



Thomas D. Gatlin  
General Manager, Nuclear Plant Operations  
803.345.4342

April 24, 2008

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 AND  
OFFSITE DOSE CALCULATION MANUAL

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).

Also enclosed for your review are copies of Revisions 25 and 26 of the ODCM. This submittal is being made in accordance with the requirements of Technical Specification 6.14.2 and reflects changes to the ODCM during the period of January 1 through December 31, 2007.

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 ODCM  
w/o enclosure unless noted

K. B. Marsh  
S. A. Byrne  
N. S. Carns  
J. H. Hamilton  
R. J. White  
V. M. McCree  
R. E. Martin  
K. M. Sutton  
NRC Resident Inspector

M. Coleman  
M. B. Roberts  
NSRC  
T. P. O'Kelley, (SCDHEC), (w/enclosure)  
E. Everett, (ANI), (w/enclosure)  
RTS (LTD 313)  
File (818.02-1, RR 8350)  
PRSF (RC-08-0057), (w/enclosure)

IE48  
A009  
NLR

VIRGIL C. SUMMER  
JENKINSVILLE, SOUTH CAROLINA

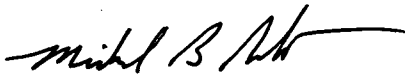
**ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT  
VIRGIL C. SUMMER NUCLEAR STATION**

**FOR THE OPERATING PERIOD  
JANUARY 1, 2007 - DECEMBER 31, 2007**

**APRIL 2008**



Prepared by:



---

Michael Roberts, Supervisor  
Health Physics

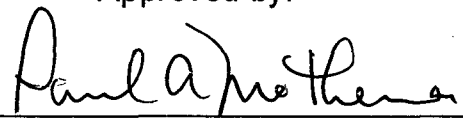
Reviewed by:



---

Moses Coleman, Supervisor  
Health Physics

Approved by:



---

Paul Mothena, Manager  
Health Physics and Safety Services

# **ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT**

**JANUARY – DECEMBER, 2007**

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

This report is being submitted as a summary of quantities of radioactive liquid and gaseous effluents and solid waste released from the Virgil C. Summer Nuclear Station. This report satisfies the requirements in Sections 6.9.1.8 and 6.14.2 of Technical Specifications, Section 1.6.2 of the Offsite Dose Calculation Manual (ODCM), and 10CFR50.36(a). Also included is an assessment of radiation doses from plant releases.

A brief discussion of the Supplemental Information and Tables 1 through 5 is presented in Sections A through D. An evaluation of the radiological impact on man due to operation of the Virgil C. Summer Nuclear Station is presented in Section E and Table 6. There were no abnormal releases for the period. A summary of the meteorological data for 2007 is presented in Section G and Tables 7 and 8. Section H gives a summary of two 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 to support a Combined Operating License Application.

### **A. Supplemental Information**

Regulatory limits for doses, dose rate and effluent concentration limits presented in Supplemental Information are from the Virgil C. Summer Nuclear Station ODCM and 40 CFR 190. Average energy ( $\bar{E}$ ) is not applicable to the method for determining release rate limits for fission and activation gaseous effluents; therefore, it has been omitted.

### **B. Gaseous Effluents**

Gaseous effluents released from ground level are summarized in Tables 1 and 2. An elevated release pathway does not exist at Virgil C. Summer Nuclear Station. Cumulative doses are discussed in Section E.

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

# ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT

JANUARY – DECEMBER, 2007

## 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, 0.1 days of 6-inch Reactor Building purge releases, no 36-inch Reactor Building purge releases and a continuous 12-month Main Plant vent release. Oil incineration for 74.3 hours in 2007. 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  $2.84\text{E-}04$  mrad for gamma and  $3.64\text{E-}4$  mrad for beta during the fourth quarter. The maximum quarterly organ dose attributed to the releases was  $2.31\text{E-}03$  mrem for the first quarter. Cumulative annual dose was  $3.98\text{E-}04$  mrad,  $5.08\text{E-}4$  mrad and  $2.31\text{E-}03$  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 112 Waste Monitor Tank batch releases, no Condensate Backwash Receiver Tank batch releases, 1 NaOH batch release, 10.9 days of Steam Generator Blowdown release and a continuous Turbine Building Sump release.

# **ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT**

**JANUARY – DECEMBER, 2007**

## **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  $5.76\text{E-}4$  mrem during the third quarter. The highest organ dose was  $6.39\text{E-}4$  mrem to the LIVER for the first quarter. Cumulative annual doses for the hypothetical maximally exposed individual were  $1.61\text{E-}3$  mrem for the total body and  $1.87\text{E-}3$  mrem for the LIVER, the maximum annual organ. The LIVER was the maximum exposed organ for the first through fourth 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 2007 quarterly dose rates did not differ significantly from the pre-operational or 2006 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  $1.87\text{E-}5$  and  $2.39\text{E-}5$  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 EFFLUENT RADIOACTIVE RELEASE REPORT**

**JANUARY – DECEMBER, 2007**

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

### **F. Abnormal Releases**

During 2007, the plant had no abnormal releases.

### **G. Meteorology**

The meteorology data for 2007 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 100%. Primary variable recovery rates were as follows: wind direction (10 m) – 100%, wind speed (10 m) – 100%, and differential temperature (61 - 10 m) – 100%.

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

The Virgil C. Summer Nuclear Station ODCM was revised on January 9, 2007 and September 18, 2007.

Revision 25 implemented the recommendations of the NEI Industry Groundwater Protection Initiative. This increased the number of groundwater monitoring wells and defined reporting criteria for actual or potential groundwater contamination events. The LLDs for Noble Gas in Gaseous Effluents and Ce-144 in Liquid Effluents were changed to comply with NUREG 1301.

Revision 26 established annual reporting requirements for major changes to radioactive waste treatment system due to the elimination of the Monthly Operating Report in Technical Specification Amendment 175. Modified the NEI Industry Groundwater Protection Initiative reporting requirements to conform to NEI 07-07 issued August 31, 2007.

# **ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT**

**JANUARY – DECEMBER, 2007**

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

Relocated an air sampler to support licensing of a new facility. Additionally corrections were made for formatting, grammatical and typographical errors in both revisions.

### **I. Oil Incineration**

The incinerator operated for a period of 74.3 hours, burning 357 gallons of oil at the average rate of 4.8 gal/hr. The incinerated oil contained concentrations of  $6.83\text{E-}09$  uCi/ml for Mn-54,  $4.59\text{E-}08$  uCi/ml for Co-60,  $6.93\text{E-}9$  uCi/ml for Cs-134 and  $1.49\text{E-}08$  uCi/ml for Cs-137. The dose to the maximum exposed individual from the incinerated oil was  $1.29\text{E-}06$  mrem.

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

There were no ODCM Reportable Incidences in 2007.

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

The station is preparing a Combined Operating License Application for two new units. Thirty-one groundwater monitoring wells were installed to support this application. Sampling of seven wells for chemical and radiological analysis began in July of 2007. Tritium was identified in a single well located 1.03 miles SSW of the existing unit at a level of  $2.26\text{E+}03$  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. Additional investigation and sampling is ongoing.

# **ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT**

**JANUARY – DECEMBER, 2007**

**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 EFFLUENT RADIOACTIVE RELEASE REPORT**

**JANUARY – DECEMBER, 2007**

## **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  $\mu\text{Ci/ml}$  total activity (ODCM, Section 1.1.2.1).

### **3. Average Energy:**

Not Applicable

### **4. Measurements and Approximations of Total Radioactivity:**

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

#### **b. Iodines: Gamma spectrometry (HPGe)**

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

#### **d. Tritium: Liquid scintillation**

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

# ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT

JANUARY – DECEMBER, 2007

## 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:

|    |                          |
|----|--------------------------|
| 35 | For first quarter, 2007  |
| 21 | For second quarter, 2007 |
| 30 | For third quarter, 2007  |
| 26 | For fourth quarter, 2007 |

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

|          |                               |
|----------|-------------------------------|
| 2.73E+03 | min. for first quarter, 2007  |
| 1.61E+03 | min. for second quarter, 2007 |
| 2.25E+03 | min. for third quarter, 2007  |
| 1.95E+03 | min. for fourth quarter 2007  |

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

|          |                               |
|----------|-------------------------------|
| 9.20E+01 | min. for first quarter, 2007  |
| 8.00E+01 | min. for second quarter, 2007 |
| 8.20E+01 | min. for third quarter, 2007  |
| 8.00E+01 | min. for fourth quarter, 2007 |

# ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT

JANUARY – DECEMBER, 2007

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

4. Average time period for batch releases:

7.79E+01 min. for first quarter, 2007  
7.64E+01 min. for second quarter, 2007  
7.51E+01 min. for third quarter, 2007  
7.24E+01 min. for fourth quarter, 2007

5. Minimum time period for a batch release:

7.20E+01 min. for first quarter, 2007  
7.30E+01 min. for second quarter, 2007  
6.80E+01 min. for third quarter, 2007  
5.00E+00 min. for fourth quarter, 2007

6. Average stream flow during periods of release of effluent into a flowing stream for 2007:

8.36E+06 gpm for first quarter, 2007  
1.05E+07 gpm for second quarter, 2007  
1.06E+07 gpm for third quarter, 2007  
7.78E+06 gpm for fourth quarter, 2007

6. Abnormal Releases:

a. Gaseous:

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

b. Liquid:

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

**ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT**  
January - December 2007

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

**Table 1**  
**Gaseous Effluents Summation of All Releases**

|                                             | UNITS     | FIRST<br>QUARTER | SECOND<br>QUARTER | THIRD<br>QUARTER | FOURTH<br>QUARTER | 2007<br>TOTAL | EST.<br>ERROR % |
|---------------------------------------------|-----------|------------------|-------------------|------------------|-------------------|---------------|-----------------|
| <b>A. Fission &amp; Activation Gases</b>    |           |                  |                   |                  |                   |               |                 |
| 1. Total release                            | Ci        | 0.00E+00         | 1.05E-03          | 2.92E-01         | 7.40E-01          | 1.03E+00      | 25.49           |
| 2. Average release rate                     | uCi / sec | 0.00E+00         | 1.33E-04          | 3.67E-02         | 9.31E-02          | 3.28E-02      |                 |
| 3. Percent ODCM Qtr. gamma air dose limit   | %         | 0.00E+00         | 3.61E-05          | 2.24E-03         | 5.69E-03          | N/A           |                 |
| 4. Percent ODCM annual gamma air dose limit | %         | 0.00E+00         | 1.81E-05 *        | 1.14E-03 *       | 3.98E-03 *        | 3.98E-03      |                 |
| 5. Percent ODCM Qtr. beta air dose limit    | %         | 0.00E+00         | 6.51E-06          | 1.43E-03         | 3.64E-03          | N/A           |                 |
| 6. Percent ODCM annual beta air dose limit  | %         | 0.00E+00         | 3.26E-06 *        | 7.21E-04 *       | 2.54E-03 *        | 2.54E-03      |                 |
| <b>B. Iodines</b>                           |           |                  |                   |                  |                   |               |                 |
| 1. Total iodine - 131                       | Ci        | 0.00E+00         | 0.00E+00          | 0.00E+00         | 0.00E+00          | 0.00E+00      | N/A             |
| 2. Average release rate                     | uCi / sec | 0.00E+00         | 0.00E+00          | 0.00E+00         | 0.00E+00          | 0.00E+00      |                 |
| <b>C. Particulates</b>                      |           |                  |                   |                  |                   |               |                 |
| 1. Particulates with half - lifes > 8 days  | Ci        | 8.91E-06         | 9.36E-06          | 1.20E-05         | 6.13E-06          | 3.64E-05      | 52.15           |
| 2. Average release rate                     | uCi / sec | 1.15E-06         | 1.19E-06          | 1.51E-06         | 7.71E-07          | 1.15E-06      |                 |
| 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        | 4.38E+00         | 4.81E-03          | 0.00E+00         | 7.81E-04          | 4.39E+00      | 20.73           |
| 2. Average release rate                     | uCi / sec | 5.63E-01         | 6.12E-04          | 0.00E+00         | 9.82E-05          | 1.39E-01      |                 |
| <b>E. Organ Dose (from B,C,and D)</b>       |           |                  |                   |                  |                   |               |                 |
| 1. Percent ODCM Qtr. organ dose limit       | %         | 3.08E-02         | 3.38E-05          | 0.00E+00         | 5.49E-06          | N/A           |                 |
| 2. Percent ODCM annual organ dose limit     | %         | 1.54E-02         | 1.54E-02 *        | 1.54E-02 *       | 1.54E-02 *        | 1.54E-02      |                 |

