.52
SE	12	39	1	0	0	0	52	5.22
SSE	22	26	2	0	0	0	50	4.49
S	18	39	2	0	0	0	59	4.72
SSW	11	54	1	0	0	0	66	5.18
SW	34	26	0	0	0	0	60	3.79
WSW	23	4	0	0	0	0	27	3.30
W	19	6	0	0	0	0	25	3.62
WNW	12	2	0	0	0	0	14	3.33
NW	7	2	0	0	0	0	9	3.09
NNW	3	3	0	0	1	0	7	6.45
Total	178	237	25	0	1	0	441	

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 : 2208

TABLE 7  
 THIRD QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 1 00:00 to 8- 9-30 23:00

Stability Class: F delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	1	0	0	0	0	1 6.70
NNE	0	0	0	0	0	0	0 0.00
NE	0	0	0	0	0	0	0 0.00
ENE	0	0	0	0	0	0	0 0.00
E	0	0	0	0	0	0	0 0.00
ESE	0	0	0	0	0	0	0 0.00
SE	1	5	0	0	0	0	6 4.51
SSE	13	15	1	0	0	0	29 4.37
S	14	11	0	0	0	0	25 4.01
SSW	12	2	0	0	0	0	14 3.13
SW	18	5	0	0	0	0	23 3.27
WSW	11	3	0	0	0	0	14 3.18
W	8	3	1	0	0	0	12 3.56
WNW	5	1	0	0	0	0	6 3.40
NW	2	0	0	0	0	0	2 3.26
NNW	1	1	0	0	0	0	2 3.48
Total	85	47	2	0	0	0	134

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 : 2208

TABLE 7  
 THIRD QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 1 00:00 to 8- 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	1	0	0	0	0	1	4.85
S	4	4	1	0	0	0	9	5.01
SSW	6	1	0	0	0	0	7	2.83
SW	9	1	0	0	0	0	10	3.15
WSW	9	2	0	0	0	0	11	3.11
W	15	1	0	0	0	0	16	2.87
WNW	1	0	0	0	0	0	1	2.80
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	44	10	1	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 : 0  
 Hours of No Stability Class : 0  
 Total hours of observation : 2208

TABLE 7  
 THIRD QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 1 00:00 to 8- 9-30 23:00

Stability Class: ALL delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	22	32	19	11	12	7	103	10.34
NNE	30	55	69	46	8	3	211	9.92
NE	16	69	133	59	4	0	281	10.10
ENE	11	65	121	44	1	0	242	9.79
E	13	55	51	10	0	0	129	7.74
ESE	5	53	11	4	0	0	73	6.68
SE	19	96	10	0	0	0	125	5.81
SSE	42	77	15	0	0	0	134	5.35
S	47	107	32	1	0	0	187	5.82
SSW	37	124	32	1	0	0	194	5.97
SW	88	82	15	0	0	0	185	4.49
WSW	64	51	7	1	0	0	123	4.54
W	59	26	2	0	0	0	87	3.80
WNW	37	26	2	0	0	0	65	4.24
NW	19	11	3	1	0	0	34	4.74
NNW	8	14	3	6	4	0	35	8.96
Total	517	943	525	184	29	10	2208	

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 : 2208

TABLE 7  
 THIRD QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 1 00:00 to 8-12-31 23:00

Stability Class: A delta T/ delta z 61-&gt;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	2	0	2	0	0	7	7.40
NNE	2	0	0	7	0	0	9	12.48
NE	0	1	1	4	0	0	6	13.16
ENE	0	0	2	1	0	0	3	12.59
E	0	0	1	0	0	0	1	8.04
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	1	0	0	0	1	8.17
SSE	0	0	0	0	0	0	0	0.00
S	1	0	0	0	0	0	1	2.38
SSW	0	0	1	1	0	0	2	11.60
SW	0	1	2	0	0	0	3	8.07
WSW	0	1	5	0	0	0	6	9.28
W	0	13	2	0	0	0	15	6.95
WNW	1	5	4	0	0	0	10	7.48
NW	0	2	15	8	0	0	25	11.98
NNW	0	2	5	2	6	1	16	15.43
Total	7	27	39	25	6	1	105	

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 : 2208

TABLE 7  
 FOURTH QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 1 00:00 to 8-12-31 23:00

Stability Class: B delta T/ delta z 61-&gt;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	5	3	0	3	0	0	11	7.87
NNE	4	1	4	8	1	0	18	11.44
NE	1	5	11	3	0	0	20	9.76
ENE	0	3	8	3	0	0	14	10.02
E	0	0	1	0	0	0	1	9.38
ESE	0	1	1	1	0	0	3	10.05
SE	0	0	2	0	0	0	2	9.46
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	8	1	0	0	0	9	6.80
WSW	2	8	4	1	0	0	15	6.83
W	3	11	2	0	0	0	16	5.64
WNW	1	11	2	0	0	0	14	6.37
NW	2	4	3	3	0	0	12	8.86
NNW	3	0	1	2	0	0	6	8.75
Total	21	55	40	24	1	0	141	

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 : 2208

TABLE 7  
 FOURTH QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 1 00:00 to 8-12-31 23:00

Stability Class: C delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	7	2	2	12	0	0	23	11.04
NNE	3	6	16	33	4	0	62	13.49
NE	2	8	18	13	3	0	44	11.70
ENE	2	2	3	7	0	0	14	10.59
E	0	1	2	0	0	0	3	9.74
ESE	0	0	1	1	0	0	2	13.19
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	1	0	0	0	1	9.12
S	0	4	0	0	0	0	4	6.76
SSW	0	2	2	0	0	0	4	8.39
SW	4	7	1	0	0	0	12	5.15
WSW	1	10	3	0	0	0	14	6.64
W	4	11	3	0	0	0	18	5.98
WNW	3	5	1	0	0	0	9	4.78
NW	1	3	6	0	0	0	10	8.55
NNW	2	0	2	1	1	0	6	11.07
Total	29	61	61	67	8	0	226	

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 : 2208

TABLE 7  
 FOURTH QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 1 00:00 to 8-12-31 23:00

Stability Class: D delta T/ delta z 61-&gt;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	14	8	6	18	1	0	47	9.73
NNE	13	24	15	22	1	0	75	9.35
NE	5	22	49	30	8	0	114	11.29
ENE	4	26	54	8	0	0	92	9.07
E	2	31	15	0	0	0	48	7.04
ESE	2	30	3	2	1	0	38	7.06
SE	2	23	3	0	1	1	30	7.28
SSE	5	14	10	1	0	0	30	6.63
S	6	16	9	0	0	0	31	6.62
SSW	9	13	22	3	0	0	47	8.00
SW	13	26	18	0	0	0	57	6.52
WSW	17	23	13	0	0	0	53	6.09
W	13	35	16	0	0	0	64	6.24
WNW	11	16	3	0	0	0	30	5.14
NW	8	12	9	0	0	0	29	6.14
NNW	9	4	17	5	0	0	35	8.77
Total	133	323	262	89	12	1	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 : 0  
 Total hours of observation : 2208

TABLE 7  
 FOURTH QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 1 00:00 to 8-12-31 23:00

