

DETROIT EDISON COMPANY

FERMI-2

LICENSE NO. NPF - 43

SEMI-ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT  
FOR THE PERIOD  
JULY 1, 1985 THROUGH DECEMBER 31, 1985

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INTRODUCTION

This Semi-annual Radioactive Effluent Release Report, hereinafter referred to as this REPORT, for the period July 1, 1985 through December 31, 1985 is submitted in accordance with Appendix A to Fermi-2 Plant, License No. 43. The appendix will be referred to hereinafter as the Fermi-2 Technical Specifications, or Tech. Specs.

For all effluent releases, the concentrations of radioactive material were within the required limits.

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## A. Supplemental Information

## A.1 Regulatory Limits

## a. Liquid Effluents

## 1) Concentration (Tech. Spec. 3.11.1.1)

The concentration of radioactive material released in liquid effluents to UNRESTRICTED AREAS shall be limited to the concentrations specified in 10CFR20, Appendix B, Table II, Column 2, for radionuclides other than dissolved or entrained noble gases. For dissolved or entrained noble gases, the concentration shall be limited to 2.0 E-4 microcuries/ml total activity.

## 2) Dose (Tech. Spec. 3.11.1.2)

The dose or dose commitment to a MEMBER OF THE PUBLIC from radioactive materials in liquid effluents released, from each reactor unit, to UNRESTRICTED AREAS shall be limited: During any calendar quarter to less than or equal to 1.5 mrems to the total body and to less than or equal to 5 mrems to any organ; and during any calendar year to less than or equal to 3 mrems to the total body and to less than or equal to 10 mrems to any organ.

## b. Gaseous Effluents

## 1) Unrestricted Area Boundary Dose Rate (Tech. Spec. 3.11.2.1)

The dose rate, due to radioactive materials releases in gaseous effluent from the site to areas at and beyond the SITE BOUNDARY shall be limited to the following:

- a) For noble gases: Less than or equal to 500 mrems/yr to the total body and less than or equal to 3000 mrems/yr to the skin, and,
- b) For iodine-131, iodine-133, tritium, and for all radionuclides in particulate form, with half-lives greater than 8 days: Less than or equal to 1500 mrems/yr to any organ.

## 2) Unrestricted Area Air Dose (Tech. Spec. 3.11.2.2)

The air dose due to noble gases released in gaseous effluents, from each reactor unit, to areas at and beyond the SITE BOUNDARY shall be limited to the following:

- a) During any calendar quarter: Less than or equal to 5 mrad for gamma radiation and less than or equal to 10 mrad for beta radiation.
  - b) During any calendar year: Less than or equal to 10 mrad for gamma radiation and less than or equal to 20 mrad for beta radiation.
3. Unrestricted Area Dose to Individual (Tech. Spec. 3.11.2.3)

The dose to a MEMBER OF THE PUBLIC from I-131, I-133, tritium, and all radionuclides in particulate form with half-lives greater than eight days, in gaseous effluents released, from each reactor unit, to areas at and beyond the SITE BOUNDARY shall be limited to the following:

- a) During any calendar quarter: Less than or equal to 7.5 mrem to any organ.
- b) During any calendar year: Less than or equal to 15 mrem to any organ.

c. Calculations

Equations and constants used to verify compliance with the above criteria are given in the Offsite Dose Calculation Manual (ODCM), previously submitted on October 11, 1984.

A.2 Maximum Permissible Concentrations

a. Liquids

The Maximum Permissible Concentrations (MPC) in liquids are those in 10CFR20, Appendix B, Table II, Column 2, with the lower of the soluble and insoluble MPC being used in all cases. For dissolved and entrained noble gases, an MPC of  $2.0 \text{ E-4}$  microcuries/ml is applied.

b. Gases

The Fermi-2 Technical Specifications for gaseous effluents do not contain a concentration requirement. Therefore, MPC for gases does not apply.

A.3 Average Energy

Average Energy of effluent radionuclide mixtures does not apply to the Fermi-2 Technical Specifications or the ODCM.

#### A.4 Measurements and Approximations of Total Radioactivity

The following discussion summarizes the methods used to measure total radioactivity in gaseous and liquid effluents. Tables A4.2 and A4.1 give the sampling and analysis frequencies of gaseous and liquid effluents respectively.

##### a. Gaseous Effluents

Table A4.2 (which is Table 4.11.2.1.2-1 of Fermi-2 Technical Specifications) summarizes the gaseous waste sampling and analysis program. The four types of total radioactivity listed in Table B1.1 of this REPORT are discussed separately below. Note that in accord with the ODCM, gaseous effluent stack flow rates are always assumed to be the maximum design values. As a result, estimates of radioactivity are high, and error estimates are large in a conservative manner.

##### 1) Fission and Activation Gases

Fission and activation gases are quantified by the gamma-ray analysis of appropriate samples using germanium detectors and multichannel analyzers. The radionuclides measured and included in the dose calculations (when present in measureable quantities as defined in Table A4.2) include the following:

Kr-85m	Kr-88	Xe-135m
Kr-85	Xe-133m	Xe-135
Kr-87	Xe-133	Xe-138

The reported total of fission and activation gases is maximum value of the sum of the releases of the above gases in all batch and continuous releases.

Considering uncertainties in radiation counting and in volume, flowrate, and pressure measurements, total fission and activation gases estimates are expected to be in error by less than 7.4% low and 50.3% high.

##### 2) Radioiodines and Particulates

Radioiodines and particulates are quantified by the gamma-ray analysis of charcoal and filter cartridges using high-resolution germanium detectors and multichannel analyzers. In each case, the sampling flowrate for these continuous effluent samplers, the maximum flowrate in the sampled effluent paths, and the length of the sample period are known. The radionuclides measured and included in the dose calculations (when present in measurable quantities as defined in Table A4.2) include the following:

Mn-54	Zn-65	Cs-134	Other nuclides
Fe-59	Mo-99	Cs-137	with half-lives
Co-58	I-131	Ce-141	greater than
Co-60	I-133	Ce-144	8 days

The filters are also composited and separately analyzed for Sr-89, Sr-90, and gross alpha radioactivity. When detectable, these totals are included in the reported total particulate releases.

Considering uncertainties in radiation counting and in volume, flowrate, and pressure measurements, total radioiodine and particulate estimates are expected to be in error by less than 22.9% low and 54.8% high.

### 3) Tritium

Tritium is analyzed by liquid scintillation counting of special grab samples. The sum of the tritium results for all batch and continuous grab samples is reported as the total tritium release.

Considering uncertainties in radiation counting and in volume, flowrate and pressure measurements, total tritium estimates are expected to be in error by less than 12.3% low and 51.2% high.

## b. Liquid Effluents

Table A4.1 (which is Table 4.11.1.1.1-1 of the Fermi-2 Technical Specifications) summarizes the liquid waste sampling and analysis program. The four types of total radioactivity given in Table C1.1 of this RPPOR are discussed below.

### 1) Fission and Activation Products

Fission and activation products are quantified by the gamma-ray analysis of appropriate batch, grab and composite samples using high-resolution germanium detectors and multichannel analyzers. The radionuclides measured and included in the dose calculations (when present in measurable quantities as defined in Table A4.1) include the following:

Mn-54	Zn-65	Ce-144
Fe-59	Mo-99	Ba/La-140
Co-58	Cs-134	Other radio
Co-60	Cs-137	nuclides as
	Ce-141	appropriate

Composite samples are also analyzed for Fe-55 (by chemical separation and liquid scintillation counting), and for Sr-89 and Sr-90 (by chemical separation and proportional counting).



The total release given in this REPORT is the sum of all the above radionuclides in all batch and continuous release.

Considering uncertainties in radiation counting and flowrate and volume measurements, total fission and activation product estimates are expected to be in error by less than 14.3%.

## 2) Tritium

Tritium in batch or continuous releases is quantified by liquid scintillation counting of an appropriate composite sample. The total tritium activity reported is the sum of the tritium activities in all batch and continuous releases.

Considering uncertainties in radiation counting and in flow rate and volume measurements, total tritium estimates are expected to be in error by less than 14.3%.

## 3) Dissolved and Entrained Gases

Dissolved and entrained gases are quantified by the gamma-ray analysis of monthly grab samples, using high-resolution germanium detectors and multichannel analyzers. The radionuclides measured and included in the dose calculations (when present in measurable quantities as defined in Table A4.1) include the following:

Ar-41	Kr-90	Xe-135m
Kr-85m	Xe-131	Xe-135
Kr-85	Xe-133	Xe-137
Kr-88	Xe-133m	Xe-138
Kr-89		

Considering uncertainties in radiation counting and in flowrate and volume measurements, total dissolved and entrained gases estimates are expected to be in error by less than 15.0%.

## 4) Gross Alpha

Gross Alpha-emitting radionuclides are quantified by the counting of appropriate composite samples in a 2-pi geometry gas flow proportional counter. Considering uncertainties in radiation counting and in flowrate and volume measurements, total gross alpha estimates are expected to be in error by less than 22.5%.

### A.5 Batch Release Summary

A summary of statistical data for batch releases is found in Table A5.1 of this REPORT. Stream flow data do not apply since Fermi-2 effluents pass directly into Lake Erie.

## A.6 Abnormal Releases

The following summarizes abnormal releases which occurred during the six month reporting period.

### a. Missed Sample of Primary Containment Atmosphere

On October 11 and 13, 1985, the primary containment was vented through the Reactor Building Ventilation Exhaust System and subsequently through the Reactor Building Exhaust Plenum. Samples of the primary containment atmosphere were not taken prior to initiating the venting. This is contrary to Fermi 2 Technical Specifications.

Effluents which are vented from the primary containment atmosphere are continuously monitored by the Reactor Building Ventilation Exhaust radiation monitor and subsequently by the Reactor Building Exhaust Plenum radiation monitor. Both monitors were capable of annunciating an alarm in the plant Control Room, if regulatory release limits were exceeded, allowing the operator to terminate the release. In addition, the Reactor Building Ventilation Exhaust radiation monitor will automatically terminate the release if regulatory limits are exceeded.

Samples of the primary containment atmosphere, taken previous to and after the venting, showed no detectable radioactivity.

This occurrence was reported in Licensee Event Report (LER) 85-070.

### b. Condensate Storage Tank (CST) Spill

On November 17, 1985 approximately 35,000 gallons of water from the Condensate Storage Tank (CST) were spilled into the diked area surrounding the tank. Approximately 100 gallons of the spill water was recovered, with the majority soaking into the ground. Samples were taken of the CST water and of the spill water. Additionally, core samples have been taken of the ground around the CST, both inside and outside of the diked area.

Sample results from the CST sample water are shown below. The ground core samples have been sent off site for analysis and results should be available in March 1986. A preliminary radiological assessment of this occurrence has been performed, based on the CST water sample results. The potential radiation dose to a member of the public was calculated as 0.002 to 0.08 mrem, using conservative calculational assumptions and methods. This is less than 1% of the annual limit of 10 mrem in the Fermi 2 Technical Specifications.

Detroit Edison is still investigating this occurrence.

CST Water Sample Results

<u>Radionuclide</u>	<u>Concentration (uCi/ml)</u>	<u>Total Activity* (uCi)</u>
H-3	1.75 E-5	2320
Cr-51	4.92 E-7	65
Mn-54	6.31 E-8	8
Co-58	8.26 E-7	109
Co-60	1.26 E-7	17

\* based on 35,000 gallons

c. Inoperable Radiation Monitor Sample Pump During Liquid Effluent Discharge

On November 27, 1985 an operator failed to place a sample pump in service for the Circulating Water Reservoir Decant Line radiation monitor during a discharge of two (2) waste sample tanks. This was contrary to Fermi 2 Technical Specifications.

The effluent discharge from the waste sample tanks is also monitored by the Liquid Radwaste Effluent radiation monitor, which will automatically terminate a release whenever the regulatory release limits are exceeded. This monitor was in service during the entire release period, in accordance with Technical Specifications. In addition, samples taken from the waste sample tanks prior to initiating the discharge showed no detectable radioactivity.

Samples are routinely taken from the Circulating Water Reservoir to confirm that there is no radioactivity present in the Circulating Water System. Samples taken previous to and after the discharge showed no detectable radioactivity.

This occurrence was reported in Licensee Event Report (LER) 85-080.

d. Discharge from Circulating Water Reservoir

On October 17, 1985 approximately 1.2 million gallons of water was inadvertently drained from the Circulating Water Reservoir (CWR) through the General Service Water (GSW) inlet to Lake Erie. Routine samples taken from the CWR previous to and after the release showed no detectable radioactivity. The routine sampling of the CWR is done to confirm that there is no radioactivity in the circulating water system.

No radioactivity was released, and this occurrence was not contrary to Technical Specifications. It has been included in this report for completeness.

## B. Gaseous Effluents

## B.1 Summation of all Releases

The Gaseous Effluent Summation for the Fermi-2 Plant is given in Table B1.1. Because the Fermi-2 Technical Specifications are dose-based, not curie-based, the lines labeled "% of Technical Specification Limit" do not apply, but are included in the standard report software used.

## B.2 Continuous Releases

Continuous gaseous releases from the Fermi-2 Plant are summarized by release height in Table B2.1. No credit is taken for elevated releases, thus all releases are considered to occur at ground level, per the ODCM.

## B.3 Batch Releases

No batch gaseous releases are made from the Fermi-2 Plant.

## C. Liquid Effluents

## C.1 Summation of all Releases

The Liquid Effluent Summation for the Fermi-2 Plant is given in Table C.1.1.

## C.2 Liquid Release Summary by Mode

Liquid releases by mode for the Fermi-2 Plant are summarized in Table C2.1. No continuous liquid releases were made from the Fermi-1 Plant.

## D. Solid Waste

## D.1 The volume, activity, and disposition of solid waste shipments during the reporting period are summarized in Table D1.1.

## E. Radiation Dose to the Public

- E.1 Doses to members of the public from liquid effluents from the Fermi-2 Plant during the reporting period are summarized in Table E1.1. The maximum exposed individual for the purpose of this calculation is one who consumes fish caught 1770 meters northeast of the Fermi-2 plant.
- E.2 Doses to members of the public from gaseous effluents from the Fermi-2 Plant during the reporting period are summarized in Table E2.1. Air doses and individual doses due to noble gases are computed at the site boundary, in the northeast sector. For the purpose of organ dose calculations, the maximally exposed individual is an infant in the west-northwest sector exposed via the inhalation, ground plane, and grass/goat/milk pathways.
- E.3 Doses calculations for members of the public onsite are not applicable at Fermi-2.
- E.4 No new locations were identified by the land use census for environmental monitoring and dose calculations.