\* Cumulative

**ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT**  
**JANUARY - DECEMBER, 2007**

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

| Continuous Mode              |       |               |                |               |                |              | Batch Mode    |                |               |                |              |
|------------------------------|-------|---------------|----------------|---------------|----------------|--------------|---------------|----------------|---------------|----------------|--------------|
| Nuclides Released            | Units | First Quarter | Second Quarter | Third Quarter | Fourth Quarter | Annual Total | First Quarter | Second Quarter | Third Quarter | Fourth Quarter | Annual Total |
| 1 Fission gases              |       |               |                |               |                |              |               |                |               |                |              |
| Krypton-85                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Krypton-85m                  | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Krypton-87                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Krypton-88                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Xenon-131m                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Xenon-133                    | Ci    | 0             | 8.02E-05       | 0             | 3.68E-04       | 4.48E-04     | 0             | 0              | 0             | 0              | 0            |
| Xenon-133m                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Xenon-135                    | Ci    | 0             | 0              | 2.92E-01      | 7.39E-01       | 1.03E+00     | 0             | 0              | 0             | 0              | 0            |
| Xenon-135m                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Xenon-138                    | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Other: Ar-41                 | Ci    | 0             | 9.69E-04       | 0             | 5.90E-04       | 1.56E-03     | 0             | 0              | 0             | 0              | 0            |
| Unidentified: None           | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Total for Period             | Ci    | 0             | 1.05E-03       | 2.92E-01      | 7.40E-01       | 1.03E+00     | 0             | 0              | 0             | 0              | 0            |
| 2 Iodines and other halogens |       |               |                |               |                |              |               |                |               |                |              |
| Iodine-131                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Iodine-132                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Iodine-133                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Br-82                        | Ci    | 0             | 1.26E-08       | 0             | 0              | 1.26E-08     | 0             | 0              | 0             | 0              | 0            |
| Unidentified: None           | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Total for Period             | Ci    | 0             | 1.26E-08       | 0             | 0              | 1.26E-08     | 0             | 0              | 0             | 0              | 0            |
| 3 Particulates               |       |               |                |               |                |              |               |                |               |                |              |
| Cromium-51                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Manganese-54                 | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Cobalt-58                    | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Cobalt-60                    | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Stronium-89                  | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Stronium-90                  | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Niobium-95                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Cesium-134                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Cesium-137                   | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Other: Be-7                  | Ci    | 8.91E-06      | 9.36E-06       | 1.20E-05      | 6.13E-06       | 3.64E-05     | 0             | 0              | 0             | 0              | 0            |
| Unidentified: None           | Ci    | 0             | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Total for Period             | Ci    | 8.91E-06      | 9.36E-06       | 1.20E-05      | 6.13E-06       | 3.64E-05     | 0             | 0              | 0             | 0              | 0            |

**ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT  
JANUARY-DECEMBER, 2007**

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

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

|                                                | UNITS  | FIRST<br>QUARTER | SECOND<br>QUARTER | THIRD<br>QUARTER | FOURTH<br>QUARTER | 2007<br>TOTAL | EST.<br>ERROR % |
|------------------------------------------------|--------|------------------|-------------------|------------------|-------------------|---------------|-----------------|
| <b>A. Fission &amp; Activation Products</b>    |        |                  |                   |                  |                   |               |                 |
| 1. Total release                               | Ci     | 7.32E-03         | 1.93E-03          | 4.32E-03         | 2.69E-03          | 1.63E-02      | 27.94           |
| 2. Average diluted concentration               | uCi/ml | 2.52E-11         | 5.81E-12          | 1.23E-11         | 8.23E-12          | 1.25E-11      |                 |
| <b>B. Tritium</b>                              |        |                  |                   |                  |                   |               |                 |
| 1. Total release                               | Ci     | 5.10E+01         | 6.23E+00          | 7.83E+01         | 3.39E+01          | 1.69E+02      | 18.15           |
| 2. Average diluted concentration               | uCi/ml | 1.75E-07         | 1.87E-08          | 2.23E-07         | 1.04E-07          | 1.30E-07      |                 |
| <b>C. Dissolved and entrained gases</b>        |        |                  |                   |                  |                   |               |                 |
| 1. Total release                               | Ci     | 1.17E-03         | 9.10E-06          | 7.96E-06         | 7.86E-06          | 1.19E-03      | 19.23           |
| 2. Average diluted concentration               | uCi/ml | 4.01E-12         | 2.73E-14          | 2.27E-14         | 2.41E-14          | 9.15E-13      |                 |
| 3. Percent ODCM limit ( 2.0E-4 uCi/ml )        | %      | 2.00E-06         | 1.37E-08          | 1.13E-08         | 1.20E-08          | 4.57E-07      |                 |
| <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        | %      | 3.53E-02         | 8.56E-03          | 3.84E-02         | 2.52E-02          | N/A           |                 |
| 2. Percent of ODCM annual total body limit     | %      | 1.77E-02         | 2.19E-02 *        | 4.11E-02 *       | 5.37E-02 *        | 5.37E-02 *    |                 |
| 3. Percent of ODCM Qtr max. organ limit**      | %      | 1.28E-02         | 3.23E-03          | 1.27E-02         | 8.67E-03          | N/A           |                 |
| 4. Percent of ODCM annual max. organ limit**   | %      | 6.39E-03         | 8.00E-03 *        | 1.43E-02 *       | 1.87E-02 *        | 1.87E-02 *    |                 |
| <b>E. Volume of waste released (undiluted)</b> | liters | 8.80E+06         | 1.05E+07          | 8.63E+06         | 8.98E+06          | 3.69E+07      | 3.0             |
| <b>F. Volume of dilution water</b>             | liters | 2.91E+11         | 3.33E+11          | 3.51E+11         | 3.27E+11          | 1.30E+12      | 4.3             |

\* Cumulative

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

# ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT

JANUARY - DECEMBER, 2007

*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            | 0             | 0              | 1.69E-05      | 5.26E-06       | 2.22E-05     |
| Strontium-90             | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 0              | 1.73E-05      | 6.84E-06       | 2.41E-05     |
| Cesium-134               | Ci    | 0               | 0              | 0             | 0              | 0            | 4.66E-04      | 1.68E-04       | 3.76E-04      | 2.02E-04       | 1.21E-03     |
| Cesium-137               | Ci    | 0               | 0              | 0             | 0              | 0            | 4.79E-04      | 1.89E-04       | 4.72E-04      | 2.85E-04       | 1.43E-03     |
| Iodine-131               | Ci    | 0               | 0              | 0             | 0              | 0            | 5.75E-06      | 4.96E-06       | 0             | 0              | 1.07E-05     |
|                          |       |                 |                |               |                |              |               |                |               |                |              |
| Cobalt-57                | Ci    | 0               | 0              | 0             | 0              | 0            | 1.25E-06      | 0              | 0             | 0              | 1.25E-06     |
| Cobalt-58                | Ci    | 0               | 0              | 0             | 0              | 0            | 1.57E-03      | 1.74E-04       | 1.21E-04      | 7.68E-05       | 1.94E-03     |
| Cobalt-60                | Ci    | 0               | 0              | 0             | 0              | 0            | 1.18E-03      | 4.11E-04       | 7.85E-04      | 8.52E-04       | 3.23E-03     |
| Iron-59                  | Ci    | 0               | 0              | 0             | 0              | 0            | 6.95E-06      | 0              | 0             | 0              | 6.95E-06     |
| Zinc-65                  | Ci    | 0               | 0              | 0             | 0              | 0            | 5.25E-06      | 0              | 0             | 0              | 5.25E-06     |
| Manganese-54             | Ci    | 0               | 0              | 0             | 0              | 0            | 2.76E-04      | 7.97E-05       | 1.12E-04      | 1.39E-04       | 6.07E-04     |
| Chromium-51              | Ci    | 0               | 0              | 0             | 0              | 0            | 1.21E-04      | 0              | 0             | 0              | 1.21E-04     |
| Zirconium-Niobium-95     | Ci    | 0               | 0              | 0             | 0              | 0            | 2.84E-04      | 7.64E-06       | 3.89E-06      | 1.01E-05       | 3.06E-04     |
| Molybdenum-99            | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Technetium-99m           | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 1.16E-06       | 1.16E-06     |
| Cerium-141               | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Cerium-144               | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 5.37E-06       | 5.37E-06     |
|                          |       |                 |                |               |                |              |               |                |               |                |              |
| Other: Be-7              | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 4.72E-05       | 4.96E-05      | 1.21E-05       | 1.09E-04     |
| Fe-55                    | Ci    | 0               | 0              | 0             | 0              | 0            | 2.11E-03      | 6.70E-04       | 1.97E-03      | 8.59E-04       | 5.61E-03     |
| Ru-103                   | Ci    | 0               | 0              | 0             | 0              | 0            | 7.66E-07      | 0              | 0             | 0              | 7.66E-07     |
| Ru-106                   | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 6.12E-06       | 0             | 0              | 6.12E-06     |
| Ag-110m                  | Ci    | 0               | 0              | 0             | 0              | 0            | 9.51E-07      | 0              | 1.76E-06      | 0              | 2.71E-06     |
| Sb-122                   | Ci    | 0               | 0              | 0             | 0              | 0            | 1.18E-05      | 8.44E-07       | 0             | 0              | 1.26E-05     |
| Sb-124                   | Ci    | 0               | 0              | 0             | 0              | 0            | 6.46E-07      | 0              | 0             | 0              | 6.46E-07     |
| Sb-125                   | Ci    | 0               | 0              | 0             | 0              | 0            | 1.59E-04      | 1.76E-04       | 3.95E-04      | 2.35E-04       | 9.65E-04     |
| Te-125m                  | Ci    | 0               | 0              | 0             | 0              | 0            | 6.34E-04      | 0              | 0             | 0              | 6.34E-04     |
| Te-132                   | Ci    | 0               | 0              | 0             | 0              | 0            | 1.36E-05      | 0              | 0             | 0              | 1.36E-05     |
| I-133                    | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 1.33E-06       | 1.33E-06     |
| Unidentified: None       | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Total for Period (above) | Ci    | 0               | 0              | 0             | 0              | 0            | 7.33E-03      | 1.93E-03       | 4.32E-03      | 2.69E-03       | 1.63E-02     |
|                          |       |                 |                |               |                |              |               |                |               |                |              |
| Xenon-133                | Ci    | 0               | 0              | 0             | 0              | 0            | 1.16E-03      | 6.97E-06       | 7.96E-06      | 7.86E-06       | 1.18E-03     |
| Xenon-135                | Ci    | 0               | 0              | 0             | 0              | 0            | 3.75E-06      | 2.13E-06       | 0             | 0              | 5.88E-06     |
| Unidentified: None       | Ci    | 0               | 0              | 0             | 0              | 0            | 0             | 0              | 0             | 0              | 0            |
| Total Entrained Gases    | Ci    | 0               | 0              | 0             | 0              | 0            | 1.16E-03      | 9.10E-06       | 7.96E-06      | 7.86E-06       | 1.19E-03     |

\*Tritium not included. See Table 3 for tritium numbers

**ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT**  
January - December, 2007

*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     | 2007 Total           | Est. Total Error, % |
|------------------------------------------------------------|----------|----------------------|---------------------|
| a. Spent resins, filters, sludge, evaporator bottoms, etc. | m3<br>Ci | 2.43E+01<br>3.06E-02 | +/-25               |
| b. Dry compressible waste contaminated equip., etc.        | m3<br>Ci | 4.68E+01<br>3.06E+00 | +/-25               |
| c. Irradiated components, control rods, etc.               | m3<br>Ci | 0<br>0               | N/A                 |
| d. Other (carpet)                                          | m3<br>Ci | 6.09E+00<br>1.12E-06 | +/-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. | H-3    | 52.4% | 1.60E-02 |
|    | Fe-55  | 23.6% | 7.21E-03 |
|    | Ni-63  | 9.7%  | 2.97E-03 |
|    | Co-60  | 7.4%  | 2.25E-03 |
|    | Pu-241 | 1.7%  | 5.07E-04 |
|    | Sb-125 | 1.4%  | 4.26E-04 |
|    | Ce-144 | 1.2%  | 3.55E-04 |
| b. | Fe-55  | 47.9% | 1.46E+0  |
|    | Co-60  | 16.0% | 4.88E-01 |
|    | Ni-63  | 11.5% | 3.52E-01 |
|    | Nb-95  | 4.5%  | 1.38E-01 |
|    | C-14   | 4.4%  | 1.36E-01 |
|    | Mn-54  | 3.8%  | 1.17E-01 |
|    | Co-58  | 3.6%  | 1.11E-01 |
|    | Zr-95  | 2.6%  | 8.00E-02 |
|    | Cs-134 | 1.7%  | 5.32E-02 |
|    | Cs-137 | 1.5%  | 4.61E-02 |
| c. | None   | N/A   | N/A      |
| d. | Fe-55  | 37.6% | 4.19E-07 |
|    | Co-60  | 25.4% | 2.84E-07 |
|    | Ni-63  | 15.9% | 1.77E-07 |
|    | Cs-137 | 12.0% | 1.34E-07 |
|    | Ce-144 | 3.1%  | 3.46E-08 |
|    | Sr-90  | 2.8%  | 3.08E-08 |
|    | C-14   | 1.3%  | 1.44E-08 |

ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT  
January - December, 2007

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

Table 5

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

3A. Solid waste Disposition

| Numbers of Shipments | Mode of Transportation | Destination                     |
|----------------------|------------------------|---------------------------------|
| 3                    | Hittman Trucking       | Energy Solutions TN             |
| 1                    | Hittman Trucking       | Barnwell, S.C.                  |
| 1                    | Hittman Trucking       | Diversified Scientific Services |

Note: 17 are partial shipments of DAW from Duratek (Oak Ridge) to Envirocare

3B. Irradiated Fuel Shipments (Disposition)

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

# ANNUAL EFFLUENT RADIOACTIVE RELEASE REPORT

JANUARY - DECEMBER 2007

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

Table 6  
GASEOUS AND LIQUID DOSES

| ODCM<br>Section | GASEOUS LIMITS                             | FIRST QUARTER            |                      | SECOND QUARTER           |                        | THIRD QUARTER            |                        | FOURTH QUARTER           |                        | TOTAL<br>ANNUAL<br>DOSE |
|-----------------|--------------------------------------------|--------------------------|----------------------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|-------------------------|
|                 |                                            | DOSE                     | Percent<br>of Limit  | DOSE                     | Percent<br>of Limit    | DOSE                     | Percent<br>of Limit    | DOSE                     | Percent<br>of Limit    |                         |
| 1.2.3.1.a,b     | 5 mrad gamma / qtr.<br>10 mrad gamma / yr. | 0.00E+00 mrad            | 0.00E+00<br>0.00E+00 | 1.81E-06 mrad            | 3.61E-05<br>1.81E-05 * | 1.12E-04 mrad            | 2.24E-03<br>1.14E-03 * | 2.84E-04 mrad            | 5.69E-03<br>3.98E-03 * | 3.98E-04                |
| 1.2.3.1.a,b     | 10 mrad beta / qtr.<br>20 mrad beta / yr.  | 0.00E+00 mrad            | 0.00E+00<br>0.00E+00 | 6.51E-07 mrad            | 6.51E-06<br>3.26E-06 * | 1.43E-04 mrad            | 1.43E-03<br>7.21E-04 * | 3.64E-04 mrad            | 3.64E-03<br>2.54E-03 * | 5.08E-04                |
| 1.2.4.1.a,b     | 7.5 mrem organ/qtr<br>15 mrem organ/yr.    | 2.31E-03 mrem**          | 3.08E-02<br>1.54E-02 | 2.54E-06 mrem**          | 3.38E-05<br>1.54E-02 * | 0.00E+00 mrem**          | 0.00E+00<br>1.54E-02 * | 4.11E-07 mrem**          | 5.49E-06<br>1.54E-02 * | 2.31E-03                |
| 1.1.3.1a,b      | <b>LIQUID LIMITS</b>                       |                          |                      |                          |                        |                          |                        |                          |                        |                         |
|                 | 1.5 mrem / qtr.<br>3 mrem / yr.            | 5.30E-04 mrem            | 3.53E-02<br>1.77E-02 | 1.28E-04 mrem            | 8.56E-03<br>2.19E-02 * | 5.76E-04 mrem            | 3.84E-02<br>4.11E-02 * | 3.78E-04 mrem            | 2.52E-02<br>5.37E-02 * | 1.61E-03                |
| 1.1.3.1a,b      | 5 mrem organ/qtr***<br>10 mrem organ/yr.   | 6.39E-04 mrem<br>(Liver) | 1.28E-02<br>6.39E-03 | 1.61E-04 mrem<br>(Liver) | 3.23E-03<br>8.00E-03 * | 6.33E-04 mrem<br>(Liver) | 1.27E-02<br>1.43E-02 * | 4.34E-04 mrem<br>(Liver) | 8.67E-03<br>1.87E-02 * | 1.87E-03<br>(Liver)     |

\* Includes contribution from previous quarters

\*\* Includes dose from all nuclides

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

**TABLE 7**

**JOINT FREQUENCY DISTRIBUTION**

**BY QUARTER FOR 2007**

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 1- 1 00:00 to 7- 3-31 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 1     | 0      | 1       | 0      | 0   | 2     | 10.31         |
| NNE               | 0                       | 1     | 1      | 0       | 0      | 0   | 2     | 6.75          |
| NE                | 0                       | 3     | 6      | 1       | 0      | 0   | 10    | 10.35         |
| ENE               | 0                       | 2     | 0      | 0       | 0      | 0   | 2     | 7.67          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 11.28         |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 3      | 0       | 0      | 0   | 3     | 10.44         |
| SSW               | 0                       | 1     | 3      | 0       | 0      | 0   | 4     | 8.91          |
| SW                | 0                       | 7     | 5      | 0       | 0      | 0   | 12    | 7.75          |
| WSW               | 0                       | 31    | 6      | 1       | 0      | 0   | 38    | 7.24          |
| W                 | 0                       | 10    | 12     | 3       | 0      | 0   | 25    | 9.13          |
| WNW               | 0                       | 15    | 12     | 0       | 0      | 0   | 27    | 7.80          |
| NW                | 0                       | 6     | 4      | 5       | 0      | 0   | 15    | 10.53         |
| NNW               | 2                       | 2     | 3      | 0       | 0      | 0   | 7     | 7.49          |
| Total             | 2                       | 79    | 56     | 11      | 0      | 0   | 148   |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 1- 1 00:00 to 7- 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 2                       | 4     | 2      | 2       | 0      | 0   | 10    | 7.72          |
| NNE               | 1                       | 4     | 4      | 0       | 7      | 0   | 16    | 13.36         |
| NE                | 1                       | 3     | 5      | 3       | 0      | 0   | 12    | 9.23          |
| ENE               | 0                       | 1     | 4      | 1       | 0      | 0   | 6     | 9.56          |
| E                 | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 8.78          |
| ESE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.60          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 4.00          |
| S                 | 0                       | 2     | 0      | 0       | 0      | 0   | 2     | 5.75          |
| SSW               | 0                       | 4     | 2      | 0       | 0      | 0   | 6     | 7.41          |
| SW                | 1                       | 15    | 6      | 0       | 0      | 0   | 22    | 6.94          |
| WSW               | 3                       | 10    | 0      | 0       | 0      | 0   | 13    | 5.83          |
| W                 | 1                       | 6     | 3      | 2       | 0      | 0   | 12    | 8.58          |
| WNW               | 1                       | 7     | 3      | 1       | 0      | 0   | 12    | 6.99          |
| NW                | 0                       | 4     | 4      | 1       | 0      | 0   | 9     | 8.44          |
| NNW               | 2                       | 3     | 0      | 3       | 0      | 0   | 8     | 9.16          |
| Total             | 13                      | 64    | 34     | 13      | 7      | 0   | 131   |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 1- 1 00:00 to 7- 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 1                       | 3     | 1      | 3       | 1      | 0   | 9     | 10.61         |
| NNE               | 1                       | 8     | 5      | 6       | 0      | 0   | 20    | 9.87          |
| NE                | 3                       | 4     | 8      | 2       | 0      | 0   | 17    | 8.63          |
| ENE               | 1                       | 2     | 6      | 2       | 0      | 0   | 11    | 10.08         |
| E                 | 0                       | 3     | 0      | 0       | 0      | 0   | 3     | 5.39          |
| ESE               | 0                       | 2     | 0      | 0       | 0      | 0   | 2     | 6.82          |
| SE                | 0                       | 3     | 0      | 0       | 0      | 0   | 3     | 4.84          |
| SSE               | 0                       | 4     | 1      | 0       | 0      | 0   | 5     | 6.67          |
| S                 | 1                       | 1     | 2      | 0       | 0      | 0   | 4     | 6.83          |
| SSW               | 3                       | 3     | 1      | 0       | 0      | 0   | 7     | 5.92          |
| SW                | 1                       | 18    | 1      | 0       | 0      | 0   | 20    | 5.88          |
| WSW               | 2                       | 12    | 0      | 0       | 0      | 0   | 14    | 6.00          |
| W                 | 2                       | 8     | 2      | 3       | 0      | 0   | 15    | 7.85          |
| WNW               | 0                       | 6     | 3      | 1       | 0      | 0   | 10    | 7.55          |
| NW                | 1                       | 7     | 1      | 0       | 0      | 0   | 9     | 6.33          |
| NNW               | 4                       | 2     | 5      | 4       | 3      | 0   | 18    | 11.32         |
| Total             | 20                      | 86    | 36     | 21      | 4      | 0   | 167   |               |

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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 1- 1 00:00 to 7- 3-31 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 11                      | 13    | 8      | 4       | 2      | 0   | 38    | 7.71          |
| NNE               | 8                       | 26    | 19     | 9       | 0      | 0   | 62    | 8.14          |
| NE                | 7                       | 30    | 27     | 6       | 1      | 0   | 71    | 8.22          |
| ENE               | 4                       | 17    | 23     | 6       | 0      | 0   | 50    | 8.86          |
| E                 | 1                       | 18    | 5      | 0       | 0      | 0   | 24    | 6.45          |
| ESE               | 3                       | 27    | 0      | 0       | 0      | 0   | 30    | 6.08          |
| SE                | 3                       | 28    | 12     | 0       | 0      | 0   | 43    | 6.68          |
| SSE               | 2                       | 18    | 10     | 1       | 0      | 0   | 31    | 7.91          |
| S                 | 5                       | 15    | 16     | 5       | 1      | 0   | 42    | 8.86          |
| SSW               | 5                       | 26    | 28     | 3       | 0      | 0   | 62    | 8.02          |
| SW                | 14                      | 53    | 5      | 0       | 0      | 0   | 72    | 5.69          |
| WSW               | 15                      | 47    | 9      | 0       | 0      | 0   | 71    | 5.54          |
| W                 | 23                      | 51    | 19     | 7       | 0      | 0   | 100   | 6.39          |
| WNW               | 14                      | 18    | 4      | 1       | 0      | 0   | 37    | 5.22          |
| NW                | 6                       | 18    | 10     | 0       | 0      | 0   | 34    | 6.40          |
| NNW               | 7                       | 15    | 10     | 2       | 0      | 0   | 34    | 7.06          |
| Total             | 128                     | 420   | 205    | 44      | 4      | 0   | 801   |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 1- 1 00:00 to 7- 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 7                       | 15    | 0      | 0       | 0      | 0   | 22    | 4.61          |
| NNE               | 11                      | 3     | 0      | 0       | 0      | 0   | 22    | 4.67          |
| NE                | 4                       | 13    | 0      | 0       | 0      | 0   | 17    | 5.25          |
| ENE               | 4                       | 4     | 2      | 0       | 0      | 0   | 10    | 5.26          |
| E                 | 6                       | 11    | 0      | 0       | 0      | 0   | 17    | 5.16          |
| ESE               | 5                       | 12    | 2      | 0       | 0      | 0   | 17    | 5.30          |
| SE                | 2                       | 24    | 4      | 0       | 0      | 0   | 30    | 6.15          |
| SSE               | 7                       | 20    | 2      | 0       | 0      | 0   | 29    | 5.09          |
| S                 | 4                       | 19    | 6      | 0       | 0      | 0   | 29    | 6.02          |
| SSW               | 24                      | 49    | 5      | 0       | 0      | 0   | 78    | 5.21          |
| SW                | 37                      | 35    | 3      | 0       | 0      | 0   | 75    | 4.30          |
| WSW               | 23                      | 40    | 5      | 0       | 0      | 0   | 68    | 4.87          |
| W                 | 16                      | 41    | 2      | 0       | 0      | 0   | 59    | 4.98          |
| WNW               | 15                      | 17    | 0      | 0       | 0      | 0   | 32    | 3.99          |
| NW                | 5                       | 15    | 3      | 0       | 0      | 0   | 23    | 5.55          |
| NNW               | 3                       | 7     | 1      | 0       | 0      | 0   | 11    | 5.04          |
| Total             | 173                     | 330   | 38     | 0       | 0      | 0   | 541   |               |

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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 1- 1 00:00 to 7- 3-31 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 3                       | 1     | 0      | 0       | 0      | 0   | 4      | 2.60          |
| NNE               | 2                       | 1     | 0      | 0       | 0      | 0   | 3      | 3.17          |
| NE                | 1                       | 1     | 0      | 0       | 0      | 0   | 2      | 4.08          |
| ENE               | 1                       | 0     | 0      | 0       | 0      | 0   | 1      | 1.24          |
| E                 | 3                       | 1     | 1      | 0       | 0      | 0   | 5      | 3.76          |
| ESE               | 3                       | 0     | 0      | 0       | 0      | 0   | 3      | 2.18          |
| SE                | 4                       | 12    | 0      | 0       | 0      | 0   | 16     | 5.00          |
| SSE               | 11                      | 22    | 0      | 0       | 0      | 0   | 33     | 4.48          |
| S                 | 16                      | 25    | 0      | 0       | 0      | 0   | 41     | 4.40          |
| SSW               | 9                       | 23    | 0      | 0       | 0      | 0   | 32     | 4.59          |
| SW                | 21                      | 7     | 0      | 0       | 0      | 0   | 28     | 3.41          |
| WSW               | 23                      | 5     | 1      | 0       | 0      | 0   | 29     | 3.43          |
| W                 | 12                      | 7     | 0      | 0       | 0      | 0   | 19     | 3.54          |
| WNW               | 13                      | 3     | 0      | 0       | 0      | 0   | 16     | 3.26          |
| NW                | 7                       | 3     | 0      | 0       | 0      | 0   | 10     | 3.33          |
| NNW               | 1                       | 2     | 0      | 0       | 0      | 0   | 3      | 4.06          |
| Total             | 130                     | 113   | 2      | 0       | 0      | 0   | 245    |               |