Stability Class: E delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	5	4	2	0	0	0	11	5.33
NNE	7	7	0	0	0	0	14	4.16
NE	2	2	2	0	0	0	6	5.40
ENE	1	3	1	0	0	0	5	5.93
E	1	12	6	0	0	0	19	6.24
ESE	3	9	0	0	0	0	12	5.14
SE	10	21	0	0	0	0	31	4.79
SSE	8	17	2	0	0	0	27	5.01
S	11	23	1	0	0	0	35	5.05
SSW	13	33	4	0	0	0	50	4.97
SW	25	34	5	0	0	0	64	4.62
WSW	30	40	10	0	0	0	80	4.95
W	17	37	0	0	0	0	54	4.65
WNW	17	10	0	0	0	0	27	3.73
NW	9	11	0	0	0	0	20	4.75
NNW	2	3	1	0	0	0	6	5.33
Total	161	266	34	0	0	0	461	

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 : 2208

TABLE 7  
 FOURTH QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 1 00:00 to 8-12-31 23:00

Stability Class: F delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	1	0	0	0	0	0	1	2.23
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	2	1	0	0	0	0	3	3.64
E	1	3	0	0	0	0	4	5.59
ESE	0	0	0	0	0	0	0	0.00
SE	6	8	0	0	0	0	14	4.20
SSE	11	10	0	0	0	0	21	3.92
S	7	15	0	0	0	0	22	4.50
SSW	19	18	0	0	0	0	37	4.25
SW	23	12	0	0	0	0	35	3.60
WSW	23	10	0	0	0	0	33	3.27
W	14	6	0	0	0	0	20	3.57
WNW	11	1	0	0	0	0	12	3.32
NW	2	3	0	0	0	0	5	4.55
NNW	1	3	0	0	0	0	4	4.47
Total	121	90	0	0	0	0	211	

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 : 2208

TABLE 7  
 FOURTH QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 1 00:00 to 8-12-31 23:00

Stability Class: G delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	2	0	0	0	0	0	2	3.23
NNE	1	0	0	0	0	0	1	3.44
NE	0	0	0	0	0	0	0	0.00
ENE	1	0	0	0	0	0	1	1.96
E	1	0	0	0	0	0	1	2.07
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	8	8	0	0	0	0	16	3.95
S	18	20	0	0	0	0	38	3.98
SSW	14	5	0	0	0	0	19	3.29
SW	36	9	0	0	0	0	45	3.15
WSW	54	16	0	0	0	0	70	3.15
W	34	3	0	0	0	0	37	2.92
WNW	9	0	0	0	0	0	9	3.11
NW	3	0	0	0	0	0	3	2.29
NNW	1	1	0	0	0	0	2	3.48
Total	182	62	0	0	0	0	244	

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 : 2208

TABLE 7  
 FOURTH QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-1 00:00 to 8-12-31 23:00

Stability Class:ALL delta T/ delta z 61-&gt;10 m Delta T With Substitution

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

Wind Direction	Wind Speed (miles/hour)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	37	19	10	35	1	0	102	8.99
NNE	30	38	35	70	6	0	179	10.71
NE	10	38	81	50	11	0	190	11.10
ENE	10	35	68	19	0	0	132	9.12
E	5	47	25	0	0	0	77	6.85
ESE	5	40	5	4	1	0	55	7.02
SE	18	52	6	0	1	1	78	5.80
SSE	32	49	13	1	0	0	95	5.14
S	43	78	10	0	0	0	131	5.05
SSW	55	71	29	4	0	0	159	5.67
SW	101	97	27	0	0	0	225	4.81
WSW	127	108	35	1	0	0	271	4.79
W	85	116	23	0	0	0	224	5.05
WNW	53	48	10	0	0	0	111	4.77
NW	25	35	33	11	0	0	104	7.63
NNW	18	13	26	10	7	1	75	9.73
Total	654	884	436	205	27	2	2208	

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 : 2208

TABLE 7  
 FOURTH QUARTER 2008  
 PAGE 8 OF 8

**TABLE 8**

**JOINT FREQUENCY DISTRIBUTION**

**BY QUARTER FOR 2008**

**( BATCH RELEASES )**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-15 14:00 to 8- 1-15 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	1	0	0	0	0	7.88
NW	0	0	1	0	0	0	8.09
NNW	0	0	0	0	0	0	0.00
Total	0	1	1	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 : 4

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-15 14:00 to 8- 1-15 17:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-15 14:00 to 8- 1-15 17:00

Stability Class: C delta T/ delta z 61-&gt;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	6.34
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 : 4

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-15 14:00 to 8- 1-15 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	1	0	0	0	0	1	6.64
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 : 4

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-15 14:00 to 8- 1-15 17:00

Stability Class: E delta T/ delta z 61-&gt;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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-15 14:00 to 8- 1-15 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-15 14:00 to 8- 1-15 17:00

Stability Class: G delta T/ delta z 61-&gt;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 : 09-03-12

Data Period : 8- 1-15 14:00 to 8- 1-15 17:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	2	0	0	0	0	2	7.11
NW	0	1	1	0	0	0	2	7.36
NNW	0	0	0	0	0	0	0	0.00
Total	0	3	1	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 : 09-03-12

Data Period : 8- 1-16 12:00 to 8- 1-16 13:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-16 12:00 to 8- 1-16 13:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 09-03-12

Data Period : 8- 1-16 12:00 to 8- 1-16 13:00

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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 09-03-12

Data Period : 8- 1-16 12:00 to 8- 1-16 13:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	2	0	0	0	2	8.68
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	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 : 2

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-16 12:00 to 8- 1-16 13:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 09-03-12

Data Period : 8- 1-16 12:00 to 8- 1-16 13:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-16 12:00 to 8- 1-16 13:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 09-03-12

Data Period : 8- 1-16 12:00 to 8- 1-16 13:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	2	0	0	0	2	8.68
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	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 for All : 0  
 Hours of No Stability Class : 0  
 Total hours of observation : 2

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-21 10:00 to 8- 1-21 14:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-21 10:00 to 8- 1-21 14:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	1	1	0	0	0	8.64
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	1	1	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 : 09-03-12

Data Period : 8- 1-21 10:00 to 8- 1-21 14:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	1	0	0	0	0	1	6.03
ENE	0	0	1	0	0	0	1	11.23
E	0	0	1	0	0	0	1	10.89
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	1	2	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 : 5

**TABLE 8**  
**FIRST QUARTER 2008**  
**PAGE 3 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-21 10:00 to 8- 1-21 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-21 10:00 to 8- 1-21 14:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 09-03-12

Data Period : 8- 1-21 10:00 to 8- 1-21 14:00

Stability Class: F delta T/ delta z 61-&gt;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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-21 10:00 to 8- 1-21 14:00

Stability Class: G delta T/ delta z 61-&gt;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)						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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-21 10:00 to 8- 1-21 14:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	1	0	0	0	0	6.03
ENE	0	1	2	0	0	0	9.50
E	0	0	1	0	0	0	10.89
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	2	3	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 : 09-03-12

Data Period : 8- 1-22 11:00 to 8- 1-22 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-22 11:00 to 8- 1-22 18:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-22 11:00 to 8- 1-22 18:00

Stability Class: C delta T/ delta z 61-&gt;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	1	0	0	0	0	1	5.39
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	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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-22 11:00 to 8- 1-22 18:00

Stability Class: D delta T/ delta z 61-&gt;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	3	0	0	0	0	0	3	3.28
NNE	1	0	0	0	0	0	1	2.66
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	4.41
NW	0	1	0	0	0	0	1	6.68
NNW	1	0	0	0	0	0	1	3.24
Total	5	2	0	0	0	0	7	