## F. Meteorological Data

### F.1 First Quarter Summary

The joint frequency tables of wind speed and direction with atmospheric stability for the first calendar quarter of the reporting period are given in Table F1.1 for the 10 meter level and in Table F2.1 for the 60 meter level.

### F.2 Second Quarter Summary

The joint frequency tables wind speed and direction with atmospheric stability for the second calendar quarter of the reporting period are given in Table F2.1 for the 10 meter level and Table F2.2 for the 60 meter level.

### F.3 Third Quarter Summary

The joint frequency tables of wind speed and direction with atmospheric stability for the third calendar quarter of the reporting period are given in Table F3.1 for the 10 meter level and Table F3.2 for the 60 meter level.

### F.4 Fourth Quarter Summary

The joint frequency tables wind speed and direction with atmospheric stability for the fourth calendar quarter are given in Table F4.1 for the 10 meter level and Table F4.2 for the 60 meter level.

F.5 Annual Summary

The joint frequency tables wind speed and direction with atmospheric stability for the calendar year 1985 are given in Table F5.1 for the 10 meter level and Table F5.2 for the 60 meter level.

F.6 Atmospheric Stability

Criteria used to classify atmospheric stability in the compilation of the joint frequency tables are given in Table F6.1 of this report.

G. Notification of Changes

G.1 Changes to the Process Control Program (PCP)

The PCP was changed as summarized in Table G1.1, effective November 11, 1985.

G.2 Changes to the Offsite Dose Calculation Manual (ODCM).

The ODCM was changed as summarized in Table G2.1, effective November 27, 1985.

TABLE A 4.1

## RADIOACTIVE LIQUID WASTE SAMPLING AND ANALYSIS PROGRAM

Liquid Release Type	Sampling Frequency	Minimum Analysis Frequency	Type of Activity Analysis	Lower Limit of Detection (LLD) ( $\mu\text{Ci}/\text{ml}$ )
A. Batch Waste Release Sample Tanks (3)	P Each Batch	P Each Batch	Principal Gamma Emitters <sup>c</sup>	$5 \times 10^{-7}$
			I-131	$1 \times 10^{-6}$
	P One Batch/M	M	Dissolved and Entrained Gases (Gamma Emitters)	$1 \times 10^{-5}$
	P Each Batch	M Composite <sup>d</sup>	H-3	$1 \times 10^{-5}$
			Gross Alpha	$1 \times 10^{-7}$
	P Each Batch	Q Composite <sup>d</sup>	Sr-89, Sr-90	$5 \times 10^{-8}$
		Fe-55	$1 \times 10^{-6}$	
B. Continuous Releases General Service Water System (GSW) (if Contaminated)	NA	M Composite <sup>d</sup>	Principal Gamma Emitters <sup>c</sup>	$5 \times 10^{-7}$
			I-131	$1 \times 10^{-6}$
	W Grab Sample	M	Dissolved and Entrained Gases (Gamma Emitters)	$1 \times 10^{-5}$
			H-3	$1 \times 10^{-5}$
	NA	M Composite <sup>d</sup>	Gross Alpha	$1 \times 10^{-7}$
	NA	Q Composite <sup>d</sup>	Sr-89, Sr-90	$5 \times 10^{-8}$
		Fe-55	$1 \times 10^{-6}$	

TABLE A 4.1 (Continued)

TABLE NOTATION

<sup>a</sup>The LLD is defined, for purposes of these specifications, as the smallest concentration of radioactive material in a sample that will yield a net count, above system background, that will be detected with 95% probability with only 5% probability of falsely concluding that a blank observation represents a "real" signal.

For a particular measurement system, which may include radiochemical separation:

$$LLD = \frac{4.66 s_b}{E \cdot V \cdot 2.22 \times 10^6 \cdot Y \cdot \exp(-\lambda \Delta t)}$$

Where:

LLD is the "a priori" lower limit of detection as defined above, as microcuries per unit mass or volume,

$s_b$  is the standard deviation of the background counting rate or of the counting rate of a blank sample as appropriate, as counts per minute,

E is the counting efficiency, as counts per disintegration,

V is the sample size in units of mass or volume,

$2.22 \times 10^6$  is the number of disintegrations per minute per microcurie,

Y is the fractional radiochemical yield, when applicable,

$\lambda$  is the radioactive decay constant for the particular radionuclide, and

$\Delta t$  for plant effluents is the elapsed time between the midpoint of sample collection and time of counting.

Typical values of E, V, Y, and  $\Delta t$  should be used in the calculation.

It should be recognized that the LLD is defined as an a priori (before the fact) limit representing the capability of a measurement system and not as an a posteriori (after the fact) limit for a particular measurement.

<sup>b</sup>A batch release is the discharge of liquid wastes of a discrete volume. Prior to sampling for analyses, each batch shall be isolated, and then thoroughly mixed by a method described in the ODCM to assure representative sampling.



TABLE A 4.1 (Continued)TABLE NOTATION

<sup>c</sup>The principal gamma emitters for which the LLD specification applies exclusively are: Mn-54, Fe-59, Co-58, Co-60, Zn-65, Mo-99, Cs-134, Cs-137, Ce-141, and Ce-144. This does not mean that only these nuclides are to be considered. Other peaks that are identifiable, together with those of the above nuclides, shall also be analyzed and reported in the Semiannual Radioactive Effluent Release Report pursuant to Specification 6.9.1.8.

<sup>d</sup>A composite sample is one in which the quantity of liquid samples is proportional to the quantity of liquid waste discharged and in which the method of sampling employed results in a specimen that is representative of the liquids released. This may be accomplished through composites of grab samples obtained prior to discharge after the tanks have been recirculated.

<sup>e</sup>A continuous release is the discharge of liquid wastes of a nondiscrete volume; e.g., from a volume of a system that has an input flow during the continuous release.

TABLE A 4.2  
 RADIOACTIVE GASEOUS WASTE SAMPLING AND ANALYSIS PROGRAM

Gaseous Release Type	Sampling Frequency	Minimum Analysis Frequency	Type of Activity Analysis	Lower Limit of Detection (LLD) <sup>a</sup> (μCi/ml)
A. Containment PURGE (Pre Treatment)	P, S <sup>1</sup> Each PURGE Grab Sample	P, S <sup>1</sup> Each PURGE P	Principal Gamma Emitters <sup>b</sup> H-3	1x10 <sup>-4</sup> 1x10 <sup>-6</sup>
B. Reactor Building Exhaust Plenum Standby Gas Treatment System	M, D, W Grab Sample	M <sup>c</sup> M <sup>c</sup>	Principal Gamma Emitters <sup>b</sup> H-3	1x10 <sup>-4</sup> 1x10 <sup>-6</sup>
C. Radwaste Building Turbine Building Service Building On-site Storage Facility	M Grab Sample	M M	Principal Gamma Emitters <sup>b</sup> H-3	1x10 <sup>-4</sup> 1x10 <sup>-6</sup>
D. All Release Types as listed in B and C above.	Continuous <sup>f</sup>	W <sup>g</sup> Adsorbent Sample	I-131 I-133	1x10 <sup>-12</sup> 1x10 <sup>-10</sup>
	Continuous <sup>f</sup>	W <sup>g</sup> Particulate Sample	Principal Gamma Emitters <sup>b</sup> (I-131, others)	1x10 <sup>-11</sup>
	Continuous <sup>f</sup>	M Composite Particulate Sample	Gross Alpha	1x10 <sup>-11</sup>
	Continuous <sup>f</sup>	Q Composite Particulate Sample	Sr-89, Sr-90	1x10 <sup>-11</sup>
	Continuous <sup>f</sup>	Noble Gas Monitor	Noble Gases Gross Beta or Gamma	1x10 <sup>-6</sup>

TABLE A 4.2 (Continued)

TABLE NOTATION

\*The LLD is defined, for purposes of these specifications, as the smallest concentration of radioactive material in a sample that will yield a net count, above system background, that will be detected with 95% probability with only 5% probability of falsely concluding that a blank observation represents a "real" signal.

For a particular measurement system, which may include radiochemical separation:

$$LLD = \frac{4.66 s_b}{E \cdot V \cdot 2.22 \times 10^6 \cdot Y \cdot \exp(-\lambda \Delta t)}$$

Where:

LLD is the "a priori" lower limit of detection as defined above, as microcuries per unit mass or volume,

$s_b$  is the standard deviation of the background counting rate or of the counting rate of a blank sample as appropriate, as counts per minute,

E is the counting efficiency, as counts per disintegration,

V is the sample size in units of mass or volume,

$2.22 \times 10^6$  is the number of disintegrations per minute per microcurie,

Y is the fractional radiochemical yield, when applicable,

$\lambda$  is the radioactive decay constant for the particular radionuclide, and

$\Delta t$  for plant effluents is the elapsed time between the midpoint of sample collection and time of counting.

Typical values of E, V, Y, and  $\Delta t$  should be used in the calculation.

It should be recognized that the LLD is defined as an a priori (before the fact) limit representing the capability of a measurement system and not as an a posteriori (after the fact) limit for a particular measurement.

TABLE A 4.2 (Continued)

TABLE NOTATIONS

- <sup>b</sup>The principal gamma emitters for which the LLD specification applies exclusively are the following radionuclides: Kr-87, Kr-88, Xe-133, Xe-133m, Xe-135, and Xe-138 in noble gas releases and Mn-54, Fe-59, Co-58, Co-60, Zn-65, Mo-99, I-131, Cs-134, Cs-137, Ce-141 and Ce-144 in iodine and particulate releases. This list does not mean that only these nuclides are to be considered. Other gamma peaks that are identifiable, together with those of the above nuclides, shall also be analyzed and reported in the Semiannual Radioactive Effluent Release Report pursuant to Specification 6.9.1.8.
- <sup>c</sup>Sampling and analysis shall also be performed following shutdown, startup, or a THERMAL POWER change exceeding 15% of RATED THERMAL POWER within a 1-hour period. This requirement does not apply if (1) analysis shows that the DOSE EQUIVALENT I-131 concentration in the primary coolant has not increased more than a factor of 3; and (2) the noble gas monitor shows that effluent activity has not increased more than a factor of 3.
- <sup>d</sup>Tritium grab samples shall be taken at least once per 24 hours when either the reactor well or the dryer-separator storage pool is flooded.
- <sup>e</sup>Tritium grab samples shall be taken at least once per 7 days from the ventilation exhaust from the spent fuel pool area, whenever spent fuel is in the spent fuel pool.
- <sup>f</sup>The ratio of the sample flow rate to the sampled stream flow rate shall be known for the time period covered by each dose or dose rate calculation made in accordance with Specifications 3.11.2.1, 3.11.2.2, and 3.11.2.3.
- <sup>g</sup>Samples shall be changed at least once per 7 days and analyses shall be completed within 48 hours after changing, or after removal from sampler. Sampling shall also be performed at least once per 24 hours for at least 7 days following each shutdown, startup or THERMAL POWER change exceeding 15% of RATED THERMAL POWER in 1 hour and analyses shall be completed within 48 hours of changing. When samples collected for 24 hours are analyzed, the corresponding LLDs may be increased by a factor of 10. This requirement does not apply if (1) analysis shows that the DOSE EQUIVALENT I-131 concentration in the primary coolant has not increased more than a factor of 3; and (2) the noble gas monitor shows that effluent activity has not increased more than a factor of 3.
- <sup>h</sup>Required when the SGTS is in operation.
- <sup>i</sup>The containment shall be sampled and analyzed within 8 hours prior to the start of any VENTING or PURGING and at least once per 12 hours during VENTING or PURGING of the drywell through other than the SGTS.

REPORT CATEGORY  
RELEASE POINT  
TYPE OF RELEASE  
PERIOD START TIME  
PERIOD END TIME

: BATCH RELEASE SUMMARY  
: ALL  
: BATCH LIQUID AND GASEOUS  
: 4344:00 HRS = 12:00AM JULY 1, 1985  
: 8759:59 HRS = 11:59PM DECEMBER 31, 1985

LIQUID RELEASES

NUMBER OF RELEASES : 47  
TOTAL TIME FOR ALL RELEASES : 21312.0 MINUTES  
MAXIMUM TIME FOR A RELEASE : 538.0 MINUTES  
AVERAGE TIME FOR A RELEASE : 453.4 MINUTES  
MINIMUM TIME FOR A RELEASE : 239.0 MINUTES  
AVERAGE STREAM FLOW : N/A GPM

NOTE: Stream flow data do not apply since Fermi 2 effluents pass directly into Lake Erie.

GASEOUS RELEASES

NUMBER OF RELEASES : 0  
TOTAL TIME FOR ALL RELEASES : 0.0 MINUTES  
MAXIMUM TIME FOR A RELEASE : 0.0 MINUTES  
AVERAGE TIME FOR A RELEASE : 0.0 MINUTES  
MINIMUM TIME FOR A RELEASE : 0.0 MINUTES

TABLE A5.1

REPORT CATEGORY : SEMIANNUAL SUMMATION OF ALL RELEASES BY QUARTER  
 TYPE OF ACTIVITY : ALL AIRBORNE EFFLUENTS  
 REPORTING PERIOD : QUARTER # 3 AND QUARTER # 4

TYPE OF EFFLUENT	UNIT	QUARTER 3	QUARTER 4
		HOURS	HOURS
		4345-6552	6553-8760

#### A. FISSION AND ACTIVATION PRODUCTS

1. TOTAL RELEASE	:CURIES	: 0.00E-01	: 0.00E-01
2. AVERAGE RELEASE RATE FOR PERIOD	:UCI/SEC	: 0.00E-01	: 0.00E-01
3. PERCENT OF TECH SPEC LIMIT	: %	: 0.00E-01	: 0.00E-01

#### B. RADIOIODINES

1. TOTAL IODINE-131	:CURIES	: 0.00E-01	: 0.00E-01
2. AVERAGE RELEASE RATE FOR PERIOD	:UCI/SEC	: 0.00E-01	: 0.00E-01
3. PERCENT OF TECH SPEC LIMIT	: %	: 0.00E-01	: 0.00E-01

#### C. PARTICULATES

1. PARTICULATES(HALF-LIVES>8 DAYS)	:CURIES	: 0.00E-01	: 0.00E-01
2. AVERAGE RELEASE RATE FOR PERIOD	:UCI/SEC	: 0.00E-01	: 0.00E-01
3. PERCENT OF TECH SPEC LIMITS	: %	: 0.00E-01	: 0.00E-01
4. GROSS ALPHA RADIOACTIVITY	:CURIES	: 0.00E-01	: 0.00E-01

#### D. TRITIUM

1. TOTAL RELEASE	:CURIES	: 0.00E-01	: 0.00E-01
2. AVERAGE RELEASE RATE FOR PERIOD	:UCI/SEC	: 0.00E-01	: 0.00E-01
3. PERCENT OF TECH SPEC LIMIT	: %	: 0.00E-01	: 0.00E-01

NOTE: Zero curies indicates activity was not detected, per Table A4.