Hours of Calm : 1  
Hours of Varying Wind Direction : 0  
Hours of Missing Data : 0  
Hours of Missing Data for All : 0  
Hours of No Stability Class : 0  
Total hours of observation : 2160

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 1- 1 00:00 to 7- 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 1                       | 0     | 0      | 0       | 0      | 0   | 1      | 2.89          |
| NNE               | 1                       | 0     | 0      | 0       | 0      | 0   | 1      | 1.47          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 1                       | 0     | 0      | 0       | 0      | 0   | 1      | 1.98          |
| SE                | 1                       | 2     | 0      | 0       | 0      | 0   | 3      | 4.62          |
| SSE               | 12                      | 4     | 0      | 0       | 0      | 0   | 16     | 3.57          |
| S                 | 11                      | 12    | 0      | 0       | 0      | 0   | 23     | 3.94          |
| SSW               | 6                       | 2     | 0      | 0       | 0      | 0   | 8      | 2.90          |
| SW                | 13                      | 1     | 0      | 0       | 0      | 0   | 14     | 2.16          |
| WSW               | 19                      | 5     | 0      | 0       | 0      | 0   | 24     | 3.36          |
| W                 | 16                      | 4     | 0      | 0       | 0      | 0   | 20     | 3.08          |
| WNW               | 5                       | 1     | 0      | 0       | 0      | 0   | 6      | 2.34          |
| NW                | 3                       | 0     | 0      | 0       | 0      | 0   | 3      | 3.01          |
| NNW               | 4                       | 2     | 0      | 0       | 0      | 0   | 6      | 3.35          |
| Total             | 93                      | 33    | 0      | 0       | 0      | 0   | 126    |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 1- 1 00:00 to 7- 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 25                      | 37    | 11     | 10      | 3      | 0   | 86    | 6.99          |
| NNE               | 24                      | 48    | 32     | 15      | 7      | 0   | 126   | 8.28          |
| NE                | 16                      | 54    | 46     | 12      | 1      | 0   | 129   | 8.08          |
| ENE               | 10                      | 26    | 35     | 9       | 0      | 0   | 80    | 8.51          |
| E                 | 10                      | 33    | 7      | 0       | 0      | 0   | 50    | 5.72          |
| ESE               | 12                      | 42    | 2      | 0       | 0      | 0   | 56    | 5.53          |
| SE                | 10                      | 69    | 17     | 0       | 0      | 0   | 96    | 6.16          |
| SSE               | 33                      | 68    | 13     | 1       | 0      | 0   | 115   | 5.52          |
| S                 | 37                      | 74    | 27     | 5       | 1      | 0   | 144   | 6.17          |
| SSW               | 47                      | 108   | 39     | 3       | 0      | 0   | 197   | 6.07          |
| SW                | 87                      | 136   | 20     | 0       | 0      | 0   | 243   | 5.02          |
| WSW               | 85                      | 150   | 21     | 1       | 0      | 0   | 257   | 5.21          |
| W                 | 70                      | 127   | 38     | 15      | 0      | 0   | 250   | 6.04          |
| WNW               | 48                      | 67    | 22     | 3       | 0      | 0   | 140   | 5.41          |
| NW                | 22                      | 53    | 22     | 6       | 0      | 0   | 103   | 6.59          |
| NNW               | 23                      | 33    | 19     | 9       | 3      | 0   | 87    | 7.56          |
| Total             | 559                     | 1125  | 371    | 89      | 15     | 0   | 2159  |               |

Hours of Calm : 1  
 Hours of Varying Wind Direction : 0  
 Hours of Missing Data for All : 0  
 Hours of No Stability Class : 0  
 Total hours of observation : 2160

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 4- 1 00:00 to 7- 6-30 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 1                       | 11    | 3      | 0       | 1      | 5   | 21    | 11.48         |
| NNE               | 0                       | 3     | 2      | 2       | 1      | 2   | 10    | 14.47         |
| NE                | 0                       | 4     | 4      | 1       | 0      | 0   | 9     | 9.17          |
| ENE               | 1                       | 4     | 3      | 1       | 0      | 0   | 9     | 8.22          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 2     | 0      | 0       | 0      | 0   | 2     | 5.79          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 2     | 0      | 0       | 0      | 0   | 2     | 6.89          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSW               | 0                       | 3     | 3      | 0       | 0      | 0   | 6     | 8.26          |
| SW                | 1                       | 9     | 7      | 0       | 0      | 0   | 17    | 7.42          |
| WSW               | 5                       | 19    | 8      | 4       | 0      | 0   | 36    | 7.60          |
| W                 | 1                       | 10    | 3      | 1       | 0      | 0   | 15    | 8.08          |
| WNW               | 2                       | 8     | 9      | 0       | 0      | 0   | 19    | 7.18          |
| NW                | 1                       | 4     | 3      | 0       | 0      | 0   | 8     | 7.42          |
| NNW               | 2                       | 4     | 2      | 1       | 0      | 0   | 9     | 7.14          |
| Total             | 14                      | 83    | 47     | 10      | 2      | 7   | 163   |               |

Hours of Calm : 0  
Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 4- 1 00:00 to 7- 6-30 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 5                       | 3     | 2      | 1       | 0      | 0   | 11    | 6.54          |
| NNE               | 4                       | 5     | 2      | 6       | 3      | 0   | 20    | 10.98         |
| NE                | 0                       | 7     | 6      | 2       | 0      | 0   | 15    | 9.07          |
| ENE               | 0                       | 4     | 7      | 1       | 0      | 0   | 12    | 9.23          |
| E                 | 0                       | 4     | 5      | 0       | 0      | 0   | 9     | 8.36          |
| ESE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.30          |
| SE                | 0                       | 3     | 0      | 0       | 0      | 0   | 3     | 5.90          |
| SSE               | 0                       | 2     | 4      | 0       | 0      | 0   | 6     | 9.16          |
| S                 | 0                       | 4     | 1      | 0       | 0      | 0   | 5     | 7.36          |
| SSW               | 1                       | 5     | 7      | 0       | 0      | 0   | 13    | 8.74          |
| SW                | 3                       | 22    | 2      | 1       | 0      | 0   | 28    | 6.35          |
| WSW               | 3                       | 19    | 4      | 0       | 0      | 0   | 26    | 5.96          |
| W                 | 2                       | 10    | 5      | 1       | 0      | 0   | 18    | 7.24          |
| WNW               | 0                       | 3     | 0      | 0       | 0      | 0   | 3     | 6.73          |
| NW                | 1                       | 6     | 5      | 1       | 3      | 0   | 16    | 10.85         |
| NNW               | 0                       | 3     | 1      | 1       | 1      | 0   | 6     | 10.11         |
| Total             | 19                      | 101   | 51     | 14      | 7      | 0   | 192   |               |

Hours of Calm : 0  
Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 4- 1 00:00 to 7- 6-30 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 7                       | 8     | 7      | 8       | 1      | 0   | 31     | 9.35          |
| NNE               | 3                       | 9     | 2      | 14      | 5      | 0   | 33     | 12.12         |
| NE                | 3                       | 2     | 11     | 6       | 0      | 0   | 22     | 10.69         |
| ENE               | 0                       | 4     | 8      | 1       | 0      | 0   | 13     | 9.18          |
| E                 | 1                       | 7     | 2      | 3       | 0      | 0   | 13     | 7.72          |
| ESE               | 0                       | 4     | 1      | 0       | 0      | 0   | 5      | 7.91          |
| SE                | 1                       | 3     | 4      | 0       | 0      | 0   | 8      | 8.09          |
| SSE               | 0                       | 2     | 6      | 0       | 0      | 0   | 8      | 8.71          |
| S                 | 0                       | 14    | 1      | 0       | 0      | 0   | 15     | 6.51          |
| SSW               | 1                       | 5     | 7      | 1       | 0      | 0   | 14     | 8.66          |
| SW                | 5                       | 16    | 3      | 0       | 0      | 0   | 24     | 5.31          |
| WSW               | 1                       | 9     | 3      | 1       | 0      | 0   | 14     | 6.99          |
| W                 | 0                       | 4     | 4      | 1       | 0      | 0   | 9      | 8.06          |
| WNW               | 5                       | 2     | 1      | 0       | 0      | 0   | 8      | 5.28          |
| NW                | 0                       | 6     | 6      | 2       | 0      | 0   | 14     | 8.44          |
| NNW               | 2                       | 6     | 1      | 1       | 0      | 0   | 10     | 6.49          |
| Total             | 29                      | 101   | 67     | 38      | 6      | 0   | 241    |               |

Hours of Calm : 0  
Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 4- 1 00:00 to 7- 6-30 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 12                      | 39    | 11     | 9       | 6      | 1   | 78    | 8.57          |
| NNE               | 8                       | 24    | 11     | 33      | 10     | 1   | 87    | 11.98         |
| NE                | 8                       | 17    | 35     | 34      | 7      | 0   | 101   | 11.70         |
| ENE               | 0                       | 17    | 21     | 9       | 1      | 0   | 48    | 9.83          |
| E                 | 2                       | 20    | 20     | 0       | 0      | 0   | 42    | 7.65          |
| ESE               | 0                       | 27    | 6      | 0       | 0      | 0   | 33    | 6.69          |
| SE                | 4                       | 27    | 9      | 0       | 0      | 0   | 40    | 6.68          |
| SSE               | 2                       | 28    | 10     | 1       | 0      | 0   | 41    | 6.82          |
| S                 | 4                       | 28    | 16     | 1       | 0      | 0   | 49    | 7.38          |
| SSW               | 7                       | 31    | 18     | 0       | 0      | 0   | 56    | 6.68          |
| SW                | 14                      | 39    | 3      | 0       | 0      | 0   | 56    | 5.36          |
| WSW               | 6                       | 11    | 2      | 2       | 0      | 0   | 21    | 6.18          |
| W                 | 8                       | 12    | 11     | 0       | 0      | 0   | 31    | 6.44          |
| WNW               | 8                       | 9     | 13     | 3       | 0      | 0   | 33    | 7.34          |
| NW                | 11                      | 7     | 6      | 1       | 0      | 0   | 25    | 6.15          |
| NNW               | 9                       | 16    | 4      | 0       | 0      | 0   | 29    | 5.26          |
| Total             | 103                     | 352   | 196    | 93      | 24     | 2   | 770   |               |

Hours of Calm : 0  
Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 4- 1 00:00 to 7- 6-30 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 2                       | 10    | 5      | 2       | 0      | 0   | 19    | 7.57          |
| NNE               | 4                       | 16    | 2      | 1       | 0      | 0   | 23    | 5.80          |
| NE                | 3                       | 3     | 2      | 0       | 0      | 0   | 8     | 6.21          |
| ENE               | 1                       | 4     | 1      | 0       | 0      | 0   | 6     | 6.22          |
| E                 | 0                       | 3     | 0      | 0       | 0      | 0   | 3     | 5.82          |
| ESE               | 4                       | 13    | 1      | 0       | 0      | 0   | 18    | 5.36          |
| SE                | 5                       | 32    | 3      | 0       | 0      | 0   | 40    | 5.45          |
| SSE               | 12                      | 38    | 4      | 0       | 0      | 0   | 54    | 5.08          |
| S                 | 18                      | 45    | 4      | 0       | 0      | 0   | 67    | 5.27          |
| SSW               | 16                      | 74    | 4      | 0       | 0      | 0   | 94    | 5.44          |
| SW                | 28                      | 40    | 1      | 0       | 0      | 0   | 69    | 4.28          |
| WSW               | 20                      | 20    | 5      | 0       | 0      | 0   | 45    | 4.57          |
| W                 | 17                      | 20    | 1      | 0       | 0      | 0   | 38    | 4.19          |
| WNW               | 11                      | 7     | 1      | 0       | 0      | 0   | 19    | 3.97          |
| NW                | 14                      | 7     | 1      | 0       | 0      | 0   | 22    | 3.86          |
| NNW               | 7                       | 3     | 0      | 0       | 0      | 0   | 10    | 3.56          |
| Total             | 162                     | 335   | 35     | 3       | 0      | 0   | 535   |               |