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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-22 11:00 to 8- 1-22 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-22 11:00 to 8- 1-22 18:00

Stability Class: F delta T/ delta z 61-&gt;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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-22 11:00 to 8- 1-22 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total
N	0	0	0	0	0	0	0 0.00
NNE	0	0	0	0	0	0	0 0.00
NE	0	0	0	0	0	0	0 0.00
ENE	0	0	0	0	0	0	0 0.00
E	0	0	0	0	0	0	0 0.00
ESE	0	0	0	0	0	0	0 0.00
SE	0	0	0	0	0	0	0 0.00
SSE	0	0	0	0	0	0	0 0.00
S	0	0	0	0	0	0	0 0.00
SSW	0	0	0	0	0	0	0 0.00
SW	0	0	0	0	0	0	0 0.00
WSW	0	0	0	0	0	0	0 0.00
W	0	0	0	0	0	0	0 0.00
WNW	0	0	0	0	0	0	0 0.00
NW	0	0	0	0	0	0	0 0.00
NNW	0	0	0	0	0	0	0 0.00
Total	0	0	0	0	0	0	0

Hours of Calm : 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 : 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-22 11:00 to 8- 1-22 18:00

Stability Class:ALL delta T/ delta z 61-&gt;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	3	1	0	0	0	0	4	3.81
NNE	1	0	0	0	0	0	1	2.66
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	4.41
NW	0	1	0	0	0	0	1	6.68
NNW	1	0	0	0	0	0	1	3.24
Total	5	3	0	0	0	0	8	

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 : 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-23 12:00 to 8- 1-23 20:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-23 12:00 to 8- 1-23 20:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-23 12:00 to 8- 1-23 20:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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	:	9					

TABLE 8  
FIRST QUARTER 2008  
PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-23 12:00 to 8- 1-23 20:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	2	0	0	0	0	0	2.62
SW	0	0	0	0	0	0	0.00
WSW	1	0	0	0	0	0	1.63
W	0	0	0	0	0	0	0.00
WNW	3	0	0	0	0	0	2.16
NW	3	0	0	0	0	0	3.33
NNW	0	0	0	0	0	0	0.00
Total	9	0	0	0	0	0	9

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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-23 12:00 to 8- 1-23 20:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-23 12:00 to 8- 1-23 20:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 9

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-23 12:00 to 8- 1-23 20:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-23 12:00 to 8- 1-23 20:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	2	0	0	0	0	0	2	2.62
SW	0	0	0	0	0	0	0	0.00
WSW	1	0	0	0	0	0	1	1.63
W	0	0	0	0	0	0	0	0.00
WNW	3	0	0	0	0	0	3	2.16
NW	3	0	0	0	0	0	3	3.33
NNW	0	0	0	0	0	0	0	0.00
Total	9	0	0	0	0	0	9	

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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-31 10:00 to 8- 1-31 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-31 10:00 to 8- 1-31 18:00

Stability Class: B delta T/ delta z 61-&gt;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	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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-31 10:00 to 8- 1-31 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						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	1	0	0	0	1 12.43
NE	0	0	2	1	0	0	3 11.93
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	3	1	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	:	9

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-31 10:00 to 8- 1-31 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						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	1	3	0	0	4 13.03
ENE	0	0	1	0	0	0	1 10.54
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	3	0	0	5

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 : 9

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-31 10:00 to 8- 1-31 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Total'	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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-31 10:00 to 8- 1-31 18:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-31 10:00 to 8- 1-31 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 1-31 10:00 to 8- 1-31 18:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						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	1	0	0	0	1 12.43
NE	0	0	3	4	0	0	7 12.56
ENE	0	0	1	0	0	0	1 10.54
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	5	4	0	0	9

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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2- 5 12:00 to 8- 2- 5 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	1	1	0	0	0	8.21
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	1	1	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	:	7

TABLE 8  
FIRST QUARTER 2008  
PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2- 5 12:00 to 8- 2- 5 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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2- 5 12:00 to 8- 2- 5 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	1	0	0	0	1	8.61
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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2- 5 12:00 to 8- 2- 5 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	1	0	0	0	0	1	7.00
WSW	0	1	0	0	0	0	1	8.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	2	0	0	0	0	2	

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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2- 5 12:00 to 8- 2- 5 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	2	0	0	0	0	6.59
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2- 5 12:00 to 8- 2- 5 18:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2- 5 12:00 to 8- 2- 5 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2- 5 12:00 to 8- 2- 5 18:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						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	4	2	0	0	0	6 7.53
WSW	0	1	0	0	0	0	1 8.00
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	5	2	0	0	0	7

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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-2-12 10:00 to 8-2-12 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-2-12 10:00 to 8-2-12 18:00

Stability Class: B delta T/ delta z 61-&gt;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)						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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-12 10:00 to 8- 2-12 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 9

**TABLE 8**  
**FIRST QUARTER 2008**  
**PAGE 3 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-12 10:00 to 8- 2-12 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	1	0	0	0	0	1	4.99
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	1	0	0	0	0	1	5.33
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	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 : 9

**TABLE 8**  
**FIRST QUARTER 2008**  
**PAGE 4 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-12 10:00 to 8- 2-12 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	1	1	0	0	0	2 7.10
NNE	1	1	1	0	0	0	3 5.80
NE	0	1	0	0	0	0	1 6.81
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	1	0	0	0	0	1 5.45
Total	1	4	2	0	0	0	7

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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-12 10:00 to 8- 2-12 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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-12 10:00 to 8- 2-12 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 9

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-12 10:00 to 8- 2-12 18:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	1	1	0	0	0	2	7.10
NNE	1	1	1	0	0	0	3	5.80
NE	0	1	0	0	0	0	1	6.81
ENE	0	1	0	0	0	0	1	4.99
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	1	0	0	0	0	1	5.33
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	1	0	0	0	0	1	5.45
Total	1	6	2	0	0	0	9	

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 : 9

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-14 11:00 to 8- 2-14 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-14 11:00 to 8- 2-14 18:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	1	0	0	0	0	4.68
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	1	0	0	0	0	4.75
NNW	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 : 8

**TABLE 8**  
**FIRST QUARTER 2008**  
**PAGE 2 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-14 11:00 to 8- 2-14 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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	1	0	0	0	0	1 4.84
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	1	0	0	0	0	0	1 3.73
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	1	0	0	0	0	1 4.10
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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-14 11:00 to 8- 2-14 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	1	0	0	0	0	0	1 3.59
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 5.38
SSW	0	1	0	0	0	0	1 4.65
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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-14 11:00 to 8- 2-14 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-2-14 11:00 to 8-2-14 18:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm	:	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	:	8

TABLE 8  
FIRST QUARTER 2008  
PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 2-14 11:00 to 8- 2-14 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-2-14 11:00 to 8-2-14 18:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	1	1	0	0	0	0	2 4.22
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 5.38
SSW	1	1	0	0	0	0	2 4.19
SW	0	0	0	0	0	0	0 0.00
WSW	0	1	0	0	0	0	1 4.68
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 4.75
NNW	0	1	0	0	0	0	1 4.10
Total	2	6	0	0	0	0	8