NOTE: Disregard "% of Tech Spec limit" lines A.3, B.3, C.3, D.3. No such release rate limits apply.

REPORT CATEGORY : SEMIANNUAL AIRBORNE CONTINUOUS ELEVATED AND GROUND  
 TYPE OF ACTIVITY : LEVEL RELEASES. TOTALS FOR EACH NUCLIDE RELEASED.  
 REPORTING PERIOD : FISSION GASES, IODINES, AND PARTICULATES  
 : QUARTER # 3 AND QUARTER # 4

NUCLIDE	UNIT	ELEVATED RELEASES		GROUND RELEASES	
		QUARTER 3	QUARTER 4	QUARTER 3	QUARTER 4
		HOURS	HOURS	HOURS	HOURS
		4345-6552	6553-8760	4345-6552	6553-8760

## FISSION GASES

KR-83M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-85M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-85	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-87	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-88	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-89	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-90	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-131M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-133M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-133	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-135M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-135	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-137	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-138	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
AR-41	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TOTAL FOR PERIOD	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01

## IODINES

I-130	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-131	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-132	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-133	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-134	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-135	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TOTAL FOR PERIOD	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01

NOTE: Zero curies indicates activity was not detected, per Table A4.

REPORT CATEGORY : SEMIANNUAL AIRBORNE CONTINUOUS ELEVATED AND GROUND  
 TYPE OF ACTIVITY : LEVEL RELEASES. TOTALS FOR EACH NUCLIDE RELEASED.  
 REPORTING PERIOD : FISSION GASES, IODINES, AND PARTICULATES  
 : QUARTER # 3 AND QUARTER # 4

NUCLIDE	UNIT	ELEVATED RELEASES		GROUND RELEASES	
		QUARTER 3	QUARTER 4	QUARTER 3	QUARTER 4
		HOURS	HOURS	HOURS	HOURS
		4345-6552	6553-8760	4345-6552	6553-8760

## PARTICULATES

II-3	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
C-14	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NA-24	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
P-32	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CR-51	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
MN-54	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
MN-56	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
FE-55	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
FE-59	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CO-58	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CO-60	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NI-63	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NI-65	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CU-64	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ZN-65	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ZN-69	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BR-83	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BR-84	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BR-85	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RB-86	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RB-88	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RB-89	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SR-89	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SR-91	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SR-92	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
Y-90	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
Y-91M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
Y-91	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01

NOTE: Zero curies indicates activity was not detected, per Table A4.



REPORT CATEGORY : SEMIANNUAL AIRBORNE CONTINUOUS ELEVATED AND GROUND  
 TYPE OF ACTIVITY : LEVEL RELEASES. TOTALS FOR EACH NUCLIDE RELEASED.  
 REPORTING PERIOD : FISSION GASES, IODINES, AND PARTICULATES  
 : QUARTER # 3 AND QUARTER # 4

NUCLIDE	UNIT	ELEVATED RELEASES		GROUND RELEASES	
		QUARTER 3	QUARTER 4	QUARTER 3	QUARTER 4
		HOURS	HOURS	HOURS	HOURS
		4345-6552	6553-8760	4345-6552	6553-8760

## PARTICULATES CONTINUED

Y-92	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
Y-93	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ZR-95	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ZR-97	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NB-95	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
MO-99	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TC-99M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TC-101	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RU-103	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RU-105	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RU-106	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
AG-110M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-125M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-127M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-127	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-129M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-129	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-131M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-131	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-132	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-130	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-131	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-132	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-133	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-134	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-135	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CS-134	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CS-136	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01

NOTE: Zero curies indicates activity was not detected, per Table A4.

REPORT CATEGORY : SEMIANNUAL AIRBORNE CONTINUOUS ELEVATED AND GROUND  
 TYPE OF ACTIVITY : LEVEL RELEASES, TOTALS FOR EACH NUCLIDE RELEASED.  
 REPORTING PERIOD : FISSION GASES, IODINES, AND PARTICULATES  
 : QUARTER # 3 AND QUARTER # 4

NUCLIDE	UNIT	ELEVATED RELEASES		GROUND RELEASES	
		QUARTER 3 HOURS 4345-6552	QUARTER 4 HOURS 6553-8760	QUARTER 3 HOURS 4345-6552	QUARTER 4 HOURS 6553-8760

## PARTICULATES CONTINUED

CS-137	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CS-138	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BA-139	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BA-140	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BA-141	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BA-142	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
LA-140	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
LA-142	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CE-141	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CE-143	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CE-144	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
PR-143	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
PR-144	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ND-147	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
W-187	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NP-239	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SR-90	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
G ALPHA	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TOTAL FOR PERIOD	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01

NOTE: Zero curies indicates activity was not detected, per Table A4.

REPORT CATEGORY : SEMIANNUAL SUMMATION OF ALL RELEASES BY QUARTER  
 TYPE OF ACTIVITY : ALL LIQUID EFFLUENTS  
 REPORTING PERIOD : QUARTER # 3 AND QUARTER # 4

	UNIT	QUARTER 3	QUARTER 4
TYPE OF EFFLUENT		HOURS	HOURS
		4345-6552	6553-8760

#### A. FISSION AND ACTIVATION PRODUCTS

1. TOTAL RELEASE (NOT INCLUDING TRITIUM, GASES, ALPHA)	CURIES	0.00E-01	4.75E-05
2. AVERAGE DILUTED CONCENTRATION DURING PERIOD	UCI/ML	0.00E-01	2.85E-10
3. PERCENT OF APPLICABLE LIMIT	%	0.00E-01	NA

#### B. TRITIUM

1. TOTAL RELEASE	CURIES	0.00E-01	9.91E-03
2. AVERAGE DILUTED CONCENTRATION DURING PERIOD	UCI/ML	0.00E-01	6.26E-08
3. PERCENT OF APPLICABLE LIMIT	%	0.00E-01	2.09E-05

#### C. DISSOLVED AND ENTRAINED GASES

1. TOTAL RELEASE	CURIES	0.00E-01	0.00E-01
2. AVERAGE DILUTED CONCENTRATION DURING PERIOD	UCI/ML	0.00E-01	0.00E-01
3. PERCENT OF APPLICABLE LIMIT	%	0.00E-01	0.00E-01

#### D. GROSS ALPHA RADIOACTIVITY

1. TOTAL RELEASE	CURIES	0.00E-01	0.00E-01
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E. WASTE VOL RELEASED (PRE-DILUTION)	GAL	0.00E-01	4.11E 05
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F. VOLUME OF DILUTION WATER USED	GAL	0.00E-01	1.33E 08
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NOTE: Zero curies indicates activity was not detected, per Table A4.

NOTE: Disregard "% of applicable limit" in line A.3. No limit applies.

REPORT CATEGORY : SEMIANNUAL LIQUID CONTINUOUS AND BATCH RELEASES  
 TYPE OF ACTIVITY : TOTALS FOR EACH NUCLIDE RELEASED.  
 REPORTING PERIOD : ALL RADIONUCLIDES  
 : QUARTER # 3 AND QUARTER # 4

NUCLIDE	UNIT	CONTINUOUS RELEASES		BATCH RELEASES	
		QUARTER 3 HOURS	QUARTER 4 HOURS	QUARTER 3 HOURS	QUARTER 4 HOURS
		4345-6552	6553-8760	4345-6552	6553-8760

## ALL NUCLIDES

H-3	CURIES	0.00E-01	0.00E-01	0.00E-01	9.91E-03
C-14	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NA-24	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
P-32	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CR-51	CURIES	0.00E-01	0.00E-01	0.00E-01	1.88E-05
MN-54	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
MN-56	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
FE-55	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
FE-59	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CO-58	CURIES	0.00E-01	0.00E-01	0.00E-01	2.87E-05
CO-60	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NI-63	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NI-65	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CU-64	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ZN-65	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ZN-69	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BR-83	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BR-84	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BR-85	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RB-86	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RD-88	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RB-89	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SR-89	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SR-91	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SR-92	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
Y-90	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
Y-91M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
Y-91	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01

NOTE: Measurement of P-32 and C-14 is not required per Table A4.

NOTE: Zero curies indicates activity was not detected, per Table A4.

REPORT CATEGORY : SEMIANNUAL LIQUID CONTINUOUS AND BATCH RELEASES  
 : TOTALS FOR EACH NUCLIDE RELEASED.  
 TYPE OF ACTIVITY : ALL RADIONUCLIDES  
 REPORTING PERIOD : QUARTER # 3 AND QUARTER # 4

		CONTINUOUS RELEASES		BATCH RELEASES	
NUCLIDE	UNIT	QUARTER 3 HOURS 4345-6552	QUARTER 4 HOURS 6553-8760	QUARTER 3 HOURS 4345-6552	QUARTER 4 HOURS 6553-8760

## ALL NUCLIDES CONTINUED

Y-92	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
Y-93	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ZR-95	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ZR-97	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NB-95	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
MO-99	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TC-99M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TC-101	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RU-103	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RU-105	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
RU-106	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
AG-110M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-125M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-127M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-127	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-129M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-129	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-131M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-131	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TE-132	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-130	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-131	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-132	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-133	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-134	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
I-135	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CS-134	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CS-136	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01

NOTE: Zero curies indicates activity was not detected, per Table A4.

REPORT CATEGORY : SEMIANNUAL LIQUID CONTINUOUS AND BATCH RELEASES  
 : TOTALS FOR EACH NUCLIDE RELEASED.  
 TYPE OF ACTIVITY : ALL RADIONUCLIDES  
 REPORTING PERIOD : QUARTER # 3 AND QUARTER # 4

NUCLIDE	CONTINUOUS RELEASES		BATCH RELEASES		
	UNIT	QUARTER 3	QUARTER 4	QUARTER 3	QUARTER 4
		HOURS	HOURS	HOURS	HOURS
		4345-6552	6553-8760	4345-6552	6553-8760

## ALL NUCLIDES CONTINUED

CS-137	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CS-138	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BA-139	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BA-140	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BA-141	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
BA-142	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
LA-140	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
LA-142	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CE-141	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CE-143	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
CE-144	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
PR-143	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
PR-144	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ND-147	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
W-187	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NP-239	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-83M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-85M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-85	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-87	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-88	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-89	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
KR-90	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-131M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-133M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-133	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-135M	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-135	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01

NOTE: Zero curies indicates activity was not detected, per Table A4.

REPORT CATEGORY : SEMIANNUAL LIQUID CONTINUOUS AND BATCH RELEASES  
 TYPE OF ACTIVITY : TOTALS FOR EACH NUCLIDE RELEASED,  
 REPORTING PERIOD : ALL RADIONUCLIDES  
 : QUARTER # 3 AND QUARTER # 4

NUCLIDE	UNIT	CONTINUOUS RELEASES		BATCH RELEASES	
		QUARTER 3	QUARTER 4	QUARTER 3	QUARTER 4
		HOURS	HOURS	HOURS	HOURS
		4345-6552	6553-8760	4345-6552	6553-8760

## ALL NUCLIDES CONTINUED

XE-137	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
XE-138	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
AR-41	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SR-90	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
G ALPHA	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
OTHER	CURIES	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TOTAL FOR PERIOD	CURIES	0.00E-01	0.00E-01	0.00E-01	9.96E-03

NOTE: Zero curies indicates activity was not detected, per Table A4.

TABLE D1.1

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

## A. SOLID WASTE SHIPPED OFFSITE FOR BURIAL OR DISPOSAL (Not irradiated fuel)

1. Type of Waste	Unit	6-Month Period	Est. Total Error, %
a. Spent resins, filter sludges, evaporator bottoms, etc.	m Ci	1.09E2 3.36E0	15
b. Dry compressible waste, Contaminated equip, etc.	m Ci	1.5E0 3.53E-2	20
c. Irradiated components, control rods, etc.	m Ci	0 0	NA
d. Other (describe)	m Ci	0 0	NA

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

a.	Cr-51	39.9%
	Co-58	47.8
	Co-60	8.1
	Mn-54	2.2
	all others each	<1.0
b.	Cr-51	73.0
	Co-58	22.1
	Co-60	1.6
	Mn-54	0.8
	C-14	2.5
	all others each	<0.1

## 3. Solid Waste Disposition

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
11	Common Carrier (Flatbed)	Barnwell, SC

## B. IRRADIATED FUEL SHIPMENTS (Disposition)

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
None	NA	NA



-----  
 DETROIT EDISON COMPANY  
 FERMI 2  
 1986: 2: 5:13:26:11  
 LIQUID RADIOACTIVE WASTE DATA FILE  
 CUMULATIVE DOSE DATA  
 -----

\*\* UNIT 2 \*\* QUARTER 1 OF 1985 \*\*

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	0.0000E-01
TOTAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
TOTAL DOSE (MREM) FOR THYROID	:	0.0000E-01
TOTAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
TOTAL DOSE (MREM) FOR LUNG	:	0.0000E-01
TOTAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01

\*\* UNIT 2 \*\* QUARTER 2 OF 1985 \*\*

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	0.0000E-01
TOTAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
TOTAL DOSE (MREM) FOR THYROID	:	0.0000E-01
TOTAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
TOTAL DOSE (MREM) FOR LUNG	:	0.0000E-01
TOTAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01

\*\* UNIT 2 \*\* QUARTER 3 OF 1985 \*\*

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	0.0000E-01
TOTAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
TOTAL DOSE (MREM) FOR THYROID	:	0.0000E-01
TOTAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
TOTAL DOSE (MREM) FOR LUNG	:	0.0000E-01
TOTAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01

\*\* UNIT 2 \*\* QUARTER 4 OF 1985 \*\*

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	1.6359E-07
TOTAL DOSE (MREM) FOR TOTAL BODY	:	2.5367E-07
TOTAL DOSE (MREM) FOR THYROID	:	9.1902E-08
TOTAL DOSE (MREM) FOR KIDNEY	:	9.1670E-08
TOTAL DOSE (MREM) FOR LUNG	:	9.2349E-08
TOTAL DOSE (MREM) FOR GI-LLI	:	1.7064E-06