Hours of Calm : 0  
 Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 4- 1 00:00 to 7- 6-30 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.41          |
| NNE               | 2                       | 1     | 0      | 0       | 0      | 0   | 3     | 3.75          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 5.11          |
| SE                | 0                       | 5     | 0      | 0       | 0      | 0   | 5     | 5.67          |
| SSE               | 5                       | 21    | 1      | 0       | 0      | 0   | 27    | 4.99          |
| S                 | 15                      | 23    | 0      | 0       | 0      | 0   | 38    | 4.32          |
| SSW               | 13                      | 12    | 0      | 0       | 0      | 0   | 25    | 3.76          |
| SW                | 15                      | 5     | 1      | 0       | 0      | 0   | 21    | 3.82          |
| WSW               | 14                      | 7     | 0      | 0       | 0      | 0   | 21    | 3.56          |
| W                 | 10                      | 12    | 0      | 0       | 0      | 0   | 22    | 4.22          |
| WNW               | 15                      | 0     | 0      | 0       | 0      | 0   | 15    | 2.55          |
| NW                | 4                       | 2     | 0      | 0       | 0      | 0   | 6     | 3.72          |
| NNW               | 1                       | 0     | 1      | 0       | 0      | 0   | 2     | 6.33          |
| Total             | 94                      | 90    | 3      | 0       | 0      | 0   | 187   |               |

Hours of Calm : 0  
Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 4- 1 00:00 to 7- 6-30 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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               | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 1.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 2.74          |
| SE                | 3                       | 1     | 0      | 0       | 0      | 0   | 4     | 2.90          |
| SSE               | 6                       | 1     | 0      | 0       | 0      | 0   | 7     | 2.83          |
| S                 | 7                       | 2     | 0      | 0       | 0      | 0   | 9     | 3.01          |
| SSW               | 6                       | 2     | 0      | 0       | 0      | 0   | 8     | 3.20          |
| SW                | 8                       | 8     | 0      | 0       | 0      | 0   | 16    | 3.86          |
| WSW               | 19                      | 10    | 0      | 0       | 0      | 0   | 29    | 3.69          |
| W                 | 13                      | 1     | 0      | 0       | 0      | 0   | 14    | 2.91          |
| WNW               | 5                       | 0     | 0      | 0       | 0      | 0   | 5     | 3.05          |
| NW                | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 2.86          |
| NNW               | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 2.57          |
| Total             | 71                      | 25    | 0      | 0       | 0      | 0   | 96    |               |

Hours of Calm : 0  
 Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 4- 1 00:00 to 7- 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 27                      | 72    | 28     | 20      | 8      | 6   | 161   | 8.82          |
| NNE               | 21                      | 58    | 19     | 56      | 19     | 3   | 176   | 11.08         |
| NE                | 14                      | 33    | 58     | 43      | 7      | 0   | 155   | 10.87         |
| ENE               | 3                       | 33    | 40     | 12      | 1      | 0   | 89    | 9.15          |
| E                 | 3                       | 34    | 27     | 3       | 0      | 0   | 67    | 7.68          |
| ESE               | 5                       | 48    | 8      | 0       | 0      | 0   | 61    | 6.24          |
| SE                | 13                      | 71    | 16     | 0       | 0      | 0   | 100   | 6.08          |
| SSE               | 25                      | 94    | 25     | 1       | 0      | 0   | 145   | 5.84          |
| S                 | 44                      | 116   | 22     | 1       | 0      | 0   | 183   | 5.69          |
| SSW               | 44                      | 132   | 39     | 1       | 0      | 0   | 216   | 5.97          |
| SW                | 74                      | 139   | 17     | 1       | 0      | 0   | 231   | 5.06          |
| WSW               | 68                      | 95    | 22     | 7       | 0      | 0   | 192   | 5.44          |
| W                 | 51                      | 69    | 24     | 3       | 0      | 0   | 147   | 5.55          |
| WNW               | 46                      | 29    | 24     | 3       | 0      | 0   | 102   | 5.59          |
| NW                | 32                      | 32    | 21     | 4       | 3      | 0   | 92    | 6.69          |
| NNW               | 22                      | 32    | 9      | 3       | 1      | 0   | 67    | 5.87          |
| Total             | 492                     | 1087  | 399    | 158     | 39     | 9   | 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

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

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction               | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|---------------------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                                 | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                               | 2                       | 5     | 0      | 0       | 0      | 0   | 7     | 4.50          |
| NNE                             | 1                       | 2     | 0      | 0       | 0      | 0   | 3     | 5.02          |
| NE                              | 1                       | 8     | 11     | 3       | 0      | 0   | 23    | 9.14          |
| ENE                             | 0                       | 6     | 9      | 1       | 0      | 0   | 16    | 8.84          |
| E                               | 0                       | 1     | 0      | 1       | 0      | 0   | 2     | 9.51          |
| ESE                             | 1                       | 1     | 0      | 1       | 0      | 0   | 3     | 7.97          |
| SE                              | 0                       | 0     | 0      | 1       | 0      | 0   | 1     | 13.81         |
| SSE                             | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 7.17          |
| S                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSW                             | 0                       | 2     | 0      | 0       | 0      | 0   | 2     | 6.07          |
| SW                              | 1                       | 10    | 1      | 0       | 0      | 0   | 12    | 5.82          |
| WSW                             | 5                       | 23    | 18     | 0       | 0      | 0   | 46    | 7.45          |
| W                               | 4                       | 20    | 5      | 0       | 0      | 0   | 29    | 6.37          |
| WNW                             | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.41          |
| NW                              | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNW                             | 2                       | 11    | 0      | 0       | 0      | 0   | 13    | 4.69          |
| Total                           | 17                      | 91    | 44     | 7       | 0      | 0   | 159   |               |
| Hours of Calm                   |                         |       |        |         |        |     | :     | 0             |
| Hours of Varying Wind 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 : 08-02-25

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

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 2                       | 4     | 0      | 0       | 0      | 0   | 6     | 4.44          |
| NNE               | 2                       | 6     | 0      | 3       | 0      | 0   | 11    | 8.44          |
| NE                | 4                       | 5     | 16     | 9       | 0      | 0   | 34    | 10.17         |
| ENE               | 2                       | 4     | 7      | 0       | 0      | 0   | 13    | 8.76          |
| E                 | 0                       | 0     | 7      | 0       | 0      | 0   | 7     | 11.02         |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 1     | 2      | 0       | 0      | 0   | 3     | 9.94          |
| SSE               | 1                       | 0     | 2      | 0       | 0      | 0   | 3     | 8.41          |
| S                 | 0                       | 4     | 1      | 1       | 0      | 0   | 6     | 8.92          |
| SSW               | 0                       | 6     | 4      | 0       | 0      | 0   | 10    | 7.48          |
| SW                | 1                       | 15    | 2      | 0       | 0      | 0   | 18    | 5.92          |
| WSW               | 5                       | 11    | 1      | 0       | 0      | 0   | 17    | 5.25          |
| W                 | 1                       | 2     | 1      | 0       | 0      | 0   | 4     | 6.52          |
| WNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNW               | 2                       | 2     | 0      | 0       | 0      | 0   | 4     | 3.84          |
| Total             | 20                      | 60    | 43     | 13      | 0      | 0   | 136   |               |

Hours of Calm : 0  
Hours of Varying Wind 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 : 08-02-25

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

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 2                       | 13    | 0      | 0       | 0      | 0   | 15     | 4.82          |
| NNE               | 5                       | 5     | 6      | 1       | 0      | 0   | 17     | 6.53          |
| NE                | 3                       | 19    | 16     | 13      | 0      | 0   | 51     | 9.43          |
| ENE               | 1                       | 7     | 14     | 0       | 0      | 0   | 22     | 8.91          |
| E                 | 0                       | 5     | 5      | 0       | 0      | 0   | 10     | 7.50          |
| ESE               | 0                       | 2     | 1      | 0       | 0      | 0   | 3      | 7.26          |
| SE                | 0                       | 2     | 1      | 0       | 0      | 0   | 3      | 7.46          |
| SSE               | 0                       | 3     | 7      | 0       | 0      | 0   | 10     | 8.45          |
| S                 | 2                       | 10    | 6      | 0       | 0      | 0   | 18     | 6.82          |
| SSW               | 0                       | 9     | 7      | 0       | 0      | 0   | 16     | 7.47          |
| SW                | 4                       | 9     | 1      | 0       | 0      | 0   | 14     | 5.40          |
| WSW               | 3                       | 8     | 1      | 0       | 0      | 0   | 12     | 5.62          |
| W                 | 4                       | 7     | 0      | 0       | 0      | 0   | 11     | 4.98          |
| WNW               | 2                       | 1     | 0      | 0       | 0      | 0   | 3      | 3.69          |
| NW                | 0                       | 1     | 1      | 0       | 0      | 0   | 2      | 7.99          |
| NNW               | 1                       | 3     | 0      | 0       | 0      | 0   | 4      | 3.93          |
| Total             | 27                      | 104   | 66     | 14      | 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7- 7- 1 00:00 to 7- 9-30 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 16                      | 40    | 25     | 8       | 0      | 0   | 89    | 7.18          |
| NNE               | 15                      | 50    | 21     | 11      | 0      | 0   | 97    | 7.28          |
| NE                | 11                      | 27    | 34     | 50      | 0      | 0   | 122   | 10.92         |
| ENE               | 9                       | 31    | 68     | 18      | 0      | 0   | 126   | 9.38          |
| E                 | 4                       | 26    | 36     | 0       | 0      | 0   | 66    | 7.62          |
| ESE               | 4                       | 26    | 5      | 1       | 0      | 0   | 36    | 6.36          |
| SE                | 6                       | 25    | 4      | 0       | 0      | 0   | 35    | 5.72          |
| SSE               | 12                      | 56    | 8      | 0       | 0      | 0   | 76    | 5.63          |
| S                 | 4                       | 37    | 15     | 0       | 0      | 0   | 56    | 6.83          |
| SSW               | 13                      | 39    | 18     | 0       | 0      | 0   | 70    | 6.50          |
| SW                | 13                      | 31    | 6      | 0       | 0      | 0   | 50    | 5.21          |
| WSW               | 11                      | 26    | 1      | 0       | 0      | 0   | 38    | 4.92          |
| W                 | 7                       | 11    | 0      | 0       | 0      | 0   | 18    | 4.40          |
| WNW               | 7                       | 9     | 1      | 0       | 0      | 0   | 17    | 4.91          |
| NW                | 8                       | 6     | 0      | 0       | 0      | 0   | 14    | 4.08          |
| NNW               | 8                       | 11    | 1      | 0       | 0      | 0   | 20    | 4.62          |
| Total             | 148                     | 451   | 243    | 88      | 0      | 0   | 930   |               |

Hours of Calm : 0  
 Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 7- 1 00:00 to 7- 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<br>Direction               | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|---------------------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                                 | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                               | 5                       | 6     | 3      | 0       | 0      | 0   | 14     | 5.55          |
| NNE                             | 9                       | 9     | 2      | 1       | 0      | 0   | 21     | 5.49          |
| NE                              | 2                       | 7     | 0      | 3       | 0      | 0   | 12     | 7.12          |
| ENE                             | 7                       | 4     | 3      | 0       | 0      | 0   | 14     | 5.23          |
| E                               | 4                       | 12    | 9      | 0       | 0      | 0   | 25     | 6.79          |
| ESE                             | 3                       | 5     | 0      | 0       | 0      | 0   | 8      | 4.29          |
| SE                              | 3                       | 19    | 0      | 0       | 0      | 0   | 22     | 4.83          |
| SSE                             | 23                      | 49    | 1      | 0       | 0      | 0   | 73     | 4.74          |
| S                               | 42                      | 55    | 0      | 0       | 0      | 0   | 97     | 4.24          |
| SSW                             | 31                      | 40    | 1      | 0       | 0      | 0   | 72     | 4.64          |
| SW                              | 36                      | 22    | 0      | 0       | 0      | 0   | 58     | 3.69          |
| WSW                             | 41                      | 28    | 0      | 0       | 0      | 0   | 69     | 3.55          |
| W                               | 31                      | 14    | 0      | 0       | 0      | 0   | 45     | 3.44          |
| WNW                             | 20                      | 1     | 0      | 0       | 0      | 0   | 21     | 2.66          |
| NW                              | 6                       | 2     | 0      | 0       | 0      | 0   | 8      | 3.38          |
| NNW                             | 4                       | 5     | 1      | 1       | 0      | 0   | 11     | 5.93          |
| Total                           | 267                     | 278   | 20     | 5       | 0      | 0   | 570    |               |
| Hours of Calm                   | :                       |       |        |         |        |     | 0      |               |
| Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 7- 1 00:00 to 7- 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 3                       | 0     | 0      | 0       | 0      | 0   | 3     | 2.17          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 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                       | 1     | 0      | 0       | 0      | 0   | 1     | 5.18          |
| SSE               | 8                       | 14    | 0      | 0       | 0      | 0   | 22    | 4.34          |
| S                 | 18                      | 18    | 0      | 0       | 0      | 0   | 36    | 4.10          |
| SSW               | 8                       | 8     | 0      | 0       | 0      | 0   | 16    | 3.76          |
| SW                | 16                      | 5     | 0      | 0       | 0      | 0   | 21    | 3.14          |
| WSW               | 21                      | 12    | 0      | 0       | 0      | 0   | 33    | 3.42          |
| W                 | 17                      | 5     | 0      | 0       | 0      | 0   | 22    | 3.08          |
| WNW               | 6                       | 0     | 0      | 0       | 0      | 0   | 6     | 2.45          |
| NW                | 4                       | 3     | 0      | 0       | 0      | 0   | 7     | 3.92          |
| NNW               | 1                       | 1     | 0      | 0       | 0      | 0   | 2     | 2.95          |
| Total             | 102                     | 67    | 0      | 0       | 0      | 0   | 169   |               |