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 : 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3- 5 12:00 to 8- 3- 5 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	1	0	0	0	0	5.57
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3- 5 12:00 to 8- 3- 5 18:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	1	0	0	0	0	5.02
W	0	2	0	0	0	0	5.15
WNW	0	1	0	0	0	0	4.71
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	4	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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3- 5 12:00 to 8- 3- 5 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	1	0	0	0	0	0	1	3.87
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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3- 5 12:00 to 8- 3- 5 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	1	0	0	0	0	0	3.33
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3- 5 12:00 to 8- 3- 5 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3- 5 12:00 to 8- 3- 5 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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3- 5 12:00 to 8- 3- 5 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3- 5 12:00 to 8- 3- 5 18:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	1	1	0	0	0	0	2	4.44
W	1	2	0	0	0	0	3	4.55
WNW	0	2	0	0	0	0	2	5.14
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	2	5	0	0	0	0	7	

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 : 7

TABLE 8  
FIRST QUARTER 2008  
PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-12 09:00 to 8- 3-12 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0.	0	

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 : 10

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-12 09:00 to 8- 3-12 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	1	0	0	0	0	1	4.83
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	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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-12 09:00 to 8- 3-12 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-12 09:00 to 8- 3-12 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	2	0	0	0	0	2	4.48
NE	2	0	0	0	0	0	2	3.56
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	3	0	0	0	0	3	4.91
WNW	0	0	0	0	0	0	0	0.00
NW	0	2	0	0	0	0	2	4.59
NNW	0	0	0	0	0	0	0	0.00
Total	2	7	0	0	0	0	9	

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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-12 09:00 to 8- 3-12 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 10

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-12 09:00 to 8- 3-12 18:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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 : 10

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-12 09:00 to 8- 3-12 18:00

Stability Class: G delta T/ delta z 61-&gt;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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-3-12 09:00 to 8-3-12 18:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	1	0	0	0	0	4.83
NNE	0	2	0	0	0	0	4.48
NE	2	0	0	0	0	0	3.56
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	3	0	0	0	0	4.91
WNW	0	0	0	0	0	0	0.00
NW	0	2	0	0	0	0	4.59
NNW	0	0	0	0	0	0	0.00
Total	2	8	0	0	0	0	10

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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-13 14:00 to 8- 3-13 19:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

**TABLE 8**  
**FIRST QUARTER 2008**  
**PAGE 1 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-13 14:00 to 8- 3-13 19:00

Stability Class: B delta T/ delta z 61-&gt;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 : 09-03-12

Data Period : 8- 3-13 14:00 to 8- 3-13 19:00

Stability Class: C delta T/ delta z 61-&gt;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	1	0	0	0	1	8.38
SW	0	2	0	0	0	0	2	6.27
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	2	1	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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-13 14:00 to 8- 3-13 19:00

Stability Class: D delta T/ delta z 61-&gt;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	1	1	0	0	0	2	7.98
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	1	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 : 6

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-13 14:00 to 8- 3-13 19:00

Stability Class: E delta T/ delta z 61-&gt;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	5.13
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 : 6

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-13 14:00 to 8- 3-13 19:00

Stability Class: F delta T/ delta z 61-&gt;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	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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-13 14:00 to 8- 3-13 19:00

Stability Class: G delta T/ delta z 61-&gt;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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-13 14:00 to 8- 3-13 19:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	1	1	0	0	0	6.75
SW	0	3	1	0	0	0	7.12
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	4	2	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

TABLE 8  
FIRST QUARTER 2008  
PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-24 11:00 to 8- 3-24 14:00

Stability Class: A delta T/ delta z 61-&gt;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	1	0	0	0	1	12.77
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	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 : 4

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-24 11:00 to 8- 3-24 14:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	3	0	0	0	3 11.35
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	3	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 : 4

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12  
 Data Period : 8- 3-24 11:00 to 8- 3-24 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 : 4

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-24 11:00 to 8- 3-24 14:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

**TABLE 8**  
**FIRST QUARTER 2008**  
**PAGE 4 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-24 11:00 to 8- 3-24 14:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-24 11:00 to 8- 3-24 14:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-24 11:00 to 8- 3-24 14:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-24 11:00 to 8- 3-24 14:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	4	0	0	0	4 11.70
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	4	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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-25 12:00 to 8- 3-25 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	1	0	0	0	0	5.88
WSW	0	1	0	0	0	0	5.48
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-25 12:00 to 8- 3-25 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	2	0	0	0	0	2	5.27
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	2	0	0	0	0	2	

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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-25 12:00 to 8- 3-25 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	1	0	0	0	0	1	4.75
SW	0	1	0	0	0	0	1	7.40
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	2	0	0	0	0	2	

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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-25 12:00 to 8- 3-25 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	1	0	0	0	0	6.91
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-25 12:00 to 8- 3-25 18:00

Stability Class: E delta T/ delta z 61-&gt;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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-25 12:00 to 8- 3-25 18:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-25 12:00 to 8- 3-25 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Repckt Date : 09-03-12

Data Period : 8- 3-25 12:00 to 8- 3-25 18:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	1	0	0	0	0	4.75
SW	0	5	0	0	0	0	6.15
WSW	0	1	0	0	0	0	5.48
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	7	0	0	0	0	7

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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-27 14:00 to 8- 3-27 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						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	2	0	0	0	2 11.43
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 : 5

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-27 14:00 to 8- 3-27 18:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	2	0	0	0	9.48
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 5

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-27 14:00 to 8- 3-27 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-27 14:00 to 8- 3-27 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	1	0	0	0	0	7.42
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-27 14:00 to 8- 3-27 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 09-03-12

Data Period : 8- 3-27 14:00 to 8- 3-27 18:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Total'	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 : 09-03-12

Data Period : 8- 3-27 14:00 to 8- 3-27 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						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

TABLE 8  
 FIRST QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 3-27 14:00 to 8- 3-27 18:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	1	4	0	0	0	9.85
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	1	4	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 : 09-03-12

Data Period : 8- 4- 1 11:00 to 8- 4- 1 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total
N	0	0	0	0	0	0	0 0.00
NNE	0	0	0	0	0	0	0 0.00
NE	0	0	0	0	0	0	0 0.00
ENE	0	0	0	0	0	0	0 0.00
E	0	0	0	0	0	0	0 0.00
ESE	0	0	0	0	0	0	0 0.00
SE	0	0	0	0	0	0	0 0.00
SSE	0	0	0	0	0	0	0 0.00
S	0	0	0	0	0	0	0 0.00
SSW	0	0	0	0	0	0	0 0.00
SW	0	0	1	0	0	0	1 9.23
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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 11:00 to 8- 4- 1 17:00

Stability Class: B delta T/ delta z 61-&gt;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	1	0	0	0	1	10.70
SW	0	0	0	0	0	0	0	0.00
WSW	0	1	1	0	0	0	2	8.44
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	2	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 11:00 to 8- 4- 1 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total
N	0	0	0	0	0	0	0 0.00
NNE	0	0	0	0	0	0	0 0.00
NE	0	0	0	0	0	0	0 0.00
ENE	0	0	0	0	0	0	0 0.00
E	0	0	0	0	0	0	0 0.00
ESE	0	0	0	0	0	0	0 0.00
SE	0	0	0	0	0	0	0 0.00
SSE	0	0	0	0	0	0	0 0.00
S	0	0	0	0	0	0	0 0.00
SSW	0	0	0	0	0	0	0 0.00
SW	0	0	0	0	0	0	0 0.00
WSW	0	0	0	0	0	0	0 0.00
W	0	0	0	0	0	0	0 0.00
WNW	0	0	0	0	0	0	0 0.00
NW	0	0	0	0	0	0	0 0.00
NNW	0	0	0	0	0	0	0 0.00
Total	0	0	0	0	0	0	0