\*\* UNIT 2 \*\* TOTALS FOR 1985 \*\*

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	1.6359E-07
TOTAL DOSE (MREM) FOR TOTAL BODY	:	2.5367E-07
TOTAL DOSE (MREM) FOR THYROID	:	9.1902E-08
TOTAL DOSE (MREM) FOR KIDNEY	:	9.1670E-08
TOTAL DOSE (MREM) FOR LUNG	:	9.2349E-08
TOTAL DOSE (MREM) FOR GI-LLI	:	1.7064E-06

\*\* UNIT 2 \*\* ANTICIPATED DOSE FOR 31 DAY PERIOD \*\*

ADDITIONAL DOSE (MREM) FOR BONE	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR LIVER	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR THYROID	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR LUNG	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01

-----  
 DETROIT EDISON COMPANY  
 FERMI 2  
 1986: 2: 5:15:31:35  
 GASEOUS RADIOACTIVE WASTE DATA FILE  
 CUMULATIVE DOSE DATA  
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\*\* UNIT 2 \*\* QUARTER 1 OF 1985 \*\*

DOSE FROM RADIOIODINES, PARTICULATES, AND TRITIUM  
 AT CONTROLLING LOCATION:

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	0.0000E-01
TOTAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
TOTAL DOSE (MREM) FOR THYROID	:	0.0000E-01
TOTAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
TOTAL DOSE (MREM) FOR LUNG	:	0.0000E-01
TOTAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01
NOBLE GAS DOSE AT SITE BOUNDARY:		
TOTAL BODY DOSE TOTAL (MREM)	:	0.0000E-01
SKIN DOSE TOTAL (MREM)	:	0.0000E-01
NOBLE GAS AIRDOSE AT SITE BOUNDARY:		
TOTAL GAMMA AIRDOSE (MRAD)	:	0.0000E-01
TOTAL BETA AIRDOSE (MRAD)	:	0.0000E-01

\*\* UNIT 2 \*\* QUARTER 2 OF 1985 \*\*

DOSE FROM RADIOIODINES, PARTICULATES, AND TRITIUM  
 AT CONTROLLING LOCATION:

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	0.0000E-01
TOTAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
TOTAL DOSE (MREM) FOR THYROID	:	0.0000E-01
TOTAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
TOTAL DOSE (MREM) FOR LUNG	:	0.0000E-01
TOTAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01
NOBLE GAS DOSE AT SITE BOUNDARY:		
TOTAL BODY DOSE TOTAL (MREM)	:	0.0000E-01
SKIN DOSE TOTAL (MREM)	:	0.0000E-01
NOBLE GAS AIRDOSE AT SITE BOUNDARY:		
TOTAL GAMMA AIRDOSE (MRAD)	:	0.0000E-01
TOTAL BETA AIRDOSE (MRAD)	:	0.0000E-01

\*\* UNIT 2 \*\* QUARTER 3 OF 1985 \*\*

DOSE FROM RADIOIODINES, PARTICULATES, AND TRITIUM  
 AT CONTROLLING LOCATION:

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	0.0000E-01
TOTAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
TOTAL DOSE (MREM) FOR THYROID	:	0.0000E-01
TOTAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
TOTAL DOSE (MREM) FOR LUNG	:	0.0000E-01
TOTAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01
NOBLE GAS DOSE AT SITE BOUNDARY:		
TOTAL BODY DOSE TOTAL (MREM)	:	0.0000E-01
SKIN DOSE TOTAL (MREM)	:	0.0000E-01
NOBLE GAS AIRDOSE AT SITE BOUNDARY:		
TOTAL GAMMA AIRDOSE (MRAD)	:	0.0000E-01
TOTAL BETA AIRDOSE (MRAD)	:	0.0000E-01

**\*\* UNIT 2 \*\* QUARTER 4 OF 1985 \*\***

**DOSE FROM RADIOIODINES, PARTICULATES, AND TRITIUM**

**AT CONTROLLING LOCATION:**

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	0.0000E-01
TOTAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
TOTAL DOSE (MREM) FOR THYROID	:	0.0000E-01
TOTAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
TOTAL DOSE (MREM) FOR LUNG	:	0.0000E-01
TOTAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01
<b>NOBLE GAS DOSE AT SITE BOUNDARY:</b>		
TOTAL BODY DOSE TOTAL (MREM)	:	0.0000E-01
SKIN DOSE TOTAL (MREM)	:	0.0000E-01
<b>NOBLE GAS AIRDOSE AT SITE BOUNDARY:</b>		
TOTAL GAMMA AIRDOSE (MRAD)	:	0.0000E-01
TOTAL BETA AIRDOSE (MRAD)	:	0.0000E-01

**\*\* UNIT 2 \*\* TOTALS FOR 1985 \*\***

**DOSE FROM RADIOIODINES, PARTICULATES, AND TRITIUM**

**AT CONTROLLING LOCATION:**

TOTAL DOSE (MREM) FOR BONE	:	0.0000E-01
TOTAL DOSE (MREM) FOR LIVER	:	0.0000E-01
TOTAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
TOTAL DOSE (MREM) FOR THYROID	:	0.0000E-01
TOTAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
TOTAL DOSE (MREM) FOR LUNG	:	0.0000E-01
TOTAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01
<b>NOBLE GAS DOSE AT SITE BOUNDARY:</b>		
TOTAL BODY DOSE TOTAL (MREM)	:	0.0000E-01
SKIN DOSE TOTAL (MREM)	:	0.0000E-01
<b>NOBLE GAS AIRDOSE AT SITE BOUNDARY:</b>		
TOTAL GAMMA AIRDOSE (MRAD)	:	0.0000E-01
TOTAL BETA AIRDOSE (MRAD)	:	0.0000E-01

**\*\* UNIT 2 \*\* ANTICIPATED DOSE FOR 31 DAY PERIOD \*\***

**DOSE FROM RADIOIODINES, PARTICULATES, AND TRITIUM**

**AT CONTROLLING LOCATION:**

ADDITIONAL DOSE (MREM) FOR BONE	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR LIVER	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR TOTAL BODY	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR THYROID	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR KIDNEY	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR LUNG	:	0.0000E-01
ADDITIONAL DOSE (MREM) FOR GI-LLI	:	0.0000E-01
<b>NOBLE GAS DOSE AT SITE BOUNDARY:</b>		
ADDITIONAL TOTAL BODY DOSE (MREM)	:	0.0000E-01
ADDITIONAL SKIN DOSE (MREM)	:	0.0000E-01
<b>NOBLE GAS AIRDOSE AT SITE BOUNDARY:</b>		
ADDITIONAL GAMMA AIRDOSE (MRAD)	:	0.0000E-01
ADDITIONAL BETA AIRDOSE (MRAD)	:	0.0000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : A  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
ENE	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
E	0.00E-01	1.00E 00	3.00E 00	2.00E 00	0.00E-01	0.00E-01	6.00E 00
ESE	0.00E-01	0.00E-01	0.00E-01	4.00E 00	0.00E-01	0.00E-01	4.00E 00
SE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
S	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
SSW	0.00E-01	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	2.00E 00
SW	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
WSW	0.00E-01	2.00E 00	6.00E 00	1.00E 00	0.00E-01	0.00E-01	9.00E 00
W	0.00E-01	0.00E-01	6.00E 00	2.00E 00	0.00E-01	0.00E-01	8.00E 00
W77	0.00E-01	2.00E 00	1.20E 01	2.00E 00	0.00E-01	0.00E-01	1.60E 01
W7	0.00E-01	2.00E 00	1.10E 01	2.00E 00	0.00E-01	0.00E-01	1.50E 01
WN7	0.00E-01	4.00E 00	8.00E 00	4.00E 00	0.00E-01	0.00E-01	1.60E 01
TOT	0.00E-01	1.20E 01	5.20E 01	1.90E 01	0.00E-01	0.00E-01	8.30E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : B  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	2.00E 00:
NNE	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00:
NE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
ENE	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00:
E	0.00E-01	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	2.00E 00:
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
SE	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00:
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
S	0.00E-01	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	1.00E 00:
SSW	0.00E-01	1.00E 00	6.00E 00	1.00E 00	0.00E-01	0.00E-01	8.00E 00:
SW	0.00E-01	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
WSW	0.00E-01	0.00E-01	6.00E 00	1.00E 00	0.00E-01	0.00E-01	7.00E 00:
W	0.00E-01	3.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	9.00E 00:
WNW	0.00E-01	1.00E 00	4.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00:
W	0.00E-01	0.00E-01	9.00E 00	0.00E-01	0.00E-01	0.00E-01	9.00E 00:
NNW	0.00E-01	1.00E 00	8.00E 00	2.00E 00	0.00E-01	0.00E-01	1.10E 01:
TOT	0.00E-01	1.00E 01	4.60E 01	8.00E 00	0.00E-01	0.00E-01	6.40E 01:

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : C  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	3.00E 00
ENE	0.00E-01	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	3.00E 00
E	0.00E-01	0.00E-01	3.00E 00	2.00E 00	0.00E-01	0.00E-01	5.00E 00
ESE	0.00E-01	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	3.00E 00
SE	0.00E-01	1.00E 00	4.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
SSE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
S	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
SSW	0.00E-01	1.00E 00	3.00E 00	1.00E 00	0.00E-01	0.00E-01	5.00E 00
SW	2.00E 00	1.00E 00	4.00E 00	1.00E 00	0.00E-01	0.00E-01	8.00E 00
WSW	0.00E-01	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	4.00E 00
W	0.00E-01	6.00E 00	8.00E 00	2.00E 00	0.00E-01	0.00E-01	1.60E 01
WNW	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
WW	0.00E-01	9.00E 00	1.00E 00	0.00E-01	2.00E 00	0.00E-01	1.20E 01
WNW	0.00E-01	2.00E 00	6.00E 00	1.00E 00	0.00E-01	0.00E-01	9.00E 00
TOT	2.00E 00	2.20E 01	4.10E 01	1.30E 01	2.00E 00	0.00E-01	8.00E 01

PERIODS OF CALM(HOURS): 0.0000E-01  
 HOURS OF INVALID DATA : 0.0000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : D  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 00	6.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	1.20E 01
NNE	0.00E-01	2.00E 00	4.00E 00	2.00E 00	0.00E-01	0.00E-01	8.00E 00
NE	0.00E-01	5.00E 00	1.50E 01	1.80E 01	0.00E-01	0.00E-01	3.80E 01
ENE	1.00E 00	4.00E 00	4.30E 01	1.30E 01	9.00E 00	0.00E-01	7.00E 01
E	0.00E-01	4.00E 00	1.00E 01	4.00E 00	1.00E 00	0.00E-01	1.90E 01
ESE	0.00E-01	2.00E 00	5.00E 00	2.00E 00	2.00E 00	0.00E-01	1.10E 01
SE	2.00E 00	5.00E 00	5.00E 00	3.00E 00	0.00E-01	0.00E-01	1.50E 01
SSE	0.00E-01	1.50E 01	1.10E 01	5.00E 00	0.00E-01	0.00E-01	3.10E 01
S	0.00E-01	1.50E 01	1.70E 01	2.00E 00	0.00E-01	0.00E-01	3.40E 01
SSW	0.00E-01	1.40E 01	2.90E 01	5.00E 00	0.00E-01	0.00E-01	4.80E 01
SW	6.00E 00	1.10E 01	2.90E 01	1.80E 01	1.00E 00	0.00E-01	6.50E 01
WSW	3.00E 00	9.00E 00	5.30E 01	3.70E 01	0.00E-01	0.00E-01	1.02E 02
W	3.00E 00	1.00E 01	2.10E 01	1.50E 01	4.00E 00	1.00E 00	5.40E 01
WNW	3.00E 00	1.00E 01	2.50E 01	1.00E 01	1.00E 00	2.00E 00	5.10E 01
W	1.00E 00	1.50E 01	1.50E 01	2.10E 01	5.00E 00	0.00E-01	5.70E 01
WNW	0.00E-01	1.80E 01	2.50E 01	3.00E 00	0.00E-01	0.00E-01	4.60E 01
TOT	2.00E 01	1.45E 02	3.12E 02	1.58E 02	2.30E 01	3.00E 00	6.61E 02

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : E  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
NNE	1.00E 00	2.00E 00	1.00E 00	4.00E 00	0.00E-01	0.00E-01	8.00E 00:
NE	0.00E-01	2.00E 00	2.00E 00	2.00E 00	1.00E 00	0.00E-01	7.00E 00:
ENE	0.00E-01	4.00E 00	9.00E 00	1.00E 00	2.00E 00	0.00E-01	1.60E 01:
E	0.00E-01	3.00E 00	2.00E 01	3.00E 00	2.00E 00	0.00E-01	3.30E 01:
ESE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
SE	2.00E 00	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
SSE	0.00E-01	2.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00:
S	3.00E 00	3.00E 00	3.00E 00	0.00E-01	1.00E 00	1.00E 00	1.10E 01:
SSW	6.00E 00	6.00E 00	2.00E 01	2.00E 00	0.00E-01	5.00E 00	4.70E 01:
SW	5.00E 00	2.30E 01	2.40E 01	3.00E 00	0.00E-01	3.00E 00	5.80E 01:
WSW	4.00E 00	2.90E 01	2.20E 01	1.00E 00	1.00E 00	3.00E 00	6.00E 01:
W	6.00E 00	2.90E 01	2.50E 01	1.00E 00	0.00E-01	1.00E 00	6.20E 01:
WNW	5.00E 00	2.10E 01	1.50E 01	2.00E 00	0.00E-01	9.00E 00	5.20E 01:
NW	6.00E 00	2.40E 01	5.00E 00	7.00E 00	0.00E-01	0.00E-01	4.20E 01:
NNW	5.00E 00	6.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.20E 01:
TOT	4.30E 01	1.65E 02	1.59E 02	2.60E 01	7.00E 00	2.20E 01	4.22E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01



REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : F  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	4.00E 00	2.00E 00	0.00E-01	0.00E-01	6.00E 00
ENE	0.00E-01	1.00E 00	5.00E 00	1.00E 00	1.00E 00	0.00E-01	8.00E 00
E	0.00E-01	0.00E-01	1.40E 01	3.00E 00	2.00E 00	0.00E-01	1.90E 01
ESE	1.00E 00	1.00E 00	2.00E 00	1.00E 00	0.00E-01	0.00E-01	5.00E 00
SE	3.00E 00	2.00E 00	6.00E 00	1.00E 00	0.00E-01	0.00E-01	1.20E 01
SSE	1.00E 00	2.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
S	1.00E 00	5.00E 00	2.00E 00	2.00E 00	0.00E-01	2.00E 00	1.20E 01
SSW	1.00E 00	8.00E 00	2.20E 01	1.00E 00	0.00E-01	7.00E 00	3.90E 01
SW	2.00E 00	6.00E 00	8.00E 00	6.00E 00	0.00E-01	2.00E 00	2.40E 01
WSW	4.00E 00	1.30E 01	7.00E 00	0.00E-01	0.00E-01	1.00E 00	2.50E 01
W	9.00E 00	1.60E 01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.70E 01
WNW	4.00E 00	1.90E 01	2.00E 00	0.00E-01	0.00E-01	2.00E 00	2.70E 01
WV	1.00E 00	3.00E 00	0.00E-01	1.00E 00	0.00E-01	0.00E-01	5.00E 00
NWV	3.00E 00	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	4.00E 00
TOT	3.10E 01	7.60E 01	7.60E 01	1.90E 01	3.00E 00	1.40E 01	2.19E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : G  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	4.00E 00:
NNE	0.00E-01	0.00E-01	3.00E 00	2.00E 00	0.00E-01	1.00E 00	6.00E 00:
NE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
ENE	0.00E-01	0.00E-01	3.00E 00	2.00E 00	2.00E 00	1.00E 00	8.00E 00:
E	1.00E 00	0.00E-01	5.00E 00	0.00E-01	1.00E 00	1.00E 00	8.00E 00:
ESE	0.00E-01	0.00E-01	0.00E-01	6.00E 00	2.00E 00	1.00E 00	9.00E 00:
SE	0.00E-01	4.00E 00	1.00E 00	5.00E 00	1.00E 00	0.00E-01	1.10E 01:
SSE	2.00E 00	3.00E 00	0.00E-01	0.00E-01	3.00E 00	3.00E 00	1.10E 01:
S	0.00E-01	3.00E 00	2.00E 00	0.00E-01	0.00E-01	5.00E 00	1.00E 01:
SSW	1.00E 00	8.00E 00	5.00E 00	0.00E-01	0.00E-01	2.10E 01	3.50E 01:
SW	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	1.00E 01	1.40E 01:
WSW	1.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	7.00E 00:
W	6.00E 00	8.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00	1.50E 01:
WNW	2.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	5.00E 00:
NW	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
NNW	1.00E 00	0.00E-01	1.00E 00	7.00E 00	0.00E-01	0.00E-01	9.00E 00:
TOT	1.40E 01	3.80E 01	2.50E 01	2.40E 01	9.00E 00	4.40E 01	1.54E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 1.683E 03 = 77.9% OF TOTAL HOURS

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : A  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
ENE	0.00E-01	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	4.00E 00
E	0.00E-01	1.00E 00	0.00E-01	6.00E 00	1.00E 00	0.00E-01	8.00E 00
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
S	0.00E-01	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	2.00E 00
SSW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00	2.00E 00
SW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00	0.00E-01	1.00E 00
WSW	0.00E-01	0.00E-01	5.00E 00	6.00E 00	1.00E 00	0.00E-01	1.20E 01
W	0.00E-01	0.00E-01	2.00E 00	7.00E 00	4.00E 00	0.00E-01	1.30E 01
WNW	0.00E-01	0.00E-01	7.00E 00	6.00E 00	1.00E 00	0.00E-01	1.40E 01
NW	0.00E-01	3.00E 00	6.00E 00	9.00E 00	1.00E 00	0.00E-01	1.90E 01
NNW	0.00E-01	0.00E-01	0.00E-01	7.00E 00	0.00E-01	0.00E-01	7.00E 00
TOT	0.00E-01	4.00E 00	2.30E 01	4.50E 01	9.00E 00	2.00E 00	8.30E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : B  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
NNE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
NE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
ENE	0.00E-01	0.00E-01	0.00E-01	4.00E 00	0.00E-01	0.00E-01	4.00E 00:
E	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
ESE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
SE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
S	0.00E-01	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	1.00E 00:
SSW	0.00E-01	1.00E 00	1.00E 00	1.00E 00	4.00E 00	1.00E 00	8.00E 00:
SW	0.00E-01	1.00E 00	0.00E-01	2.00E 00	2.00E 00	0.00E-01	5.00E 00:
WSW	0.00E-01	0.00E-01	1.00E 00	0.00E-01	6.00E 00	0.00E-01	7.00E 00:
W	0.00E-01	1.00E 00	1.00E 00	5.00E 00	3.00E 00	0.00E-01	1.00E 01:
WNW	0.00E-01	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	4.00E 00:
WV	0.00E-01	0.00E-01	6.00E 00	7.00E 00	0.00E-01	0.00E-01	1.30E 01:
NNW	0.00E-01	1.00E 00	1.00E 00	4.00E 00	2.00E 00	0.00E-01	8.00E 00:
TOT	0.00E-01	7.00E 00	1.40E 01	2.50E 01	1.70E 01	1.00E 00	6.40E 01:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : C  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	0.00E-01	3.00E 00	0.00E-01	0.00E-01	3.00E 00
ENE	0.00E-01	0.00E-01	0.00E-01	3.00E 00	1.00E 00	0.00E-01	4.00E 00
E	0.00E-01	0.00E-01	3.00E 00	0.00E-01	1.00E 00	1.00E 00	5.00E 00
ESE	0.00E-01	0.00E-01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
SE	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
SSE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
S	0.00E-01	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	3.00E 00
SSW	0.00E-01	1.00E 00	1.00E 00	0.00E-01	1.00E 00	1.00E 00	4.00E 00
SW	0.00E-01	2.00E 00	3.00E 00	0.00E-01	2.00E 00	1.00E 00	8.00E 00
WSW	0.00E-01	2.00E 00	1.00E 00	2.00E 00	1.00E 00	3.00E 00	9.00E 00
W	0.00E-01	1.00E 00	4.00E 00	4.00E 00	4.00E 00	0.00E-01	1.30E 01
WNW	0.00E-01	2.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
WV	0.00E-01	1.00E 00	7.00E 00	1.00E 00	0.00E-01	2.00E 00	1.10E 01
NW	0.00E-01	1.00E 00	2.00E 00	4.00E 00	0.00E-01	0.00E-01	7.00E 00
TOT	0.00E-01	1.10E 01	3.20E 01	1.90E 01	1.00E 01	8.00E 00	8.00E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : D  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	4.00E 00	0.00E-01	2.00E 00	0.00E-01	0.00E-01	6.00E 00:
NNE	0.00E-01	0.00E-01	7.00E 00	3.00E 00	6.00E 00	0.00E-01	1.60E 01:
NE	0.00E-01	1.00E 00	4.00E 00	1.10E 01	9.00E 00	0.00E-01	2.50E 01:
ENE	0.00E-01	1.00E 00	2.60E 01	3.50E 01	7.00E 00	1.50E 01	8.40E 01:
E	0.00E-01	1.00E 00	4.00E 00	6.00E 00	0.00E-01	4.00E 00	1.50E 01:
ESE	1.00E 00	2.00E 00	1.00E 00	4.00E 00	2.00E 00	0.00E-01	1.00E 01:
SE	1.00E 00	4.00E 00	4.00E 00	9.00E 00	1.00E 00	0.00E-01	1.00E 01:
SSE	0.00E-01	1.00E 01	1.50E 01	2.00E 00	0.00E-01	0.00E-01	2.70E 01:
S	0.00E-01	1.00E 01	9.00E 00	1.30E 01	1.00E 00	0.00E-01	3.30E 01:
SSW	0.00E-01	6.00E 00	6.00E 00	1.70E 01	1.20E 01	7.00E 00	4.80E 01:
SW	0.00E-01	2.00E 00	8.00E 00	1.50E 01	2.60E 01	2.00E 01	7.10E 01:
WSW	2.00E 00	1.00E 00	7.00E 00	3.30E 01	2.70E 01	3.20E 01	1.02E 02:
W	1.00E 00	7.00E 00	3.00E 00	2.20E 01	1.70E 01	1.40E 01	6.40E 01:
WNW	1.00E 00	3.00E 00	1.10E 01	1.40E 01	7.00E 00	1.80E 01	5.40E 01:
NW	0.00E-01	3.00E 00	1.20E 01	1.90E 01	6.00E 00	8.00E 00	4.80E 01:
NNW	1.00E 00	3.00E 00	2.10E 01	1.20E 01	2.00E 00	0.00E-01	3.90E 01:
TOT	7.00E 00	5.80E 01	1.38E 02	2.17E 02	1.23E 02	1.18E 02	6.61E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

Table 1.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : E  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00:
NNE	0.00E-01	3.00E 00	4.00E 00	2.00E 00	2.00E 00	1.00E 00	1.20E 01:
NE	1.00E 00	0.00E-01	2.00E 00	4.00E 00	0.00E-01	0.00E-01	7.00E 00:
ENE	0.00E-01	1.00E 00	5.00E 00	1.70E 01	1.00E 00	4.00E 00	2.80E 01:
E	0.00E-01	1.00E 00	1.00E 00	1.20E 01	4.00E 00	0.00E-01	1.30E 01:
ESE	0.00E-01	1.00E 00	0.00E-01	1.00E 00	0.00E-01	0.00E-01	2.00E 00:
SE	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00:
SSE	1.00E 00	4.00E 00	3.00E 00	1.00E 00	0.00E-01	0.00E-01	9.00E 00:
S	0.00E-01	1.00E 00	3.00E 00	3.00E 00	0.00E-01	0.00E-01	7.00E 00:
SSW	1.00E 00	4.00E 00	3.00E 00	5.00E 00	1.60E 01	7.00E 00	3.60E 01:
SW	3.00E 00	2.00E 00	1.20E 01	2.60E 01	1.70E 01	4.00E 00	6.40E 01:
WSW	1.00E 00	3.00E 00	1.80E 01	4.20E 01	9.00E 00	3.00E 00	7.60E 01:
W	3.00E 00	2.00E 00	1.10E 01	3.50E 01	1.20E 01	0.00E-01	6.30E 01:
WNW	1.00E 00	6.00E 00	8.00E 00	1.70E 01	1.00E 01	1.00E 00	4.30E 01:
NW	0.00E-01	5.00E 00	1.80E 01	1.00E 01	5.00E 00	2.00E 00	4.00E 01:
NNW	0.00E-01	1.00E 00	9.00E 00	1.00E 00	0.00E-01	0.00E-01	1.10E 01:
TOT	1.20E 01	3.80E 01	9.80E 01	1.76E 02	7.60E 01	2.20E 01	4.22E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : F  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
NNE	0.00E-01	1.00E 00	0.00E-01	1.00E 00	0.00E-01	0.00E-01	2.00E 00:
NE	1.00E 00	0.00E-01	0.00E-01	2.00E 00	1.00E 00	0.00E-01	4.00E 00:
ENE	0.00E-01	0.00E-01	5.00E 00	3.00E 00	1.00E 00	2.00E 00	1.10E 01:
E	0.00E-01	0.00E-01	2.00E 00	1.10E 01	1.00E 00	4.00E 00	1.80E 01:
ESE	0.00E-01	1.00E 00	0.00E-01	3.00E 00	1.00E 00	1.00E 00	6.00E 00:
SE	0.00E-01	2.00E 00	0.00E-01	5.00E 00	0.00E-01	1.00E 00	8.00E 00:
SSE	0.00E-01	0.00E-01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
S	0.00E-01	0.00E-01	1.00E 00	3.00E 00	2.00E 00	3.00E 00	9.00E 00:
SSW	2.00E 00	1.00E 00	4.00E 00	6.00E 00	1.60E 01	1.10E 01	4.00E 01:
SW	1.00E 00	2.00E 00	1.00E 00	1.00E 01	1.10E 01	6.00E 00	3.10E 01:
WSW	1.00E 00	1.00E 00	6.00E 00	1.20E 01	4.00E 00	1.00E 00	2.50E 01:
W	0.00E-01	2.00E 00	5.00E 00	1.70E 01	1.00E 00	0.00E-01	2.50E 01:
WNW	1.00E 00	0.00E-01	1.10E 01	1.60E 01	2.00E 00	0.00E-01	3.00E 01:
NW	0.00E-01	0.00E-01	0.00E-01	1.00E 00	2.00E 00	0.00E-01	3.00E 00:
NNW	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00:
TOT	6.00E 00	1.10E 01	4.10E 01	9.00E 01	4.20E 01	2.90E 01	2.19E 02:

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01



Table 1.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 1  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2159:59 HRS = 11:59PM MARCH 31, 1985  
 STABILITY CLASS : G  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	1.00E 00	0.00E-01	1.00E 00	0.00E-01	0.00E-01	2.00E 00:
NNE	0.00E-01	0.00E-01	1.00E 00	3.00E 00	1.00E 00	0.00E-01	5.00E 00:
NE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
ENE	0.00E-01	0.00E-01	0.00E-01	4.00E 00	1.00E 00	3.00E 00	8.00E 00:
E	0.00E-01	0.00E-01	1.00E 00	4.00E 00	2.00E 00	2.00E 00	9.00E 00:
ESE	0.00E-01	0.00E-01	0.00E-01	1.00E 00	3.00E 00	2.00E 00	6.00E 00:
SE	0.00E-01	0.00E-01	2.00E 00	1.00E 00	1.00E 00	4.00E 00	8.00E 00:
SSE	1.00E 00	0.00E-01	4.00E 00	2.00E 00	0.00E-01	0.00E-01	7.00E 00:
S	0.00E-01	0.00E-01	4.00E 00	4.00E 00	2.00E 00	0.00E-01	1.00E 01:
SSW	0.00E-01	2.00E 00	2.00E 00	8.00E 00	1.80E 01	3.00E 00	3.30E 01:
SW	0.00E-01	0.00E-01	0.00E-01	1.10E 01	1.10E 01	3.00E 00	2.50E 01:
WSW	0.00E-01	0.00E-01	0.00E-01	5.00E 00	0.00E-01	0.00E-01	5.00E 00:
W	0.00E-01	0.00E-01	3.00E 00	8.00E 00	1.00E 00	0.00E-01	1.20E 01:
WNW	1.00E 00	0.00E-01	5.00E 00	3.00E 00	0.00E-01	0.00E-01	9.00E 00:
NW	0.00E-01	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	2.00E 00:
NNW	0.00E-01	0.00E-01	1.00E 00	2.00E 00	8.00E 00	1.00E 00	1.20E 01:
TOT	2.00E 00	3.00E 00	2.50E 01	5.80E 01	4.80E 01	1.80E 01	1.54E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 1.683E 03 = 77.9% OF TOTAL HOURS