Hours of Calm : 0  
 Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 7- 1 00:00 to 7- 9-30 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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                | 1                       | 1     | 0      | 0       | 0      | 0   | 2     | 4.84          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 2                       | 1     | 0      | 0       | 0      | 0   | 3     | 3.33          |
| SSW               | 3                       | 0     | 0      | 0       | 0      | 0   | 3     | 2.74          |
| SW                | 1                       | 1     | 0      | 0       | 0      | 0   | 2     | 3.38          |
| WSW               | 10                      | 0     | 0      | 0       | 0      | 0   | 10    | 2.57          |
| W                 | 9                       | 0     | 0      | 0       | 0      | 0   | 9     | 2.42          |
| WNW               | 2                       | 0     | 0      | 0       | 0      | 0   | 2     | 2.03          |
| NW                | 2                       | 0     | 0      | 0       | 0      | 0   | 2     | 2.27          |
| NNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| Total             | 30                      | 3     | 0      | 0       | 0      | 0   | 33    |               |

Hours of Calm : 0  
 Hours of Varying Wind 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 : 08-02-25

Data Period : 7- 7- 1 00:00 to 7- 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 30                      | 68    | 28     | 8       | 0      | 0   | 134    | 6.37          |
| NNE               | 32                      | 72    | 29     | 16      | 0      | 0   | 149    | 6.98          |
| NE                | 21                      | 66    | 77     | 78      | 0      | 0   | 242    | 10.14         |
| ENE               | 19                      | 52    | 101    | 19      | 0      | 0   | 191    | 8.93          |
| E                 | 8                       | 44    | 57     | 1       | 0      | 0   | 110    | 7.67          |
| ESE               | 8                       | 34    | 6      | 2       | 0      | 0   | 50     | 6.18          |
| SE                | 10                      | 49    | 7      | 1       | 0      | 0   | 67     | 5.78          |
| SSE               | 44                      | 123   | 18     | 0       | 0      | 0   | 185    | 5.33          |
| S                 | 68                      | 125   | 22     | 1       | 0      | 0   | 216    | 5.22          |
| SSW               | 55                      | 104   | 30     | 0       | 0      | 0   | 189    | 5.63          |
| SW                | 72                      | 93    | 10     | 0       | 0      | 0   | 175    | 4.57          |
| WSW               | 96                      | 108   | 21     | 0       | 0      | 0   | 225    | 4.76          |
| W                 | 73                      | 59    | 6      | 0       | 0      | 0   | 138    | 4.27          |
| WNW               | 37                      | 12    | 1      | 0       | 0      | 0   | 50     | 3.47          |
| NW                | 20                      | 12    | 1      | 0       | 0      | 0   | 33     | 4.01          |
| NNW               | 18                      | 33    | 2      | 1       | 0      | 0   | 54     | 4.73          |
| Total             | 611                     | 1054  | 416    | 127     | 0      | 0   | 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-25

Data Period : 7-10- 1 00:00 to 7-12-31 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 5     | 1      | 0       | 0      | 0   | 6     | 6.33          |
| NNE               | 0                       | 2     | 3      | 0       | 1      | 0   | 6     | 9.80          |
| NE                | 0                       | 0     | 0      | 4       | 0      | 0   | 4     | 15.90         |
| ENE               | 0                       | 1     | 3      | 1       | 0      | 0   | 5     | 10.29         |
| E                 | 0                       | 0     | 3      | 1       | 0      | 0   | 4     | 13.07         |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 6.16          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 8.91          |
| SSW               | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 12.18         |
| SW                | 0                       | 3     | 0      | 0       | 0      | 0   | 3     | 7.23          |
| WSW               | 0                       | 3     | 4      | 0       | 0      | 0   | 7     | 8.56          |
| W                 | 1                       | 4     | 1      | 1       | 0      | 0   | 7     | 7.75          |
| WNW               | 0                       | 3     | 1      | 0       | 0      | 0   | 4     | 6.89          |
| NW                | 2                       | 5     | 4      | 1       | 0      | 0   | 12    | 7.83          |
| NNW               | 1                       | 8     | 6      | 0       | 0      | 0   | 15    | 7.06          |
| Total             | 4                       | 35    | 28     | 8       | 1      | 0   | 76    |               |

Hours of Calm : 0  
 Hours of Varying Wind 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 : 08-02-25

Data Period : 7-10- 1 00:00 to 7-12-31 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 4                       | 6     | 4      | 2       | 2      | 0   | 18    | 8.67          |
| NNE               | 0                       | 3     | 1      | 11      | 1      | 1   | 17    | 15.29         |
| NE                | 1                       | 4     | 8      | 6       | 1      | 0   | 20    | 11.29         |
| ENE               | 0                       | 1     | 5      | 1       | 0      | 0   | 7     | 10.08         |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 8.15          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 12.24         |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SW                | 0                       | 7     | 3      | 0       | 0      | 0   | 10    | 7.41          |
| WSW               | 0                       | 9     | 5      | 0       | 0      | 0   | 14    | 7.26          |
| W                 | 1                       | 5     | 3      | 0       | 0      | 0   | 9     | 7.53          |
| WNW               | 0                       | 3     | 0      | 0       | 0      | 0   | 3     | 5.23          |
| NW                | 0                       | 4     | 3      | 3       | 0      | 0   | 10    | 10.73         |
| NNW               | 1                       | 6     | 5      | 4       | 0      | 0   | 16    | 10.25         |
| Total             | 7                       | 48    | 39     | 27      | 4      | 1   | 126   |               |

Hours of Calm : 0  
Hours of Varying Wind 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 : 08-02-25

Data Period : 7-10- 1 00:00 to 7-12-31 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 1                       | 7     | 8      | 15      | 3      | 0   | 34     | 13.03         |
| NNE               | 1                       | 10    | 2      | 30      | 4      | 0   | 47     | 13.72         |
| NE                | 0                       | 5     | 15     | 16      | 3      | 0   | 39     | 12.88         |
| ENE               | 0                       | 4     | 13     | 2       | 1      | 0   | 20     | 10.16         |
| E                 | 0                       | 1     | 1      | 0       | 0      | 0   | 2      | 8.42          |
| ESE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 6.71          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 2     | 0      | 0       | 0      | 0   | 2      | 6.54          |
| S                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 7.13          |
| SSW               | 0                       | 2     | 3      | 0       | 0      | 0   | 5      | 9.07          |
| SW                | 1                       | 17    | 4      | 0       | 0      | 0   | 22     | 6.49          |
| WSW               | 1                       | 7     | 3      | 0       | 0      | 0   | 11     | 6.45          |
| W                 | 2                       | 6     | 0      | 1       | 0      | 0   | 9      | 6.78          |
| WNW               | 1                       | 7     | 2      | 0       | 0      | 0   | 10     | 5.43          |
| NW                | 0                       | 7     | 2      | 1       | 0      | 0   |        | 8.24          |
| NNW               | 4                       | 6     | 4      | 4       | 1      |     | 19     | 9.33          |
| Total             | 11                      | 83    | 57     | 69      | 12     | 0   | 232    |               |

Hours of Calm : 0  
 Hours of Varying Wind 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 : 08-02-25

Data Period : 7-10- 1 00:00 to 7-12-31 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction               | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|---------------------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                                 | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                               | 13                      | 15    | 9      | 10      | 0      | 0   | 47    | 7.75          |
| NNE                             | 15                      | 19    | 28     | 28      | 1      | 0   | 91    | 9.95          |
| NE                              | 4                       | 30    | 64     | 39      | 1      | 0   | 138   | 10.69         |
| ENE                             | 2                       | 33    | 80     | 15      | 2      | 0   | 132   | 9.70          |
| E                               | 1                       | 39    | 17     | 1       | 0      | 0   | 58    | 7.26          |
| ESE                             | 7                       | 40    | 1      | 0       | 0      | 0   | 48    | 5.65          |
| SE                              | 3                       | 19    | 4      | 0       | 0      | 0   | 26    | 6.17          |
| SSE                             | 7                       | 24    | 6      | 0       | 0      | 0   | 37    | 5.85          |
| S                               | 6                       | 23    | 7      | 0       | 0      | 0   | 36    | 6.22          |
| SSW                             | 4                       | 28    | 31     | 0       | 0      | 0   | 63    | 7.78          |
| SW                              | 14                      | 35    | 16     | 0       | 0      | 0   | 65    | 6.22          |
| WSW                             | 14                      | 28    | 9      | 0       | 0      | 0   | 51    | 5.51          |
| W                               | 20                      | 29    | 10     | 1       | 0      | 0   | 60    | 5.69          |
| WNW                             | 8                       | 13    | 2      | 0       | 0      | 0   | 23    | 5.14          |
| NW                              | 9                       | 13    | 12     | 0       | 0      | 0   | 34    | 6.31          |
| NNW                             | 9                       | 9     | 6      | 4       | 0      | 0   | 28    | 7.32          |
| Total                           | 136                     | 397   | 302    | 98      | 4      | 0   | 937   |               |
| Hours of Calm                   |                         |       |        |         |        |     | :     | 0             |
| Hours of Varying Wind 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 : 08-02-25

Data Period : 7-10- 1 00:00 to 7-12-31 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 3                       | 2     | 0      | 0       | 0      | 0   | 5      | 3.52          |
| NNE               | 4                       | 2     | 2      | 0       | 0      | 0   | 8      | 5.29          |
| NE                | 2                       | 2     | 4      | 0       | 0      | 0   | 8      | 7.80          |
| ENE               | 7                       | 4     | 2      | 0       | 0      | 0   | 13     | 4.76          |
| E                 | 6                       | 7     | 1      | 0       | 0      | 0   | 14     | 5.47          |
| ESE               | 5                       | 16    | 1      | 0       | 0      | 0   | 22     | 5.74          |
| SE                | 8                       | 17    | 2      | 0       | 0      | 0   | 27     | 5.23          |
| SSE               | 10                      | 13    | 5      | 0       | 0      | 0   | 28     | 5.42          |
| S                 | 13                      | 17    | 0      | 0       | 0      | 0   | 30     | 4.85          |
| SSW               | 18                      | 52    | 6      | 0       | 0      | 0   | 76     | 5.41          |
| SW                | 30                      | 30    | 2      | 0       | 0      | 0   | 62     | 4.48          |
| WSW               | 31                      | 34    | 3      | 0       | 0      | 0   | 68     | 4.49          |
| W                 | 14                      | 20    | 0      | 0       | 0      | 0   | 34     | 4.29          |
| WNW               | 8                       | 7     | 0      | 0       | 0      | 0   | 15     | 3.48          |
| NW                | 6                       | 10    | 1      | 0       | 0      | 0   | 17     | 4.60          |
| NNW               | 4                       | 3     | 6      | 0       | 0      | 0   | 13     | 6.62          |
| Total             | 169                     | 236   | 35     | 0       | 0      | 0   | 440    |               |

Hours of Calm : 0  
Hours of Varying Wind 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 : 08-02-25

Data Period : 7-10- 1 00:00 to 7-12-31 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.11          |
| NNE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.19          |
| NE                | 1                       | 0     | 0      | 1       | 0      | 0   | 2     | 7.99          |
| ENE               | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 1.30          |
| E                 | 1                       | 1     | 0      | 0       | 0      | 0   | 2     | 3.70          |
| ESE               | 2                       | 0     | 0      | 0       | 0      | 0   | 2     | 2.63          |
| SE                | 1                       | 3     | 1      | 0       | 0      | 0   | 5     | 5.28          |
| SSE               | 8                       | 14    | 0      | 0       | 0      | 0   | 22    | 4.37          |
| S                 | 6                       | 14    | 2      | 0       | 0      | 0   | 22    | 4.91          |
| SSW               | 17                      | 13    | 0      | 0       | 0      | 0   | 30    | 3.77          |
| SW                | 19                      | 5     | 0      | 0       | 0      | 0   | 24    | 3.38          |
| WSW               | 19                      | 7     | 0      | 0       | 0      | 0   | 26    | 3.59          |
| W                 | 17                      | 5     | 0      | 0       | 0      | 0   | 22    | 3.21          |
| WNW               | 17                      | 6     | 0      | 0       | 0      | 0   | 23    | 3.34          |
| NW                | 4                       | 6     | 0      | 0       | 0      | 0   | 10    | 4.04          |
| NNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| Total             | 113                     | 76    | 3      | 1       | 0      | 0   | 193   |               |