Hours of Calm : 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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 11:00 to 8- 4- 1 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	1	0	0	0	0	7.51
WSW	0	1	1	0	0	0	8.16
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	2	1	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	:	7

TABLE 8  
SECOND QUARTER 2008  
PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 11:00 to 8- 4- 1 17:00

Stability Class: E delta T/ delta z 61-&gt;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)						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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12  
 Data Period : 8- 4- 1 11:00 to 8- 4- 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 11:00 to 8- 4- 1 17:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 1 11:00 to 8- 4- 1 17:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						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	1	0	0	0	1 10.70
SW	0	1	1	0	0	0	2 8.37
WSW	0	2	2	0	0	0	4 8.30
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	4	0	0	0	7

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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 9 12:00 to 8- 4- 9 18:00

Stability Class: A delta T/ delta z 61-&gt;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	0	0	0	0	0	1	2.27
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	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 9 12:00 to 8- 4- 9 18:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	1	0	0	0	0	0	1	2.97
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	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 9 12:00 to 8- 4- 9 18:00

Stability Class: C delta T/ delta z 61-&gt;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	3	0	0	0	0	0	3	3.13
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	3	0	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	:	7						

TABLE 8  
SECOND QUARTER 2008  
PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 9 12:00 to 8- 4- 9 18:00

Stability Class: D delta T/ delta z 61-&gt;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	0	0	0	0	0	1	3.84
NNE	1	0	0	0	0	0	1	1.95
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	2	0	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 9 12:00 to 8- 4- 9 18:00

Stability Class: E delta T/ delta z 61-&gt;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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 9 12:00 to 8- 4- 9 18:00

Stability Class: F delta T/ delta z 61-&gt;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)						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 0.00

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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 9 12:00 to 8- 4- 9 18:00

Stability Class: G delta T/ delta z 61-&gt;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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4- 9 12:00 to 8- 4- 9 18:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total
N	5	0	0	0	0	0	5 3.10
NNE	2	0	0	0	0	0	2 2.46
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	7	0	0	0	0	0	7

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 :	7

TABLE 8  
SECOND QUARTER 2008  
PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-10 12:00 to 8- 4-10 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-10 12:00 to 8- 4-10 18:00

Stability Class: B delta T/ delta z 61-&gt;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 : 7

**TABLE 8**  
**SECOND QUARTER 2008**  
**PAGE 2 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-10 12:00 to 8- 4-10 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-10 12:00 to 8- 4-10 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	1	0	0	0	0	1	6.16
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	6.16
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	1	2	0	0	0	0	3	4.61
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	4	0	0	0	0	5	

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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-4-10 12:00 to 8-4-10 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	1	0	0	0	0	1	5.76
NNE	0	1	0	0	0	0	1	4.66
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	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-10 12:00 to 8- 4-10 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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-10 12:00 to 8- 4-10 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

**TABLE 8**  
**SECOND QUARTER 2008**  
**PAGE 7 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12  
 Data Period : 8- 4-10 12:00 to 8- 4-10 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	2	0	0	0	0	2	5.96
NNE	0	1	0	0	0	0	1	4.66
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	6.16
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	1	2	0	0	0	0	3	4.61
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	6	0	0	0	0	7	

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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-14 12:00 to 8- 4-14 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-14 12:00 to 8- 4-14 18:00

Stability Class: B delta T/ delta z 61-&gt;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	0	0	0	0	0	1	3.43
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	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-14 12:00 to 8- 4-14 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Speed
N	1	0	0	0	0	0	1	2.77
NNE	0	1	0	0	0	0	1	5.94
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	1	0	0	0	0	1	7.09
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	:	7						

TABLE 8  
SECOND QUARTER 2008  
PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-14 12:00 to 8- 4-14 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	1	0	0	0	0	0	1	2.97
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	2	0	0	0	0	2	7.25
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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-14 12:00 to 8- 4-14 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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 : 7

**TABLE 8**  
**SECOND QUARTER 2008**  
**PAGE 5 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-14 12:00 to 8- 4-14 18:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-14 12:00 to 8- 4-14 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

**TABLE 8**  
**SECOND QUARTER 2008**  
**PAGE 7 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-14 12:00 to 8- 4-14 18:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Mean Speed
N	2	0	0	0	0	0	2	3.10
NNE	1	1	0	0	0	0	2	4.46
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	3	0	0	0	0	3	7.20
Total	3	4	0	0	0	0	7	

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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-16 11:00 to 8- 4-16 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	2	0	0	0	0	0	3.06
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	2	0	0	0	0	4.11
Total	2	2	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-16 11:00 to 8- 4-16 17:00

Stability Class: B delta T/ delta z 61-&gt;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	2	0	0	0	0	0	2	2.05
Total	2	0	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-16 11:00 to 8- 4-16 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	1	0	0	0	0	5.33
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-4-16 11:00 to 8-4-16 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total
N	0	0	0	0	0	0	0 0.00
NNE	0	0	0	0	0	0	0 0.00
NE	0	0	0	0	0	0	0 0.00
ENE	0	0	0	0	0	0	0 0.00
E	0	0	0	0	0	0	0 0.00
ESE	0	0	0	0	0	0	0 0.00
SE	0	0	0	0	0	0	0 0.00
SSE	0	0	0	0	0	0	0 0.00
S	0	0	0	0	0	0	0 0.00
SSW	0	0	0	0	0	0	0 0.00
SW	0	0	0	0	0	0	0 0.00
WSW	0	0	0	0	0	0	0 0.00
W	0	0	0	0	0	0	0 0.00
WNW	0	0	0	0	0	0	0 0.00
NW	0	0	0	0	0	0	0 0.00
NNW	0	0	0	0	0	0	0 0.00
Total	0	0	0	0	0	0	0

Hours of Calm	:	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	:	7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-16 11:00 to 8- 4-16 17:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-16 11:00 to 8- 4-16 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-4-16 11:00 to 8-4-16 17:00

Stability Class: G delta T/ delta z 61-&gt;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	:	7

TABLE 8  
SECOND QUARTER 2008  
PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-16 11:00 to 8- 4-16 17:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	1	0	0	0	0	5.33
NNE	2	0	0	0	0	0	3.06
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	2	2	0	0	0	0	3.08
Total	4	3	0	0	0	0	7

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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-17 11:00 to 8- 4-17 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	2	0	0	0	0	2	5.17
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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-17 11:00 to 8- 4-17 17:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-4-17 11:00 to 8-4-17 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						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	1	0	0	0	0	1 4.26
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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-17 11:00 to 8- 4-17 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	1	0	0	0	0	4.87
SW	1	1	0	0	0	0	4.16
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	1	0	0	0	0	4.74
NNW	0	0	0	0	0	0	0.00
Total	1	3	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-17 11:00 to 8- 4-17 17:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-17 11:00 to 8- 4-17 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-17 11:00 to 8- 4-17 17:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 4-17 11:00 to 8- 4-17 17:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	1	0	0	0	0	1	4.87
SW	1	2	0	0	0	0	3	4.19
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	2	0	0	0	0	2	5.17
NW	0	1	0	0	0	0	1	4.74
NNW	0	0	0	0	0	0	0	0.00
Total	1	6	0	0	0	0	7	