Table 2.1

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : A  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
NE	0.00E-01	3.00E 00	1.70E 01	1.00E 00	0.00E-01	0.00E-01	2.10E 01
NENE	0.00E-01	2.00E 00	9.00E 00	0.00E-01	0.00E-01	0.00E-01	1.10E 01
E	0.00E-01	5.00E 00	1.40E 01	0.00E-01	0.00E-01	0.00E-01	1.90E 01
ESE	0.00E-01	6.00E 00	3.00E 01	6.00E 00	0.00E-01	0.00E-01	4.20E 01
SE	0.00E-01	1.40E 01	3.10E 01	1.00E 00	0.00E-01	0.00E-01	4.50E 01
SSE	0.00E-01	0.00E-01	5.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
S	1.00E 00	3.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	6.00E 00
SSW	0.00E-01	4.00E 00	6.00E 00	5.00E 00	0.00E-01	0.00E-01	1.70E 01
SW	0.00E-01	3.00E 00	6.00E 00	4.00E 00	0.00E-01	0.00E-01	1.30E 01
WSW	0.00E-01	2.00E 00	5.00E 00	1.00E 00	0.00E-01	0.00E-01	8.00E 00
W	0.00E-01	4.00E 00	1.10E 01	1.00E 00	0.00E-01	0.00E-01	1.60E 01
WNW	0.00E-01	2.00E 00	1.30E 01	3.00E 00	4.00E 00	0.00E-01	2.20E 01
NW	0.00E-01	0.00E-01	5.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
NNW	0.00E-01	1.00E 00	4.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
TOT	1.00E 00	4.90E 01	1.63E 02	2.20E 01	4.00E 00	0.00E-01	2.39E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : B  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	1.00E 00	0.00E-01	4.00E 00	0.00E-01	0.00E-01	5.00E 00:
NNE	0.00E-01	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
NE	0.00E-01	0.00E-01	2.00E 00	3.00E 00	0.00E-01	0.00E-01	5.00E 00:
ENE	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00:
E	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00:
ESE	0.00E-01	0.00E-01	4.00E 00	2.00E 00	0.00E-01	0.00E-01	6.00E 00:
SE	0.00E-01	3.00E 00	1.20E 01	0.00E-01	0.00E-01	0.00E-01	1.50E 01:
SSE	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
S	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
SSW	1.00E 00	5.00E 00	7.00E 00	0.00E-01	0.00E-01	0.00E-01	1.30E 01:
SW	0.00E-01	1.00E 00	1.00E 00	5.00E 00	0.00E-01	0.00E-01	7.00E 00:
WSW	0.00E-01	2.00E 00	2.00E 00	1.00E 00	0.00E-01	0.00E-01	5.00E 00:
W	0.00E-01	8.00E 00	1.10E 01	1.00E 00	1.00E 00	0.00E-01	2.10E 01:
WNW	0.00E-01	6.00E 00	3.00E 00	1.00E 00	0.00E-01	0.00E-01	1.00E 01:
NW	0.00E-01	2.00E 00	4.00E 00	0.00E-01	0.00E-01	0.00E-01	6.00E 00:
NNW	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
TOT	1.00E 00	3.90E 01	5.60E 01	1.70E 01	1.00E 00	0.00E-01	1.14E 02:

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01

Table 2.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : C  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	1.00E 00	1.00E 00	1.00E 00	0.00E-01	0.00E-01	3.00E 00
NNE	1.00E 00	0.00E-01	3.00E 00	2.00E 00	0.00E-01	0.00E-01	6.00E 00
NE	0.00E-01	2.00E 00	6.00E 00	5.00E 00	0.00E-01	0.00E-01	1.30E 01
ENE	0.00E-01	3.00E 00	4.00E 00	2.00E 00	0.00E-01	0.00E-01	9.00E 00
E	0.00E-01	2.00E 00	4.00E 00	2.00E 00	0.00E-01	0.00E-01	8.00E 00
ESE	1.00E 00	1.00E 00	4.00E 00	2.00E 00	0.00E-01	0.00E-01	8.00E 00
SE	0.00E-01	3.00E 00	6.00E 00	2.00E 00	0.00E-01	0.00E-01	1.10E 01
SSE	0.00E-01	2.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	8.00E 00
S	0.00E-01	4.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	7.00E 00
SSW	0.00E-01	2.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	8.00E 00
SW	0.00E-01	0.00E-01	1.00E 00	5.00E 00	1.00E 00	0.00E-01	7.00E 00
WSW	0.00E-01	5.00E 00	6.00E 00	2.00E 00	1.00E 00	0.00E-01	1.40E 01
W	1.00E 00	4.00E 00	5.00E 00	7.00E 00	2.00E 00	0.00E-01	1.90E 01
WNW	0.00E-01	7.00E 00	2.00E 00	2.00E 00	1.00E 00	0.00E-01	1.20E 01
NW	0.00E-01	3.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
NNW	0.00E-01	3.00E 00	2.00E 00	1.00E 00	0.00E-01	0.00E-01	6.00E 00
TOT	3.00E 00	4.20E 01	6.10E 01	3.30E 01	5.00E 00	0.00E-01	1.44E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : D  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	4.00E 00	1.20E 01	5.00E 00	0.00E-01	0.00E-01	2.10E 01
NNE	1.00E 00	4.00E 00	2.00E 01	1.00E 01	0.00E-01	0.00E-01	3.50E 01
NE	0.00E-01	1.10E 01	4.10E 01	3.20E 01	1.00E 00	0.00E-01	8.50E 01
ENE	1.00E 00	1.70E 01	2.00E 01	8.00E 00	0.00E-01	0.00E-01	4.60E 01
E	0.00E-01	2.10E 01	8.00E 00	1.00E 00	0.00E-01	0.00E-01	3.00E 01
ESE	2.00E 00	9.00E 00	2.10E 01	8.00E 00	0.00E-01	0.00E-01	4.00E 01
SE	2.00E 00	2.50E 01	1.50E 01	0.00E-01	0.00E-01	0.00E-01	4.20E 01
SSE	1.00E 00	1.20E 01	2.50E 01	4.00E 00	0.00E-01	0.00E-01	4.20E 01
S	2.00E 00	1.80E 01	1.70E 01	2.00E 00	0.00E-01	0.00E-01	3.90E 01
SSW	2.00E 00	1.70E 01	4.90E 01	2.00E 00	0.00E-01	0.00E-01	7.00E 01
SW	2.00E 00	2.10E 01	1.50E 01	1.50E 01	6.00E 00	4.00E 00	6.30E 01
WSW	1.00E 00	1.90E 01	2.70E 01	2.00E 01	5.00E 00	0.00E-01	7.20E 01
W	1.00E 00	1.50E 01	2.40E 01	2.00E 00	3.00E 00	0.00E-01	4.50E 01
WNW	3.00E 00	2.10E 01	1.90E 01	1.20E 01	1.00E 00	0.00E-01	5.60E 01
NW	0.00E-01	1.40E 01	2.10E 01	2.00E 00	0.00E-01	0.00E-01	3.70E 01
NNW	0.00E-01	3.00E 00	8.00E 00	1.00E 00	0.00E-01	0.00E-01	1.20E 01
TOT	1.80E 01	2.31E 02	3.42E 02	1.24E 02	1.60E 01	4.00E 00	7.35E 02

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : E  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3.00E 00	2.00E 01	7.00E 00	2.00E 00	0.00E-01	0.00E-01	3.20E 01
NNE	0.00E-01	1.10E 01	6.00E 00	0.00E-01	0.00E-01	0.00E-01	1.70E 01
NE	1.00E 00	6.00E 00	4.00E 00	0.00E-01	0.00E-01	0.00E-01	1.10E 01
ENE	1.00E 00	7.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 01
E	0.00E-01	5.00E 00	2.00E 00	5.00E 00	0.00E-01	0.00E-01	1.20E 01
ESE	0.00E-01	7.00E 00	2.00E 00	1.00E 00	0.00E-01	0.00E-01	1.00E 01
SE	1.00E 00	8.00E 00	1.70E 01	2.00E 00	0.00E-01	0.00E-01	2.80E 01
SSE	2.00E 00	1.00E 01	8.00E 00	1.00E 00	0.00E-01	0.00E-01	2.10E 01
S	4.00E 00	3.00E 01	2.30E 01	1.00E 00	0.00E-01	0.00E-01	5.80E 01
SSW	3.00E 00	3.40E 01	4.40E 01	1.00E 00	0.00E-01	0.00E-01	8.20E 01
SW	8.00E 00	3.50E 01	2.20E 01	1.00E 00	1.00E 00	0.00E-01	6.70E 01
WSW	1.20E 01	2.90E 01	1.20E 01	0.00E-01	0.00E-01	0.00E-01	5.30E 01
W	1.10E 01	2.00E 01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	3.50E 01
WNW	1.10E 01	1.90E 01	1.10E 01	2.00E 00	2.00E 00	0.00E-01	4.50E 01
NW	3.00E 00	9.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.30E 01
NNW	2.00E 00	1.00E 01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.30E 01
TOT	6.20E 01	2.60E 02	1.66E 02	1.60E 01	3.00E 00	0.00E-01	5.07E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : F  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2.00E 00	7.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	9.00E 00:
NNE	3.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	6.00E 00:
NE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
ENE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
E	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
ESE	1.00E 00	5.00E 00	7.00E 00	0.00E-01	0.00E-01	0.00E-01	1.30E 01:
SE	3.00E 00	1.30E 01	6.00E 00	0.00E-01	0.00E-01	0.00E-01	2.20E 01:
SSE	4.00E 00	9.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	1.50E 01:
S	1.00E 00	9.00E 00	6.00E 00	2.00E 00	0.00E-01	0.00E-01	1.80E 01:
SSW	8.00E 00	1.70E 01	7.00E 00	2.00E 00	0.00E-01	0.00E-01	3.40E 01:
SW	1.00E 01	1.20E 01	1.00E 00	0.00E-01	1.00E 00	0.00E-01	2.40E 01:
WSW	1.20E 01	5.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.70E 01:
W	1.10E 01	1.20E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.30E 01:
WNW	9.00E 00	7.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.60E 01:
NW	1.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	6.00E 00:
NNW	4.00E 00	9.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.30E 01:
TOT	6.90E 01	1.13E 02	2.90E 01	4.00E 00	1.00E 00	0.00E-01	2.16E 02:

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : G  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	9.00E 00:
NNE	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
NE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
ENE	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00:
E	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00:
ESE	1.00E 00	9.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	1.50E 01:
SE	1.00E 00	3.20E 01	7.00E 00	1.00E 00	0.00E-01	0.00E-01	4.10E 01:
SSE	3.00E 00	2.00E 01	6.00E 00	1.00E 00	0.00E-01	0.00E-01	3.00E 01:
S	3.00E 00	6.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	1.20E 01:
SSW	1.40E 01	9.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.40E 01:
SW	1.00E 01	5.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.50E 01:
WSW	4.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	6.00E 00:
W	1.10E 01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.30E 01:
WNW	9.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.20E 01:
NW	3.00E 00	4.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	7.00E 00:
NNW	1.20E 01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.30E 01:
TOT	7.90E 01	1.00E 02	2.20E 01	2.00E 00	0.00E-01	0.00E-01	2.03E 02:

PERIODS OF CALM (HOURS): 1.000E 00  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 2.159E 03 = 98.9% OF TOTAL HOURS



Table 2.2

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : A  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	4.00E 00
NE	0.00E-01	0.00E-01	1.30E 01	6.00E 00	3.00E 00	0.00E-01	2.20E 01
ENE	0.00E-01	3.00E 00	1.10E 01	3.00E 00	0.00E-01	0.00E-01	1.70E 01
E	0.00E-01	4.00E 00	2.20E 01	9.00E 00	1.00E 00	0.00E-01	3.60E 01
ESE	0.00E-01	9.00E 00	2.30E 01	1.30E 01	2.00E 00	0.00E-01	4.70E 01
SE	0.00E-01	6.00E 00	1.30E 01	0.00E-01	0.00E-01	0.00E-01	1.90E 01
SSE	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
S	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
SSW	0.00E-01	3.00E 00	3.00E 00	5.00E 00	2.00E 00	7.00E 00	2.00E 01
SW	0.00E-01	3.00E 00	1.00E 00	4.00E 00	0.00E-01	3.00E 00	1.10E 01
WSW	0.00E-01	0.00E-01	4.00E 00	9.00E 00	0.00E-01	1.00E 00	1.40E 01
W	0.00E-01	1.00E 00	5.00E 00	9.00E 00	2.00E 00	3.00E 00	2.00E 01
WNW	0.00E-01	1.00E 00	2.00E 00	7.00E 00	1.00E 00	3.00E 00	1.40E 01
WW	0.00E-01	0.00E-01	4.00E 00	4.00E 00	0.00E-01	0.00E-01	8.00E 00
NNW	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
TOT	0.00E-01	3.40E 01	1.07E 02	7.00E 01	1.10E 01	1.70E 01	2.39E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

Table 2.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : B  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	1.00E 00	3.00E 00	1.00E 00	0.00E-01	5.00E 00
NE	0.00E-01	0.00E-01	2.00E 00	1.00E 00	2.00E 00	0.00E-01	5.00E 00
ENE	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
E	0.00E-01	0.00E-01	1.00E 00	1.00E 00	1.00E 00	0.00E-01	3.00E 00
ESE	0.00E-01	0.00E-01	8.00E 00	2.00E 00	0.00E-01	0.00E-01	1.00E 01
SE	0.00E-01	2.00E 00	8.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 01
SSE	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
S	0.00E-01	4.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	6.00E 00
SSW	0.00E-01	1.00E 00	2.00E 00	4.00E 00	1.00E 00	0.00E-01	8.00E 00
SW	1.00E 00	0.00E-01	3.00E 00	2.00E 00	0.00E-01	5.00E 00	1.10E 01
WSW	0.00E-01	3.00E 00	2.00E 00	2.00E 00	0.00E-01	1.00E 00	8.00E 00
W	0.00E-01	2.00E 00	7.00E 00	4.00E 00	3.00E 00	4.00E 00	2.00E 01
WNW	0.00E-01	1.00E 00	5.00E 00	7.00E 00	0.00E-01	0.00E-01	1.30E 01
NW	0.00E-01	2.00E 00	2.00E 00	1.00E 00	0.00E-01	0.00E-01	5.00E 00
NNW	0.00E-01	1.00E 00	0.00E-01	2.00E 00	2.00E 00	0.00E-01	5.00E 00
TOT	1.00E 00	1.90E 01	4.50E 01	2.90E 01	1.00E 01	1.00E 01	1.14E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : C  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 00	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
NNE	0.00E-01	0.00E-01	1.00E 00	4.00E 00	2.00E 00	0.00E-01	7.00E 00:
NE	1.00E 00	1.00E 00	5.00E 00	6.00E 00	3.00E 00	0.00E-01	1.50E 01:
ENE	0.00E-01	1.00E 00	2.00E 00	2.00E 00	0.00E-01	0.00E-01	5.00E 00:
E	0.00E-01	1.00E 00	1.00E 00	4.00E 00	2.00E 00	0.00E-01	8.00E 00:
ESE	0.00E-01	2.00E 00	5.00E 00	4.00E 00	0.00E-01	0.00E-01	1.10E 01:
SE	0.00E-01	3.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	8.00E 00:
SSE	0.00E-01	3.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	6.00E 00:
S	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00:
SSW	0.00E-01	1.00E 00	3.00E 00	6.00E 00	1.00E 00	0.00E-01	1.10E 01:
SW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00	5.00E 00	7.00E 00:
WSW	0.00E-01	2.00E 00	4.00E 00	6.00E 00	3.00E 00	4.00E 00	1.90E 01:
W	0.00E-01	3.00E 00	2.00E 00	3.00E 00	2.00E 00	9.00E 00	1.90E 01:
WNW	0.00E-01	3.00E 00	4.00E 00	0.00E-01	0.00E-01	2.00E 00	9.00E 00:
WW	0.00E-01	2.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	7.00E 00:
WNW	0.00E-01	0.00E-01	1.00E 00	1.00E 00	2.00E 00	0.00E-01	4.00E 00:
TOT	2.00E 00	2.40E 01	4.50E 01	3.60E 01	1.70E 01	2.00E 01	1.44E 02:

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : D  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
H	0.00E-01	0.00E-01	3.00E 00	8.00E 00	1.00E 00	0.00E-01	1.20E 01
NNE	0.00E-01	5.00E 00	2.00E 00	2.40E 01	1.50E 01	0.00E-01	4.60E 01
NE	0.00E-01	1.00E 01	2.00E 01	3.40E 01	1.60E 01	2.00E 00	6.20E 01
ENE	1.00E 00	6.00E 00	2.70E 01	1.20E 01	0.00E-01	0.00E-01	4.60E 01
E	1.00E 00	6.00E 00	1.40E 01	1.40E 01	4.00E 00	0.00E-01	3.90E 01
ESE	1.00E 00	9.00E 00	1.50E 01	9.00E 00	2.00E 00	1.00E 00	3.70E 01
SE	2.00E 00	1.30E 01	1.90E 01	1.00E 00	0.00E-01	0.00E-01	3.50E 01
SSE	1.00E 00	1.30E 01	2.10E 01	5.00E 00	1.00E 00	0.00E-01	4.10E 01
S	1.00E 00	7.00E 00	1.50E 01	1.10E 01	1.00E 00	0.00E-01	3.50E 01
SSW	0.00E-01	4.00E 00	9.00E 00	3.30E 01	1.60E 01	4.00E 00	6.60E 01
SW	0.00E-01	3.00E 00	1.60E 01	2.10E 01	8.00E 00	2.70E 01	7.50E 01
WSW	1.00E 00	3.00E 00	8.00E 00	2.20E 01	1.30E 01	2.30E 01	7.00E 01
W	0.00E-01	8.00E 00	9.00E 00	2.10E 01	1.40E 01	5.00E 00	5.70E 01
WNW	0.00E-01	3.00E 00	2.00E 01	1.50E 01	3.00E 00	3.00E 00	4.90E 01
W	0.00E-01	2.00E 00	9.00E 00	1.70E 01	1.00E 00	1.00E 00	3.00E 01
NW	0.00E-01	0.00E-01	1.00E 00	9.00E 00	5.00E 00	0.00E-01	1.50E 01
TOT	8.00E 00	9.20E 01	2.08E 02	2.56E 02	1.00E 02	7.10E 01	7.35E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : E  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	4.00E 00	8.00E 00	2.00E 00	0.00E-01	1.40E 01
NNE	1.00E 00	1.00E 00	1.20E 01	1.10E 01	1.00E 00	0.00E-01	2.60E 01
NE	0.00E-01	4.00E 00	1.00E 01	2.00E 00	0.00E-01	0.00E-01	1.60E 01
ENE	1.00E 00	6.00E 00	6.00E 00	1.00E 00	0.00E-01	0.00E-01	1.40E 01
E	0.00E-01	2.00E 00	4.00E 00	3.00E 00	1.00E 00	4.00E 00	1.40E 01
ESE	0.00E-01	2.00E 00	1.00E 00	4.00E 00	1.00E 00	1.00E 00	9.00E 00
SE	0.00E-01	8.00E 00	9.00E 00	6.00E 00	2.00E 00	0.00E-01	2.50E 01
SSE	0.00E-01	5.00E 00	6.00E 00	4.00E 00	0.00E-01	0.00E-01	1.50E 01
S	1.00E 00	4.00E 00	2.60E 01	2.20E 01	7.00E 00	0.00E-01	6.00E 01
SSW	1.00E 00	5.00E 00	1.30E 01	1.70E 01	3.10E 01	5.00E 00	7.20E 01
SW	1.00E 00	7.00E 00	1.50E 01	3.90E 01	1.20E 01	5.00E 00	8.60E 01
WSW	1.00E 00	4.00E 00	2.00E 01	1.80E 01	7.00E 00	1.00E 00	5.10E 01
W	0.00E-01	4.00E 00	1.70E 01	1.80E 01	0.00E-01	3.00E 00	4.20E 01
WNW	0.00E-01	4.00E 00	1.20E 01	1.30E 01	6.00E 00	1.00E 00	3.60E 01
NW	1.00E 00	4.00E 00	5.00E 00	3.00E 00	0.00E-01	0.00E-01	1.30E 01
NNW	0.00E-01	1.00E 00	7.00E 00	6.00E 00	0.00E-01	0.00E-01	1.40E 01
TOT	7.00E 00	6.10E 01	1.67E 02	1.75E 02	7.70E 01	2.00E 01	5.07E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : F  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	4.00E 00	6.00E 00	0.00E-01	0.00E-01	1.00E 01
NNE	1.00E 00	0.00E-01	3.00E 00	3.00E 00	0.00E-01	0.00E-01	7.00E 00
NE	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
ENE	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
E	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
ESE	1.00E 00	0.00E-01	3.00E 00	3.00E 00	2.00E 00	0.00E-01	9.00E 00
SE	0.00E-01	7.00E 00	5.00E 00	4.00E 00	0.00E-01	0.00E-01	1.60E 01
SSE	1.00E 00	7.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	1.40E 01
S	0.00E-01	5.00E 00	9.00E 00	1.00E 01	3.00E 00	2.00E 00	2.90E 01
SSW	0.00E-01	4.00E 00	6.00E 00	1.10E 01	9.00E 00	2.00E 00	3.20E 01
SW	0.00E-01	4.00E 00	7.00E 00	1.20E 01	2.00E 00	1.00E 00	2.60E 01
WSW	3.00E 00	0.00E-01	7.00E 00	4.00E 00	0.00E-01	0.00E-01	1.40E 01
W	0.00E-01	0.00E-01	1.00E 01	1.10E 01	0.00E-01	0.00E-01	2.10E 01
WNW	1.00E 00	2.00E 00	1.20E 01	6.00E 00	0.00E-01	0.00E-01	2.10E 01
W	0.00E-01	0.00E-01	3.00E 00	6.00E 00	0.00E-01	0.00E-01	9.00E 00
NW	0.00E-01	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	1.00E 00
TOT	7.00E 00	3.30E 01	7.80E 01	7.70E 01	1.60E 01	5.00E 00	2.16E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 2  
 REPORT START TIME : 2160:00 HRS = 12:00AM APRIL 1, 1985  
 REPORT END TIME : 4343:59 HRS = 11:59PM JUNE 30, 1985  
 STABILITY CLASS : G  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2.00E 00	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
NNE	0.00E-01	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
NE	0.00E-01	2.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
ENE	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00
E	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00
ESE	1.00E 00	3.00E 00	2.00E 00	2.00E 00	0.00E-01	0.00E-01	8.00E 00
SE	1.00E 00	7.00E 00	1.20E 01	1.20E 01	0.00E-01	1.00E 00	3.30E 01
SSE	1.00E 00	4.00E 00	6.00E 00	5.00E 00	2.00E 00	0.00E-01	2.20E 01
S	1.00E 00	4.00E 00	1.40E 01	1.60E 01	2.00E 00	0.00E-01	3.70E 01
SSW	0.00E-01	8.00E 00	6.00E 00	6.00E 00	1.00E 00	0.00E-01	2.10E 01
SW	0.00E-01	1.00E 00	1.60E 01	9.00E 00	2.00E 00	0.00E-01	2.30E 01
WSW	0.00E-01	2.00E 00	3.00E 00	5.00E 00	0.00E-01	0.00E-01	1.00E 01
W	0.00E-01	3.00E 00	2.00E 00	3.00E 00	0.00E-01	0.00E-01	8.00E 00
WNW	1.00E 00	1.00E 00	3.00E 00	3.00E 00	0.00E-01	0.00E-01	8.00E 00
NW	0.00E-01	1.00E 00	4.00E 00	2.00E 00	0.00E-01	0.00E-01	7.00E 00
NNW	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
TOT	1.00E 01	4.20E 01	7.60E 01	6.70E 01	7.00E 00	1.00E 00	2.03E 02

PERIODS OF CALM(HOURS): 1.000E 00  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 2.159E 03 = 98.9% OF TOTAL HOURS

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 0551:59 HRS = 11:50PM SEPTEMBER 30, 1985  
 STABILITY CLASS : A  
 ELEVATION : 10 METERS

WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	1.00E 00	3.00E 00	1.00E 00	0.00E-01	0.00E-01	1.00E 01
ENE	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
E	0.00E-01	5.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	5.00E 00
ESE	1.00E 00	7.00E 00	7.00E 00	0.00E-01	0.00E-01	0.00E-01	1.50E 01
SE	2.00E 00	1.70E 01	1.00E 01	0.00E-01	0.00E-01	0.00E-01	2.90E 01
SSE	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00
S	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
SSW	1.00E 00	9.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	1.60E 01
SW	0.00E-01	3.00E 00	7.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 01
WSW	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
W	1.00E 00	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
WNW	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
WW	0.00E-01	2.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
WNW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TOT	6.00E 00	5.10E 01	5.30E 01	1.00E 00	0.00E-01	0.00E-01	1.11E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01



REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : B  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
NE	0.00E-01	1.00E 00	7.00E 00	1.00E 00	0.00E-01	0.00E-01	9.00E 00
ENE	0.00E-01	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
E	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
ESE	0.00E-01	2.00E 00	9.00E 00	0.00E-01	0.00E-01	0.00E-01	1.10E 01
SE	1.00E 00	5.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	9.00E 00
SSE	1.00E 00	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
S	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
SSW	0.00E-01	7.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	1.30E 01
SW	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
WSW	1.00E 00	5.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	7.00E 00
W	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
WNW	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
NW	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
NNW	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00
TOT	3.00E 00	3.50E 01	4.10E 01	1.00E 00	0.00E-01	0.00E-01	8.00E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 1.000E 00

Table 3.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : C  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
NNE	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00:
NE	2.00E 00	2.00E 00	7.00E 00	0.00E-01	0.00E-01	0.00E-01	1.10E 01:
ENE	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
E	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00:
ESE	0.00E-01	2.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00:
SE	0.00E-01	9.00E 00	1.00E 01	0.00E-01	0.00E-01	0.00E-01	1.90E 01:
SSE	1.00E 00	2.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	8.00E 00:
S	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00:
SSW	1.00E 00	7.00E 00	1.30E 01	0.00E-01	0.00E-01	0.00E-01	2.10E 01:
SW	1.00E 00	1.00E 00	1.00E 01	0.60E-01	0.00E-01	0.00E-01	1.20E 01:
WSW	0.00E-01	3.00E 00	7.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 01:
W	0.00E-01	4.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	9.00E 00:
WNW	0.00E-01	4.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00:
W	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00:
NNW	1.00E 00	1.00E 00	4.00E 00	0.00E-01	0.00E-01	0.00E-01	6.00E 00:
TOT	6.00E 00	4.50E 01	7.30E 01	0.00E-01	0.00E-01	0.00E-01	1.24E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 1.000E 00

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : D  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2.00E 00	1.60E 01	2.10E 01	0.00E-01	0.00E-01	0.00E-01	3.90E 01
NNE	2.00E 00	1.10E 01	9.00E 00	1.00E 00	0.00E-01	0.00E-01	2.30E 01
NE	0.00E-01	1.20E 01	3.70E 01	1.30E 01	0.00E-01	0.00E-01	6.20E 01
ENE	2.00E 00	7.00E 00	2.50E 01	1.00E 01	0.00E-01	0.00E-01	4.40E 01
E	0.00E-01	6.00E 00	2.00E 00	2.00E 00	0.00E-01	0.00E-01	1.00E 01
ESE	2.00E 00	1.80E 01	8.00E 00	3.00E 00	0.00E-01	0.00E-01	3.10E 01
SE	3.00E 00	2.20E 01	4.40E 01	1.00E 01	0.00E-01	0.00E-01	7.90E 01
SSE	4.00E 00	3.10E 01	4.60E 01	3.00E 00	0.00E-01	0.00E-01	8.40E 01
S	0.00E-01	3.20E 01	2.40E 01	0.00E-01	0.00E-01	0.00E-01	5.60E 01
SSW	1.00E 00	4.20E 01	3.70E 01	0.00E-01	0.00E-01	0.00E-01	8.00E 01
SW	7.00E 00	2.20E 01	2.30E 01	1.00E 00	0.00E-01	0.00E-01	5.30E 01
WSW	3.00E 00	2.70E 01	1.90E 01	0.00E-01	0.00E-01	0.00E-01	4.90E 01
W	3.00E 00	2.20E 01	1.30E 01	0.00E-01	0.00E-01	0.00E-01	3.80E 01
WNW	5.00E 00	1.40E 01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	2.20E 01
NW	2.00E 00	1.30E 01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	1.80E 01
NNW	1.00E 00	2.80E 01	6.00E 00	0.00E-01	0.00E-01	0.00E-01	3.50E 01
TOT	3.70E 01	3.23E 02	3.20E 02	4.30E 01	0.00E-01	0.00E-01	7.23E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 3.000E 00

Table 3.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : E  
 ELEVATION : 10 METERS