Hours of Calm : 0  
 Hours of Varying Wind 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 : 08-02-25

Data Period : 7-10- 1 00:00 to 7-12-31 23:00

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

Wind Sensor Height : 10 meter

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 1                       | 1     | 0      | 0       | 0      | 0   | 2     | 3.84          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 5                       | 2     | 0      | 0       | 0      | 0   | 7     | 3.35          |
| S                 | 14                      | 3     | 0      | 0       | 0      | 0   | 17    | 3.34          |
| SSW               | 23                      | 5     | 0      | 0       | 0      | 0   | 28    | 3.12          |
| SW                | 36                      | 5     | 0      | 0       | 0      | 0   | 41    | 3.19          |
| WSW               | 49                      | 4     | 0      | 0       | 0      | 0   | 53    | 2.95          |
| W                 | 36                      | 5     | 0      | 0       | 0      | 0   | 41    | 3.10          |
| WNW               | 10                      | 2     | 0      | 0       | 0      | 0   | 12    | 3.09          |
| NW                | 1                       | 1     | 0      | 0       | 0      | 0   | 2     | 3.80          |
| NNW               | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 1.49          |
| Total             | 176                     | 28    | 0      | 0       | 0      | 0   | 204   |               |

Hours of Calm : 0  
Hours of Varying Wind 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 : 08-02-25

Data Period : 7-10- 1 00:00 to 7-12-31 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 21                      | 36    | 22     | 27      | 5      | 0   | 111   | 9.21          |
| NNE               | 20                      | 37    | 36     | 69      | 7      | 1   | 170   | 11.27         |
| NE                | 9                       | 42    | 91     | 66      | 5      | 0   | 213   | 11.05         |
| ENE               | 10                      | 43    | 103    | 19      | 3      | 0   | 178   | 9.37          |
| E                 | 8                       | 48    | 22     | 2       | 0      | 0   | 80    | 7.17          |
| ESE               | 14                      | 57    | 2      | 0       | 0      | 0   | 73    | 5.61          |
| SE                | 12                      | 40    | 8      | 0       | 0      | 0   | 60    | 5.71          |
| SSE               | 30                      | 55    | 11     | 0       | 0      | 0   | 96    | 5.22          |
| S                 | 39                      | 58    | 11     | 0       | 0      | 0   | 108   | 5.21          |
| SSW               | 62                      | 100   | 41     | 0       | 0      | 0   | 203   | 5.71          |
| SW                | 100                     | 102   | 25     | 0       | 0      | 0   | 227   | 4.99          |
| WSW               | 114                     | 92    | 24     | 0       | 0      | 0   | 230   | 4.65          |
| W                 | 91                      | 74    | 14     | 3       | 0      | 0   | 182   | 4.77          |
| WNW               | 44                      | 41    | 5      | 0       | 0      | 0   | 90    | 4.24          |
| NW                | 22                      | 46    | 22     | 5       | 0      | 0   | 95    | 6.57          |
| NNW               | 20                      | 32    | 27     | 12      | 1      | 0   | 92    | 8.04          |
| Total             | 616                     | 903   | 464    | 203     | 21     | 1   | 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 8**

**JOINT FREQUENCY DISTRIBUTION**

**BY QUARTER FOR 2007**

**( BATCH RELEASES )**

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 3-21 13:00 to 7- 3-21 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 3-21 13:00 to 7- 3-21 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 3-21 13:00 to 7- 3-21 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 3-21 13:00 to 7- 3-21 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<br>Direction | Wind Speed (miles/hour) |                         |                           |                             |                           |                     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------------------------|---------------------------|-----------------------------|---------------------------|---------------------|-------|---------------|
|                   | 0.75-<br>-----<br><4    | 4- <8<br>-----<br>4- <8 | 8- <13<br>-----<br>8- <13 | 13- <19<br>-----<br>13- <19 | 19- 24<br>-----<br>19- 24 | >24<br>-----<br>>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                       | 1                       | 0                         | 0                           | 0                         | 0                   | 1     | 6.86          |
| SE                | 0                       | 1                       | 0                         | 0                           | 0                         | 0                   | 1     | 6.53          |
| SSE               | 0                       | 1                       | 0                         | 0                           | 0                         | 0                   | 1     | 6.82          |
| 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               | 1                       | 0                       | 0                         | 0                           | 0                         | 0                   | 1     | 2.79          |
| 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 : 5

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 3-21 13:00 to 7- 3-21 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 5.70          |
| 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                       | 1     | 0      | 0       | 0      | 0   | 1     |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 3-21 13:00 to 7- 3-21 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 3-21 13:00 to 7- 3-21 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<br>Direction                   | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 3-21 13:00 to 7- 3-21 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 5.70          |
| 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                       | 1     | 0      | 0       | 0      | 0   | 1      | 6.86          |
| SE                | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 6.53          |
| SSE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 6.82          |
| 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               | 1                       | 0     | 0      | 0       | 0      | 0   | 1      | 2.79          |
| Total             | 1                       | 4     | 0      | 0       | 0      | 0   | 5      |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6- 5 10:00 to 7- 6- 5 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 7.64          |
| WSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| W                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 7.85          |
| 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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6- 5 10:00 to 7- 6- 5 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                       | 2     | 0      | 0       | 0      | 0   | 2      | 6.64          |
| 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 : 08-02-26

Data Period : 7- 6- 5 10:00 to 7- 6- 5 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 6.62          |
| 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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6- 5 10:00 to 7- 6- 5 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6- 5 10:00 to 7- 6- 5 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<br>Direction | Wind Speed (miles/hour) |                   |                    |                     |                    |              | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------------------|--------------------|---------------------|--------------------|--------------|--------|---------------|
|                   | 0.75-<br>-----<br><4    | 4-<br>-----<br><8 | 8-<br>-----<br><13 | 13-<br>-----<br><19 | 19-<br>-----<br>24 | >24<br>----- |        |               |
| N                 | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| NNE               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| NE                | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| ENE               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| E                 | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| ESE               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| SE                | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| SSE               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| S                 | 1                       | 0                 | 0                  | 0                   | 0                  | 0            | 1      | 3.42          |
| SSW               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| SW                | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| WSW               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| W                 | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| WNW               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| NW                | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| NNW               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0      | 0.00          |
| Total             | 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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6- 5 10:00 to 7- 6- 5 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |                   |                    |                     |                    |              | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------------------|--------------------|---------------------|--------------------|--------------|--------|---------------|
|                   | 0.75-<br>-----<br><4    | 4-<br>-----<br><8 | 8-<br>-----<br><13 | 13-<br>-----<br><19 | 19-<br>-----<br>24 | >24<br>----- |        |               |
| 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 : 08-02-26

Data Period : 7- 6- 5 10:00 to 7- 6- 5 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6- 5 10:00 to 7- 6- 5 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                 | 1                       | 0     | 0      | 0       | 0      | 0   | 1      | 3.42          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                | 0                       | 1     | 1      | 0       | 0      | 0   | 2      | 7.64          |
| WSW               | 0                       | 3     | 0      | 0       | 0      | 0   | 3      | 6.64          |
| W                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 7.85          |
| 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 : 08-02-26

Data Period : 7- 6- 7 12:00 to 7- 6- 7 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 5.68          |
| W                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| Total             | 0                       | 1     | 0      | 0       | 0      | 0   | 1      |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6- 7 12:00 to 7- 6- 7 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 7.37          |
| 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 : 5

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6- 7 12:00 to 7- 6- 7 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                       | 2     | 1      | 0       | 0      | 0   | 3      | 8.38          |
| 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     | 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 : 5

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6- 7 12:00 to 7- 6- 7 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 6- 7 12:00 to 7- 6- 7 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 6- 7 12:00 to 7- 6- 7 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 6- 7 12:00 to 7- 6- 7 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 6- 7 12:00 to 7- 6- 7 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                       | 3     | 1      | 0       | 0      | 0   | 4      | 8.13          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 5.68          |
| 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     | 1      | 0       | 0      | 0   | 5      |               |

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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6-20 10:00 to 7- 6-20 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6-20 10:00 to 7- 6-20 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6-20 10:00 to 7- 6-20 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 15.42         |
| NE                | 0                       | 0     | 1      | 2       | 0      | 0   | 3      | 15.18         |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| 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      | 3       | 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6-20 10:00 to 7- 6-20 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 8.19          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 2      | 0       | 0      | 0   | 2      | 8.36          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| 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 : 7

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6-20 10:00 to 7- 6-20 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6-20 10:00 to 7- 6-20 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6-20 10:00 to 7- 6-20 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 6-20 10:00 to 7- 6-20 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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      | 1       | 0      | 0   | 2     | 11.81         |
| NE                | 0                       | 0     | 1      | 2       | 0      | 0   | 3     | 15.18         |
| ENE               | 0                       | 0     | 2      | 0       | 0      | 0   | 2     | 8.36          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| 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      | 3       | 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 : 08-02-26

Data Period : 7- 7- 3 10:00 to 7- 7- 3 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 7- 3 10:00 to 7- 7- 3 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 7- 3 10:00 to 7- 7- 3 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 6.64          |
| 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 : 5

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7- 3 10:00 to 7- 7- 3 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                       | 1     | 0      | 0       | 0      | 0   | 1      | 5.78          |
| SSE               | 0                       | 3     | 0      | 0       | 0      | 0   | 3      | 6.22          |
| 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     | 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 : 5

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7- 3 10:00 to 7- 7- 3 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 7- 3 10:00 to 7- 7- 3 14:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction               | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 7- 3 10:00 to 7- 7- 3 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<br>Direction                 | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-----------------------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| W                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WNW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NW                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| Total                             | 0                       | 0     | 0      | 0       | 0      | 0   | 0      |               |
| Hours of Calm :                   |                         |       |        |         |        |     |        |               |
| Hours of Varying Wind Direction : |                         |       |        |         |        |     |        |               |
| Hours of Missing Data :           |                         |       |        |         |        |     |        |               |
| Hours of Missing Data for All :   |                         |       |        |         |        |     |        |               |
| Hours of No Stability Class :     |                         |       |        |         |        |     |        |               |
| Total hours of observation :      |                         |       |        |         |        |     |        |               |

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7- 3 10:00 to 7- 7- 3 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                       | 1     | 0      | 0       | 0      | 0   | 1      | 5.78          |
| SSE               | 0                       | 4     | 0      | 0       | 0      | 0   | 4      | 6.33          |
| 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                       | 5     | 0      | 0       | 0      | 0   | 5      |               |

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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-18 13:00 to 7- 7-18 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 6.80          |
| WSW               | 0                       | 1     | 1      | 0       | 0      | 0   | 2     | 7.88          |
| 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 : 4

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-18 13:00 to 7- 7-18 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 6.16          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-18 13:00 to 7- 7-18 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 7-18 13:00 to 7- 7-18 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |                   |                    |                     |                    |                       | Total | Mean<br>Speed |
|-------------------|-------------------------|-------------------|--------------------|---------------------|--------------------|-----------------------|-------|---------------|
|                   | 0.75-<br>-----<br><4    | 4-<br>-----<br><8 | 8-<br>-----<br><13 | 13-<br>-----<br><19 | 19-<br>-----<br>24 | >24<br>-----<br>----- |       |               |
| 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 : 08-02-26

Data Period : 7- 7-18 13:00 to 7- 7-18 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 7-18 13:00 to 7- 7-18 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 7-18 13:00 to 7- 7-18 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 7-18 13:00 to 7- 7-18 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 6.80          |
| WSW               | 0                       | 2     | 1      | 0       | 0      | 0   | 3     | 7.31          |
| 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     | 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 : 08-02-26

Data Period : 7- 7-23 13:00 to 7- 7-23 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 7-23 13:00 to 7- 7-23 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 3.43          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| 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 : 5

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-23 13:00 to 7- 7-23 17:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.05          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.49          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 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     | 4.60          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| WSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| W                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| WNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| Total             | 0                       | 3     | 0      | 0       | 0      | 0   | 3     |               |