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 : 7

TABLE 8  
 SECOND QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 9 10:00 to 8- 7- 9 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 9

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 9 10:00 to 8- 7- 9 18:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	1	0	0	0	1	8.16
WSW	0	0	3	0	0	0	3	9.20
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	4	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 : 9

**TABLE 8**  
**THIRD QUARTER 2008**  
**PAGE 2 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 9 10:00 to 8- 7- 9 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	2	0	0	0	0	2	6.80
SW	0	1	0	0	0	0	1	7.41
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 : 9

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 9 10:00 to 8- 7- 9 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	1	1	0	0	0	7.86
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	1	1	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 : 9

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 9 10:00 to 8- 7- 9 18:00

Stability Class: E delta T/ delta z 61-&gt;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 : 9

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 9 10:00 to 8- 7- 9 18:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 9

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 9 10:00 to 8- 7- 9 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						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 : 9

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7- 9 10:00 to 8- 7- 9 18:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4 - <8	8 - <13	13 - <19	19 - 24	>24	Total
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	2	0	0	0	0	6.80
SW	0	1	1	0	0	0	7.79
WSW	0	1	4	0	0	0	8.67
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	4	5	0	0	0	9

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 : 9

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-23 09:00 to 8- 7-23 20:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	2	0	0	0	0	2	5.07
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	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 : 12

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-23 09:00 to 8- 7-23 20:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	1	0	0	0	0	0	1	3.13
W	1	0	0	0	0	0	1	3.77
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	2	0	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 : 12

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-23 09:00 to 8- 7-23 20:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	1	0	0	0	0	1	5.70
NE	0	1	0	0	0	0	1	5.99
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	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 : 12

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-23 09:00 to 8- 7-23 20:00

Stability Class: D delta T/ delta z 61-&gt;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	1	0	0	0	0	0	1	3.28
NE	0	1	0	0	0	0	1	4.21
ENE	0	0	1	0	0	0	1	10.22
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	1	0	0	0	1	9.62
SSW	0	0	1	1	0	0	2	11.50
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	1	3	1	0	0	6	

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 : 12

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-23 09:00 to 8- 7-23 20:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 12

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-23 09:00 to 8- 7-23 20:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 12

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-23 09:00 to 8- 7-23 20:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 12

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-23 09:00 to 8- 7-23 20:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	1	1	0	0	0	0	2	4.49
NE	0	4	0	0	0	0	4	5.09
ENE	0	0	1	0	0	0	1	10.22
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	1	0	0	0	1	9.62
SSW	0	0	1	1	0	0	2	11.50
SW	0	0	0	0	0	0	0	0.00
WSW	1	0	0	0	0	0	1	3.13
W	1	0	0	0	0	0	1	3.77
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	3	5	3	1	0	0	12	

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 : 12

**TABLE 8**  
**THIRD QUARTER 2008**  
**PAGE 8 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-28 11:00 to 8- 7-28 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-28 11:00 to 8- 7-28 17:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-28 11:00 to 8- 7-28 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	1	0	0	0	0	0	3.71
NE	0	0	0	0	0	0	0.00
ENE	0	1	1	0	0	0	7.96
E	0	1	0	0	0	0	7.36
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	1	0	0	0	0	4.03
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	1	3	1	0	0	0	5

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 : 7

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-28 11:00 to 8- 7-28 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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	1	0	0	0	0	1 4.82
NNE	0	0	0	0	0	0	0 0.00
NE	0	0	0	0	0	0	0 0.00
ENE	0	1	0	0	0	0	1 7.79
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	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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-28 11:00 to 8- 7-28 17:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-28 11:00 to 8- 7-28 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 7

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-7-28 11:00 to 8-7-28 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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 7

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-28 11:00 to 8- 7-28 17:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	1	0	0	0	0	1	4.82
NNE	1	0	0	0	0	0	1	3.71
NE	0	0	0	0	0	0	0	0.00
ENE	0	2	1	0	0	0	3	7.90
E	0	1	0	0	0	0	1	7.36
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	4.03
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	1	0	0	0	7	

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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-31 11:00 to 8- 7-31 16:00

Stability Class: A delta T/ delta z 61-&gt;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	2	0	0	0	2	9.40
WSW	0	2	1	0	0	0	3	8.20
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	2	3	0	0	0	5	

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

TABLE 8  
THIRD QUARTER 2008  
PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-31 11:00 to 8- 7-31 16:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-31 11:00 to 8- 7-31 16:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-31 11:00 to 8- 7-31 16:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	1	0	0	0	1	10.19
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 : 6

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-31 11:00 to 8- 7-31 16:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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 : 09-03-12

Data Period : 8- 7-31 11:00 to 8- 7-31 16:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-31 11:00 to 8- 7-31 16:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 7-31 11:00 to 8- 7-31 16:00

Stability Class:ALL delta T/ delta z 61-&gt;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	1	0	0	0	1	10.19
SW	0	0	2	0	0	0	2	9.40
WSW	0	2	1	0	0	0	3	8.20
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	2	4	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 : 09-03-12

Data Period : 8- 8-14 10:00 to 8- 8-14 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 8

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 8-14 10:00 to 8- 8-14 17:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	1	0	0	0	0	0	1	3.12
SW	1	0	0	0	0	0	1	3.60
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	2.	0	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 : 8

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 8-14 10:00 to 8- 8-14 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	1	0	0	0	0	0	1	3.50
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 : 8

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 8-14 10:00 to 8- 8-14 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	2	0	0	0	0	2	5.49
S	0	2	0	0	0	0	2	5.78
SSW	0	1	0	0	0	0	1	4.28
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	5	0	0	0	0	5	

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 : 8

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 8-14 10:00 to 8- 8-14 17:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 8

**TABLE 8**  
**THIRD QUARTER 2008**  
**PAGE 5 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 8-14 10:00 to 8- 8-14 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 8-14 10:00 to 8- 8-14 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 8

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 8-14 10:00 to 8- 8-14 17:00

Stability Class:ALL delta T/ delta z 61-&gt;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	2	0	0	0	0	2	5.49
S	0	2	0	0	0	0	2	5.78
SSW	1	1	0	0	0	0	2	3.70
SW	1	0	0	0	0	0	1	3.60
WSW	1	0	0	0	0	0	1	3.50
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	3	5	0	0	0	0	8	

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 : 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-22 12:00 to 8- 9-22 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-22 12:00 to 8- 9-22 17:00

Stability Class: B delta T/ delta z 61-&gt;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	1	1	0	0	0	2	8.16
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	1	1	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 : 6

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-22 12:00 to 8- 9-22 17:00

Stability Class: C delta T/ delta z 61-&gt;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	3	0	0	0	3	9.73
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	3	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 : 09-03-12

Data Period : 8- 9-22 12:00 to 8- 9-22 17:00

Stability Class: D delta T/ delta z 61-&gt;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	1	0	0	1	13.09
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	1	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 : 6

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-22 12:00 to 8- 9-22 17:00

Stability Class: E delta T/ delta z 61-&gt;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)						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 : 09-03-12

Data Period : 8- 9-22 12:00 to 8- 9-22 17:00

Stability Class: F delta T/ delta z 61-&gt;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 : 09-03-12

Data Period : 8- 9-22 12:00 to 8- 9-22 17:00

Stability Class: G delta T/ delta z 61-&gt;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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-22 12:00 to 8- 9-22 17:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	1	4	1	0	0	6	9.77
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	1	4	1	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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-23 11:00 to 8- 9-23 13:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	1	0	20.38
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	0	0	0	1	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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-23 11:00 to 8- 9-23 13:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	1	1	0	19.03
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	0	0	1	1	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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-23 11:00 to 8- 9-23 13:00

Stability Class: C delta T/ delta z 61-&gt;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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-23 11:00 to 8- 9-23 13:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-23 11:00 to 8- 9-23 13:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-23 11:00 to 8- 9-23 13:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 09-03-12

Data Period : 8- 9-23 11:00 to 8- 9-23 13:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total
N	0	0	0	0	0	0	0 0.00
NNE	0	0	0	0	0	0	0 0.00
NE	0	0	0	0	0	0	0 0.00
ENE	0	0	0	0	0	0	0 0.00
E	0	0	0	0	0	0	0 0.00
ESE	0	0	0	0	0	0	0 0.00
SE	0	0	0	0	0	0	0 0.00
SSE	0	0	0	0	0	0	0 0.00
S	0	0	0	0	0	0	0 0.00
SSW	0	0	0	0	0	0	0 0.00
SW	0	0	0	0	0	0	0 0.00
WSW	0	0	0	0	0	0	0 0.00
W	0	0	0	0	0	0	0 0.00
WNW	0	0	0	0	0	0	0 0.00
NW	0	0	0	0	0	0	0 0.00
NNW	0	0	0	0	0	0	0 0.00
Total	0	0	0	0	0	0	0

Hours of Calm	:	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

TABLE 8  
THIRD QUARTER 2008  
PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-23 11:00 to 8- 9-23 13:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	1	2	0	19.48
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	0	0	1	2	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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-30 10:00 to 8- 9-30 12:00

Stability Class: A delta T/ delta z 61-&gt;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)						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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-30 10:00 to 8- 9-30 12:00

Stability Class: B delta T/ delta z 61-&gt;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)						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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-30 10:00 to 8- 9-30 12:00

Stability Class: C. delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	1	0	0	0	0	0	1	3.56
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 : 3

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-30 10:00 to 8- 9-30 12:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	1	0	0	0	0	1	5.41
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	1	0	0	0	0	0	1	2.55
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	1	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 : 3

**TABLE 8**  
**THIRD QUARTER 2008**  
**PAGE 4 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-30 10:00 to 8- 9-30 12:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-30 10:00 to 8- 9-30 12:00

Stability Class: F delta T/ delta z 61-&gt;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)						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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-30 10:00 to 8- 9-30 12:00

Stability Class: G delta T/ delta z 61-&gt;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)						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

TABLE 8  
 THIRD QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8- 9-30 10:00 to 8- 9-30 12:00

Stability Class:ALL delta T/ delta z 61-&gt;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	1	0	0	0	0	1	5.41
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	1	0	0	0	0	0	1	2.55
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	1	0	0	0	0	0	1	3.56
NNW	0	0	0	0	0	0	0	0.00
Total	2	1	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 : 09-03-12

Data Period : 8-10- 7 10:00 to 8-10- 7 12:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	1	0	0	0	1	8.77
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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 1 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 7 10:00 to 8-10- 7 12:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	1	0	0	0	1	11.04
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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 2 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 7 10:00 to 8-10- 7 12:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	1	0	0	0	1	10.55
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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 3 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 7 10:00 to 8-10- 7 12:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 7 10:00 to 8-10- 7 12:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 7 10:00 to 8-10- 7 12:00

Stability Class: F delta T/ delta z 61-&gt;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 : 09-03-12

Data Period : 8-10- 7 10:00 to 8-10- 7 12:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10- 7 10:00 to 8-10- 7 12:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	3	0	0	0	3	10.12
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 : 09-03-12

Data Period : 8-10-22 10:00 to 8-10-22 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-22 10:00 to 8-10-22 17:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	2	0	0	0	0	6.17
ENE	0	1	1	0	0	0	7.34
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	3	1	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 : 8

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 2 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-22 10:00 to 8-10-22 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	1	1	0	0	0	2	7.32
ENE	0	0	1	0	0	0	1	10.65
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	1	2	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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-22 10:00 to 8-10-22 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	1	0	0	0	8.74
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-22 10:00 to 8-10-22 17:00

Stability Class: E delta T/ delta z 61-&gt;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 : 8

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 5 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-22 10:00 to 8-10-22 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm	:	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	:	8

TABLE 8  
FOURTH QUARTER 2008  
PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-22 10:00 to 8-10-22 17:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 7 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-22 10:00 to 8-10-22 17:00

Stability Class:ALL delta T/ delta z 61-&gt;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	3	2	0	0	0	5	7.14
ENE	0	1	2	0	0	0	3	8.44
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	4	4	0	0	0	8	

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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-27 09:00 to 8-10-27 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	4	2	0	0	6
NNW	0	0	0	1	0	0	1
Total	0	0	4	3	0	0	7

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 : 9

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 1 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-27 09:00 to 8-10-27 17:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	1	0	0	1	13.71
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	1	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 : 9

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 2 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-27 09:00 to 8-10-27 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						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 : 9

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-27 09:00 to 8-10-27 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	1	0	0	0	0	6.47
NW	0	0	0	0	0	0	0.00
NNW	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 : 9

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-27 09:00 to 8-10-27 17:00

Stability Class: E delta T/ delta z 61-&gt;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)						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 : 9

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-27 09:00 to 8-10-27 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 9

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 6 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-27 09:00 to 8-10-27 17:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 9

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 7 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-27 09:00 to 8-10-27 17:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						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 6.47
NW	0	0	4	3	0	0	7 12.80
NNW	0	0	0	1	0	0	1 13.48
Total	0	1	4	4	0	0	9

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 : 9

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-29 09:00 to 8-10-29 18:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	2	0	0	0	0	2	7.61
WNW	0	1	1	0	0	0	2	7.97
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	3	1	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				10				

TABLE 8  
FOURTH QUARTER 2008  
PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-29 09:00 to 8-10-29 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	1	0	0	0	1	8.17
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 : 10

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-29 09:00 to 8-10-29 18:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	1	0	0	0	0	1	7.77
WNW	0	1	0	0	0	0	1	4.39
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 : 10

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-29 09:00 to 8-10-29 18:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	1	0	0	0	0	1	6.24
W	0	1	0	0	0	0	1	4.46
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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-29 09:00 to 8-10-29 18:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	1	0	0	0	0	5.07
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 10

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-29 09:00 to 8-10-29 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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 : 10

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-29 09:00 to 8-10-29 18:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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 : 10

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-10-29 09:00 to 8-10-29 18:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	2	1	0	0	0	6.50
W	0	4	0	0	0	0	6.86
WNW	0	2	1	0	0	0	6.77
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	8	2	0	0	0	10

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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-19 14:00 to 8-11-19 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 1 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-19 14:00 to 8-11-19 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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	2	0	0	0	0	5.22
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 4

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-19 14:00 to 8-11-19 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	1	0	0	0	0	1	6.70
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 : 4

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 3 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-19 14:00 to 8-11-19 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	1	0	0	0	0	1	5.46
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 : 4

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 4 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-19 14:00 to 8-11-19 17:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-19 14:00 to 8-11-19 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 6 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-19 14:00 to 8-11-19 17:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-19 14:00 to 8-11-19 17:00