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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-23 13:00 to 7- 7-23 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<br>Direction | Wind Speed (miles/hour) |                   |                    |                     |                    |              | Total | Mean<br>Speed |
|-------------------|-------------------------|-------------------|--------------------|---------------------|--------------------|--------------|-------|---------------|
|                   | 0.75-<br>-----<br><4    | 4-<br>-----<br><8 | 8-<br>-----<br><13 | 13-<br>-----<br><19 | 19-<br>-----<br>24 | >24<br>----- |       |               |
| N                 | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0     | 0.00          |
| NNE               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0     | 0.00          |
| NE                | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0     | 0.00          |
| ENE               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0     | 0.00          |
| E                 | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0     | 0.00          |
| ESE               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0     | 0.00          |
| SE                | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0     | 0.00          |
| SSE               | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0     | 0.00          |
| S                 | 0                       | 0                 | 0                  | 0                   | 0                  | 0            | 0     | 0.00          |
| SSW               | 0                       | 1                 | 0                  | 0                   | 0                  | 0            | 1     | 6.12          |
| 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 : 5

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-23 13:00 to 7- 7-23 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 7-23 13:00 to 7- 7-23 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 7-23 13:00 to 7- 7-23 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 7-23 13:00 to 7- 7-23 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 4.05          |
| NNE               | 1                       | 0     | 0      | 0       | 0      | 0   | 1      | 3.43          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 4.49          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 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      | 4.60          |
| SSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 6.12          |
| 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                       | 4     | 0      | 0       | 0      | 0   | 5      |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-24 09:00 to 7- 7-24 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<br>Direction                 | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-----------------------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW                               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 6.10          |
| 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 :                   |                         |       |        |         |        |     |        |               |
| Hours of Varying Wind Direction : |                         |       |        |         |        |     |        |               |
| Hours of Missing Data :           |                         |       |        |         |        |     |        |               |
| Hours of Missing Data for All :   |                         |       |        |         |        |     |        |               |
| Hours of No Stability Class :     |                         |       |        |         |        |     |        |               |
| Total hours of observation :      |                         |       |        |         |        |     |        |               |

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-24 09:00 to 7- 7-24 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 4.97          |
| 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                       | 1     | 0      | 0       | 0      | 0   | 1      | 7.28          |
| 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 : 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-24 09:00 to 7- 7-24 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<br>Direction                   | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                                     | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                                   | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.43          |
| 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                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.91          |
| SSW                                 | 0                       | 2     | 0      | 0       | 0      | 0   | 2     | 7.33          |
| 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     | 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      |                         |       |        |         |        |     |       |               |

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-24 09:00 to 7- 7-24 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 5.16          |
| 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     | 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 : 08-02-26

Data Period : 7- 7-24 09:00 to 7- 7-24 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-24 09:00 to 7- 7-24 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-24 09:00 to 7- 7-24 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-24 09:00 to 7- 7-24 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 4.43          |
| NNE               | 0                       | 2     | 0      | 0       | 0      | 0   | 2      | 5.07          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                 | 0                       | 2     | 0      | 0       | 0      | 0   | 2      | 6.10          |
| SSW               | 0                       | 3     | 0      | 0       | 0      | 0   | 3      | 6.92          |
| 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                       | 8     | 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 : 08-02-26

Data Period : 7- 7-25 08:00 to 7- 7-25 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 9.23          |
| 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                       | 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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-25 08:00 to 7- 7-25 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                       | 1     | 0      | 0       | 0      | 0   | 1      | 7.62          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 2      | 0       | 0      | 0   | 2      | 8.88          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| 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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-25 08:00 to 7- 7-25 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 6.11          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.15          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 9.09          |
| SE                | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 8.52          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| 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     | 2      | 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-25 08:00 to 7- 7-25 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 4.14          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 2.94          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| 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                       | 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 : 10

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 7-25 08:00 to 7- 7-25 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 7-25 08:00 to 7- 7-25 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 7-25 08:00 to 7- 7-25 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 7-25 08:00 to 7- 7-25 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 6.11          |
| NNE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 4.14          |
| NE                | 0                       | 2     | 0      | 0       | 0      | 0   | 2      | 5.89          |
| ENE               | 1                       | 0     | 1      | 0       | 0      | 0   | 2      | 6.08          |
| E                 | 0                       | 0     | 2      | 0       | 0      | 0   | 2      | 8.88          |
| ESE               | 0                       | 0     | 1      | 0       | 0      | 0   | 1      | 9.09          |
| SE                | 0                       | 0     | 1      | 0       | 0      | 0   | 1      | 8.52          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| 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                       | 4     | 5      | 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 : 08-02-26

Data Period : 7- 8- 1 10:00 to 7- 8- 1 14:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 8- 1 10:00 to 7- 8- 1 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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                       | 1     | 0      | 0       | 0      | 0   | 1     | 7.75          |
| ENE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 6.54          |
| 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                       | 2     | 0      | 0       | 0      | 0   | 2     |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 8- 1 10:00 to 7- 8- 1 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 0       | 0      | 0   | 1      | 8.18          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| 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 : 5

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 8- 1 10:00 to 7- 8- 1 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 4.73          |
| NNE               | 0                       | 0     | 1      | 0       | 0      | 0   | 1      | 8.89          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| 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 : 5

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7- 8- 1 10:00 to 7- 8- 1 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 8- 1 10:00 to 7- 8- 1 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7- 8- 1 10:00 to 7- 8- 1 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7- 8- 1 10:00 to 7- 8- 1 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.73          |
| NNE               | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 8.89          |
| NE                | 0                       | 1     | 1      | 0       | 0      | 0   | 2     | 7.97          |
| ENE               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 6.54          |
| 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                       | 3     | 2      | 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 : 08-02-26

Data Period : 7-11-12 11:00 to 7-11-12 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 6.48          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-12 11:00 to 7-11-12 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 6.42          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-12 11:00 to 7-11-12 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 4.74          |
| 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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-12 11:00 to 7-11-12 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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                       | 2     | 0      | 0       | 0      | 0   | 2     | 5.61          |
| SW                | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 3.92          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.33          |
| 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                       | 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 : 8

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-12 11:00 to 7-11-12 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 4.04          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-12 11:00 to 7-11-12 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<br>Direction                   | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      |                         |       |        |         |        |     |        |               |

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-12 11:00 to 7-11-12 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-12 11:00 to 7-11-12 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                       | 3     | 0      | 0       | 0      | 0   | 3      | 5.09          |
| SW                | 1                       | 3     | 0      | 0       | 0      | 0   | 4      | 5.39          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 4.33          |
| 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                       | 7     | 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 : 08-02-26

Data Period : 7-11-13 10:00 to 7-11-13 15:00

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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 7.29          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-13 10:00 to 7-11-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| WSW               | 0                       | 1     | 1      | 0       | 0      | 0   | 2     | 8.13          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-13 10:00 to 7-11-13 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<br>Direction                   | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                                     | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                                   | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNE                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                                  | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                                   | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                                  | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                                   | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                                  | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW                                 | 0                       | 1     | 1      | 0       | 0      | 0   | 2      | 7.66          |
| 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      |                         |       |        |         |        |     |        |               |

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-13 10:00 to 7-11-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 6.53          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-13 10:00 to 7-11-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7-11-13 10:00 to 7-11-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7-11-13 10:00 to 7-11-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7-11-13 10:00 to 7-11-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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                       | 4     | 2      | 0       | 0      | 0   | 6     | 7.57          |
| 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     | 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-14 09:00 to 7-11-14 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7-11-14 09:00 to 7-11-14 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 5.69          |
| W                 | 0                       | 2     | 0      | 0       | 0      | 0   | 2     | 7.30          |
| WNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| Total             | 0                       | 3     | 0      | 0       | 0      | 0   | 3     |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-14 09:00 to 7-11-14 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| WSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| W                 | 0                       | 2     | 0      | 0       | 0      | 0   | 2     | 6.23          |
| 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 : 6

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-14 09:00 to 7-11-14 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.26          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-14 09:00 to 7-11-14 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7-11-14 09:00 to 7-11-14 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7-11-14 09:00 to 7-11-14 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<br>Direction                 | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-----------------------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| W                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WNW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NW                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| Total                             | 0                       | 0     | 0      | 0       | 0      | 0   | 0      |               |
| Hours of Calm :                   |                         |       |        |         |        |     |        |               |
| Hours of Varying Wind Direction : |                         |       |        |         |        |     |        |               |
| Hours of Missing Data :           |                         |       |        |         |        |     |        |               |
| Hours of Missing Data for All :   |                         |       |        |         |        |     |        |               |
| Hours of No Stability Class :     |                         |       |        |         |        |     |        |               |
| Total hours of observation :      |                         |       |        |         |        |     |        |               |

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-14 09:00 to 7-11-14 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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                       | 2     | 0      | 0       | 0      | 0   | 2     | 4.98          |
| W                 | 0                       | 4     | 0      | 0       | 0      | 0   | 4     | 6.77          |
| 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             | 0                       | 6     | 0      | 0       | 0      | 0   | 6     |               |

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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-19 09:00 to 7-11-19 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7-11-19 09:00 to 7-11-19 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7-11-19 09:00 to 7-11-19 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7-11-19 09:00 to 7-11-19 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| W                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 4.12          |
| WNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NW                | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 5.52          |
| 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 : 4

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-19 09:00 to 7-11-19 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|-------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |       |               |
| N                 | 1                       | 0     | 0      | 0       | 0      | 0   | 1     | 3.60          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1     | 4.73          |
| 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 : 4

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-11-19 09:00 to 7-11-19 12:00

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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7-11-19 09:00 to 7-11-19 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7-11-19 09:00 to 7-11-19 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                 | 1                       | 0     | 0      | 0       | 0      | 0   | 1      | 3.60          |
| NNE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW               | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 4.73          |
| W                 | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 4.12          |
| WNW               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NW                | 0                       | 1     | 0      | 0       | 0      | 0   | 1      | 5.52          |
| NNW               | 0                       | 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 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 : 08-02-26

Data Period : 7-12- 6 12:00 to 7-12- 6 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<br>Direction                   | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7-12- 6 12:00 to 7-12- 6 16:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction                 | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                       | 1     | 1      | 0       | 0      | 0   | 2      | 8.73          |
| ENE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| 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 :      |                         |       |        |         |        |     |        |               |
| 5                                 |                         |       |        |         |        |     |        |               |

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-12- 6 12:00 to 7-12- 6 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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                       | 1     | 0      | 0       | 0      | 0   | 1     | 7.30          |
| ENE               | 0                       | 0     | 2      | 0       | 0      | 0   | 2     | 8.33          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0     | 0.00          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-12- 6 12:00 to 7-12- 6 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7-12- 6 12:00 to 7-12- 6 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7-12- 6 12:00 to 7-12- 6 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<br>Direction                 | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>Speed |
|-----------------------------------|-------------------------|-------|--------|---------|--------|-----|--------|---------------|
|                                   | 0.75- <4                | 4- <8 | 8- <13 | 13- <19 | 19- 24 | >24 |        |               |
| N                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NE                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ENE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| E                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| S                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SW                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WSW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| W                                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| WNW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NW                                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| NNW                               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| Total                             | 0                       | 0     | 0      | 0       | 0      | 0   | 0      |               |
| Hours of Calm :                   |                         |       |        |         |        |     |        |               |
| Hours of Varying Wind Direction : |                         |       |        |         |        |     |        |               |
| Hours of Missing Data :           |                         |       |        |         |        |     |        |               |
| Hours of Missing Data for All :   |                         |       |        |         |        |     |        |               |
| Hours of No Stability Class :     |                         |       |        |         |        |     |        |               |
| Total hours of observation :      |                         |       |        |         |        |     |        |               |

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-12- 6 12:00 to 7-12- 6 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7-12- 6 12:00 to 7-12- 6 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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                       | 2     | 1      | 0       | 0      | 0   | 3      | 8.25          |
| ENE               | 0                       | 0     | 2      | 0       | 0      | 0   | 2      | 8.33          |
| E                 | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| ESE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SE                | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| SSE               | 0                       | 0     | 0      | 0       | 0      | 0   | 0      | 0.00          |
| 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     | 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 : 08-02-26

Data Period : 7-12-13 09:00 to 7-12-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 1      | 0       | 0      | 0   | 1     | 10.90         |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-12-13 09:00 to 7-12-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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     | 1      | 0       | 0      | 0   | 1      | 10.70         |
| 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                       | 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-12-13 09:00 to 7-12-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 7.16          |
| 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 : 6

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-12-13 09:00 to 7-12-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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      | 5.54          |
| 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

# JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-12-13 09:00 to 7-12-13 14:00

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

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

Hours at Each Wind Direction and Speed

| Wind<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 4.90          |
| 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

## JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

SITE: V. C. SUMMER Nuclear Station UNIT 1

Report Date : 08-02-26

Data Period : 7-12-13 09:00 to 7-12-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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 : 08-02-26

Data Period : 7-12-13 09:00 to 7-12-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total' | Mean<br>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 : 08-02-26

Data Period : 7-12-13 09:00 to 7-12-13 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<br>Direction | Wind Speed (miles/hour) |       |        |         |        |     | Total | Mean<br>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     | 4.90          |
| SW                | 0                       | 3     | 1      | 0       | 0      | 0   | 4     | 7.64          |
| WSW               | 0                       | 0     | 1      | 0       | 0      | 0   | 1     | 10.90         |
| 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     | 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