Stability Class:ALL delta T/ delta z 61-&gt;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	2	0	0	0	0	2	6.08
WSW	0	2	0	0	0	0	2	5.22
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	4	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 : 09-03-12

Data Period : 8-11-20 10:00 to 8-11-20 13:00

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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-20 10:00 to 8-11-20 13:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-20 10:00 to 8-11-20 13:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	1	0	0	0	0	0	1 3.36
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	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 : 4

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-20 10:00 to 8-11-20 13:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	1	0	0	0	0	0	1 2.13
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 2.64
W	0	0	0	0	0	0	0 0.00
WNW	1	0	0	0	0	0	1 2.56
NW	0	0	0	0	0	0	0 0.00
NNW	0	0	0	0	0	0	0 0.00
Total	3	0	0	0	0	0	3

Hours 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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-20 10:00 to 8-11-20 13:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-20 10:00 to 8-11-20 13:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-20 10:00 to 8-11-20 13:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-11-20 10:00 to 8-11-20 13:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	2	0	0	0	0	0	2 2.75
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 2.64
W	0	0	0	0	0	0	0 0.00
WNW	1	0	0	0	0	0	1 2.56
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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 1 12:00 to 8-12- 1 17:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 1 12:00 to 8-12- 1 17:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	1	0	0	0	1	11.69
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 : 6

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 1 12:00 to 8-12- 1 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	1	0	0	0	12.23
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 6

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 1 12:00 to 8-12- 1 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	3	0	0	0	3	11.06
W	0	0	1	0	0	0	1	12.32
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	4	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 : 6

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 1 12:00 to 8-12- 1 17:00

Stability Class: E delta T/ delta z 61-&gt;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	0.00

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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 1 12:00 to 8-12- 1 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 6 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 1 12:00 to 8-12- 1 17:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 1 12:00 to 8-12- 1 17:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	5	0	0	0	5	11.42
W	0	0	1	0	0	0	1	12.32
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	6	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 2 14:00 to 8-12- 2 15:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	1	0	0	0	0	1	6.47
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 : 2

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 2 14:00 to 8-12- 2 15:00

Stability Class: B delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	1	0	0	0	0	6.88
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 2

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 2 14:00 to 8-12- 2 15:00

Stability Class: C delta T/ delta z 61-&gt;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)						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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 2 14:00 to 8-12- 2 15:00

Stability Class: D delta T/ delta z 61-&gt;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)						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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 2 14:00 to 8-12- 2 15:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 5 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 2 14:00 to 8-12- 2 15:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 2 14:00 to 8-12- 2 15:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 7 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 2 14:00 to 8-12- 2 15:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	1	0	0	0	0	1	6.88
W	0	1	0	0	0	0	1	6.47
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 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 : 09-03-12

Data Period : 8-12- 9 08:00 to 8-12- 9 15:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 8

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 1 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 9 08:00 to 8-12- 9 15:00

Stability Class: B delta T/ delta z 61-&gt;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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 9 08:00 to 8-12- 9 15:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 9 08:00 to 8-12- 9 15:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	4	2	0	0	0	7.65
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	4	2	0	0	0	6

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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 9 08:00 to 8-12- 9 15:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	1	0	0	0	0	0	3.25
SSE	1	0	0	0	0	0	3.47
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	2	0	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 : 8

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 5 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 9 08:00 to 8-12- 9 15:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 8

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 6 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12  
 Data Period : 8-12- 9 08:00 to 8-12- 9 15:00  
 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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12- 9 08:00 to 8-12- 9 15:00

Stability Class: ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	1	0	0	0	0	0	1	3.25
SSE	1	4	2	0	0	0	7	7.05
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	2	4	2	0	0	0	8	

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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-18 10:00 to 8-12-18 17:00

Stability Class: A delta T/ delta z 61-&gt;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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 1 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-18 10:00 to 8-12-18 17:00

Stability Class: B delta T/ delta z 61-&gt;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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-18 10:00 to 8-12-18 17:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	2	0	0	0	0	5.90
WNW	0	2	0	0	0	0	5.19
NW	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0.00
Total	0	4	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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-18 10:00 to 8-12-18 17:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	1	0	0	0	0	0	1	3.23
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	5.63
W	0	1	0	0	0	0	1	5.00
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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 4 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-18 10:00 to 8-12-18 17:00

Stability Class: E delta T/ delta z 61-&gt;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)						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	0	0	0	0	0	1 3.32
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	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 : 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-18 10:00 to 8-12-18 17:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-18 10:00 to 8-12-18 17:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-18 10:00 to 8-12-18 17:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	Mean Speed
N	0	0	0	0	0	0	0	0.00
NNE	1	0	0	0	0	0	1	3.32
NE	0	0	0	0	0	0	0	0.00
ENE	1	0	0	0	0	0	1	3.23
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	5.63
W	0	3	0	0	0	0	3	5.60
WNW	0	2	0	0	0	0	2	5.19
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	2	6	0	0	0	0	8	

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 : 8

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 8 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-31 10:00 to 8-12-31 12:00

Stability Class: A delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 1 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-31 10:00 to 8-12-31 12:00

Stability Class: B delta T/ delta z 61-&gt;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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 2 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-31 10:00 to 8-12-31 12:00

Stability Class: C delta T/ delta z 61-&gt;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)						Mean 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	8.06
NW	0	0	1	0	0	0	1	12.49
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

TABLE 8  
FOURTH QUARTER 2008  
PAGE 3 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-31 10:00 to 8-12-31 12:00

Stability Class: D delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	1	0	0	0	0	1	6.49
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

**TABLE 8**  
**FOURTH QUARTER 2008**  
**PAGE 4 OF 8**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-31 10:00 to 8-12-31 12:00

Stability Class: E delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 5 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-31 10:00 to 8-12-31 12:00

Stability Class: F delta T/ delta z 61-&gt;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)						Mean Speed
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	
N	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0.00
NNW	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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 6 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-31 10:00 to 8-12-31 12:00

Stability Class: G delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total'	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	0	0	0	0	0	0	0.00
NW	0	0	0	0	0	0	0	0.00
NNW	0	0	0	0	0	0	0	0.00
Total	0	0	0	0	0	0	0	

Hours of Calm : 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

TABLE 8  
 FOURTH QUARTER 2008  
 PAGE 7 OF 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 09-03-12

Data Period : 8-12-31 10:00 to 8-12-31 12:00

Stability Class:ALL delta T/ delta z 61-&gt;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)						Mean Speed	
	0.75- <4	4- <8	8- <13	13- <19	19- 24	>24	Total	
N	0	0	0	0	0	0	0	0.00
NNE	0	0	0	0	0	0	0	0.00
NE	0	0	0	0	0	0	0	0.00
ENE	0	0	0	0	0	0	0	0.00
E	0	0	0	0	0	0	0	0.00
ESE	0	0	0	0	0	0	0	0.00
SE	0	0	0	0	0	0	0	0.00
SSE	0	0	0	0	0	0	0	0.00
S	0	0	0	0	0	0	0	0.00
SSW	0	0	0	0	0	0	0	0.00
SW	0	0	0	0	0	0	0	0.00
WSW	0	0	0	0	0	0	0	0.00
W	0	0	0	0	0	0	0	0.00
WNW	0	1	1	0	0	0	2	7.27
NW	0	0	1	0	0	0	1	12.49
NNW	0	0	0	0	0	0	0	0.00
Total	0	1	2	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