## WIND SPEED(NPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3.00E 00	3.00E 01	8.00E 00	2.00E 00	0.00E-01	0.00E-01	4.30E 01
NNE	2.00E 00	1.50E 01	1.30E 01	0.00E-01	0.00E-01	0.00E-01	3.00E 01
NE	1.00E 00	8.00E 00	2.40E 01	2.00E 00	0.00E-01	0.00E-01	3.50E 01
ENE	1.00E 00	4.00E 00	4.00E 00	0.00E-01	0.00E-01	0.00E-01	9.00E 00
E	3.00E 00	6.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	1.40E 01
ESE	2.00E 00	8.00E 00	8.00E 00	2.00E 00	2.00E 00	0.00E-01	2.20E 01
SE	1.00E 00	1.00E 01	1.50E 01	1.00E 00	0.00E-01	0.00E-01	2.70E 01
SSE	1.00E 00	7.00E 00	1.20E 01	6.00E 00	0.00E-01	0.00E-01	2.60E 01
S	1.00E 01	4.80E 01	3.10E 01	9.00E 00	0.00E-01	0.00E-01	9.80E 01
SSW	1.40E 01	1.13E 02	2.50E 01	2.00E 00	0.00E-01	0.00E-01	1.54E 02
SW	1.90E 01	4.50E 01	3.20E 01	1.00E 00	0.00E-01	0.00E-01	9.70E 01
WSW	2.10E 01	4.00E 01	5.00E 00	0.00E-01	0.00E-01	0.00E-01	6.50E 01
W	2.20E 01	3.00E 01	5.00E 00	0.00E-01	0.00E-01	0.00E-01	5.70E 01
WNW	9.00E 00	2.80E 01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	4.10E 01
NW	9.00E 00	1.60E 01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.60E 01
NNW	7.00E 00	2.90E 01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 01
TOT	1.25E 02	4.37E 02	1.95E 02	2.60E 01	2.00E 00	0.00E-01	7.85E 02

PERIODS OF CALM(HOURS): 4.000E 00

HOURS OF INVALID DATA : 0.000E-01

Table 3.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : F  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	8.00E 00	2.40E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.20E 01
NNE	0.00E-01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00
NE	1.00E 00	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
ENE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
E	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ESE	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00
SE	2.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00
SSE	5.00E 00	2.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	1.30E 01
S	6.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	8.00E 00
SSW	1.00E 01	9.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.90E 01
SW	1.10E 01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.50E 01
WSW	1.90E 01	1.60E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.50E 01
W	1.30E 01	2.00E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.30E 01
WNW	6.00E 00	1.70E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.30E 01
NW	4.00E 00	1.20E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.60E 01
NNW	1.20E 01	1.20E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.40E 01
TOT	9.80E 01	1.27E 02	8.00E 00	0.00E-01	0.00E-01	0.00E-01	2.33E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344.00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551.59 HRS = 11:50PM SEPTEMBER 30, 1985  
 STABILITY CLASS : G  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 01	5.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.50E 01
NNE	4.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00
NE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ENE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
E	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SSE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
S	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSW	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SW	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
WSW	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00
W	7.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 01
WNW	6.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	7.00E 00
NW	1.40E 01	5.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.90E 01
NNW	2.50E 01	9.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.50E 01
TOT	7.00E 01	2.70E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	9.70E 01

PERIODS OF CALM(HOURS): 1.000E 00  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 2.158E 03 = 97.7% OF TOTAL HOURS

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : A  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	6.00E 00	4.00E 00	0.00E-01	0.00E-01	1.00E 01
ENE	1.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	7.00E 00
E	0.00E-01	3.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	6.00E 00
ESE	0.00E-01	1.00E 01	1.40E 01	1.00E 00	0.00E-01	0.00E-01	2.50E 01
SE	1.00E 00	1.10E 01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	1.50E 01
SSE	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
S	0.00E-01	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
SSW	1.00E 00	2.00E 00	4.00E 00	7.00E 00	0.00E-01	0.00E-01	1.40E 01
SW	0.00E-01	0.00E-01	3.00E 00	6.00E 00	0.00E-01	0.00E-01	9.00E 00
WSW	0.00E-01	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	3.00E 00
W	0.00E-01	1.00E 00	0.00E-01	6.00E 00	2.00E 00	0.00E-01	9.00E 00
WNW	0.00E-01	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
WW	0.00E-01	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	4.00E 00
WNW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TOT	4.00E 00	3.50E 01	4.20E 01	2.80E 01	2.00E 00	0.00E-01	1.11E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

Table 3.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : B  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
NE	0.00E-01	1.00E 00	4.00E 00	5.00E 00	0.00E-01	0.00E-01	1.00E 01
ENE	0.00E-01	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
E	0.00E-01	0.00E-01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
ESE	1.00E 00	5.00E 00	7.00E 00	1.00E 00	0.00E-01	0.00E-01	1.40E 01
SE	1.00E 00	2.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
SSE	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
S	0.00E-01	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	4.00E 00
SSW	0.00E-01	2.00E 00	7.00E 00	4.00E 00	0.00E-01	0.00E-01	1.30E 01
SW	0.00E-01	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	4.00E 00
WSW	0.00E-01	2.00E 00	4.00E 00	1.00E 00	0.00E-01	0.00E-01	7.00E 00
W	0.00E-01	1.00E 00	1.00E 00	1.00E 00	0.00E-01	0.00E-01	3.00E 00
WNW	0.00E-01	1.00E 00	2.00E 00	1.00E 00	0.00E-01	0.00E-01	4.00E 00
W	0.00E-01	0.00E-01	4.00E 00	1.00E 00	0.00E-01	0.00E-01	5.00E 00
WNW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TOT	3.00E 00	1.50E 01	4.60E 01	1.60E 01	0.00E-01	0.00E-01	8.00E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 1.000E 00



REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : C  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 00	1.00E 00	0.00E-01	2.00E 00	0.00E-01	0.00E-01	4.00E 00:
NNE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
NE	1.00E 00	1.00E 00	5.00E 00	3.00E 00	0.00E-01	0.00E-01	1.00E 01:
ENE	0.00E-01	4.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00:
E	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
ESE	1.00E 00	1.00E 00	8.00E 00	2.00E 00	0.00E-01	0.00E-01	1.20E 01:
SE	2.00E 00	7.00E 00	1.00E 00	1.00E 00	0.00E-01	0.00E-01	1.10E 01:
SSE	0.00E-01	2.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	7.00E 00:
S	0.00E-01	0.00E-01	6.00E 00	2.00E 00	0.00E-01	0.00E-01	8.00E 00:
SSW	1.00E 00	2.00E 00	5.00E 00	6.00E 00	1.00E 00	0.00E-01	1.50E 01:
SW	0.00E-01	1.00E 00	1.00E 00	1.10E 01	0.00E-01	0.00E-01	1.30E 01:
WSW	0.00E-01	1.00E 00	4.00E 00	4.00E 00	2.00E 00	0.00E-01	1.10E 01:
W	0.00E-01	1.00E 00	4.00E 00	5.00E 00	0.00E-01	0.00E-01	1.00E 01:
WNW	0.00E-01	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00:
NW	0.00E-01	0.00E-01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
NNW	0.00E-01	1.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	6.00E 00:
TOT	6.00E 00	2.50E 01	5.40E 01	3.60E 01	3.00E 00	0.00E-01	1.24E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 1.000E 00

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : D  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 00	3.00E 00	1.10E 01	6.00E 00	0.00E-01	0.00E-01	2.10E 01
NNE	1.00E 00	2.00E 00	1.10E 01	6.00E 00	0.00E-01	0.00E-01	2.00E 01
NE	2.00E 00	3.00E 00	2.90E 01	3.40E 01	5.00E 00	0.00E-01	7.30E 01
ENE	0.00E-01	4.00E 00	2.30E 01	1.00E 01	1.00E 00	0.00E-01	3.80E 01
E	2.00E 00	8.00E 00	2.00E 00	2.00E 00	2.00E 00	1.00E 00	1.70E 01
ESE	2.00E 00	1.20E 01	2.30E 01	1.10E 01	0.00E-01	0.00E-01	4.80E 01
SE	5.00E 00	2.10E 01	3.30E 01	1.50E 01	0.00E-01	0.00E-01	7.40E 01
SSE	1.00E 00	2.40E 01	3.40E 01	4.00E 00	0.00E-01	0.00E-01	6.30E 01
S	1.00E 00	8.00E 00	4.20E 01	1.00E 01	1.00E 00	0.00E-01	6.20E 01
SSW	0.00E-01	8.00E 00	3.10E 01	3.00E 01	2.00E 00	2.00E 00	7.30E 01
SW	4.00E 00	7.00E 00	1.10E 01	2.40E 01	4.00E 00	2.00E 00	5.20E 01
WSW	1.00E 00	7.00E 00	2.30E 01	2.50E 01	2.00E 00	0.00E-01	5.30E 01
W	0.00E-01	3.00E 00	1.40E 01	1.30E 01	1.00E 00	0.00E-01	3.10E 01
WNW	2.00E 00	1.10E 01	1.20E 01	2.00E 00	0.00E-01	0.00E-01	2.70E 01
NW	1.00E 00	6.00E 00	1.10E 01	0.00E-01	0.00E-01	0.00E-01	1.80E 01
NNW	0.00E-01	1.50E 01	2.50E 01	8.00E 00	0.00E-01	0.00E-01	4.80E 01
TOT	2.30E 01	1.42E 02	3.35E 02	2.00E 02	1.80E 01	5.00E 00	7.23E 02

PERIODS OF CALM(HOURS): 0.000E+01  
 HOURS OF INVALID DATA : 3.000E 00

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : E  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	5.00E 00	1.30E 01	4.00E 00	1.00E 00	0.00E-01	2.30E 01:
NNE	0.00E-01	6.00E 00	1.70E 01	1.30E 01	0.00E-01	0.00E-01	3.60E 01:
NE	0.00E-01	4.00E 00	1.30E 01	2.00E 01	0.00E-01	0.00E-01	3.70E 01:
ENE	2.00E 00	3.00E 00	7.00E 00	2.00E 00	0.00E-01	0.00E-01	1.40E 01:
E	3.00E 00	2.00E 00	8.00E 00	3.00E 00	0.00E-01	4.00E 00	2.00E 01:
ESE	2.00E 00	5.00E 00	1.50E 01	6.00E 00	1.00E 00	0.00E-01	2.90E 01:
SE	2.00E 00	4.00E 00	4.00E 00	9.00E 00	0.00E-01	0.00E-01	1.90E 01:
SSE	1.00E 00	8.00E 00	2.50E 01	1.30E 01	1.00E 00	0.00E-01	4.80E 01:
S	1.00E 00	9.00E 00	3.50E 01	3.10E 01	6.00E 00	3.00E 00	6.50E 01:
SSW	2.00E 00	3.00E 00	7.00E 01	5.60E 01	1.00E 01	1.00E 00	1.42E 02:
SW	3.00E 00	5.00E 00	4.20E 01	3.70E 01	1.20E 01	2.00E 00	1.01E 02:
WSW	0.00E-01	1.00E 01	4.30E 01	2.70E 01	2.00E 00	1.00E 00	6.30E 01:
W	1.00E 00	1.10E 01	2.30E 01	1.50E 01	1.00E 00	0.00E-01	5.10E 01:
WNW	0.00E-01	9.00E 00	1.60E 01	1.10E 01	2.00E 00	0.00E-01	3.80E 01:
NW	1.00E 00	5.00E 00	9.00E 00	0.00E-01	0.00E-01	0.00E-01	1.50E 01:
NNW	1.00E 00	6.00E 00	2.90E 01	7.00E 00	1.00E 00	0.00E-01	4.40E 01:
TOT	1.90E 01	9.50E 01	3.69E 02	2.54E 02	3.70E 01	1.10E 01	7.85E 02:

PERIODS OF CALM(HOURS): 4.000E 00  
 HOURS OF INVALID DATA : 0.000E-01

Table 3.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : F  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 00	0.00E-01	1.20E 01	3.00E 00	0.00E-01	0.00E-01	1.50E 01
NNE	3.00E 00	3.00E 00	1.10E 01	2.00E 00	0.00E-01	0.00E-01	1.90E 01
NE	1.00E 00	1.00E 00	8.00E 00	1.00E 00	0.00E-01	0.00E-01	1.10E 01
ENE	0.00E-01	2.00E 00	0.00E-01	1.00E 00	0.00E-01	0.00E-01	3.00E 00
E	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
ESE	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
SE	2.00E 00	7.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	1.20E 01
SSE	0.00E-01	5.00E 00	3.00E 00	3.00E 00	0.00E-01	0.00E-01	1.10E 01
S	0.00E-01	2.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	7.00E 00
SSW	1.00E 00	2.00E 00	7.00E 00	2.00E 00	0.00E-01	0.00E-01	1.20E 01
SW	0.00E-01	2.00E 00	1.10E 01	9.00E 00	0.00E-01	0.00E-01	2.20E 01
WSW	0.00E-01	3.00E 00	1.70E 01	1.40E 01	0.00E-01	0.00E-01	3.40E 01
W	0.00E-01	3.00E 00	8.00E 00	1.60E 01	0.00E-01	0.00E-01	2.70E 01
WNW	0.00E-01	2.00E 00	9.00E 00	1.10E 01	0.00E-01	0.00E-01	2.20E 01
WW	0.00E-01	2.00E 00	9.00E 00	4.00E 00	0.00E-01	0.00E-01	1.50E 01
WNW	1.00E 00	7.00E 00	7.00E 00	4.00E 00	0.00E-01	0.00E-01	1.90E 01
TOT	9.00E 00	4.20E 01	1.12E 02	7.00E 01	0.00E-01	0.00E-01	2.33E 02

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01

Table 3.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 3  
 REPORT START TIME : 4344:00 HRS = 12:00AM JULY 1, 1985  
 REPORT END TIME : 6551:59 HRS = 11:59PM SEPTEMBER 30, 1985  
 STABILITY CLASS : G  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	4.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	6.00E 00
NNE	0.00E-01	3.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	9.00E 00
NE	0.00E-01	1.10E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.10E 01
ENE	2.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	7.00E 00
E	1.00E 00	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
ESE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SE	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00
SSE	1.00E 00	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
S	2.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	5.00E 00
SSW	1.00E 00	0.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	1.10E 01
SW	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
WSW	1.00E 00	1.00E 00	2.00E 00	3.00E 00	0.00E-01	0.00E-01	7.00E 00
W	0.00E-01	1.00E 00	4.00E 00	3.00E 00	0.00E-01	0.00E-01	8.00E 00
WNW	0.00E-01	1.00E 00	2.00E 00	1.00E 00	0.00E-01	0.00E-01	4.00E 00
NW	2.00E 00	4.00E 00	1.00E 00	1.00E 00	0.00E-01	0.00E-01	8.00E 00
NNW	2.00E 00	1.00E 00	4.00E 00	1.00E 00	0.00E-01	0.00E-01	8.00E 00
TOT	1.30E 01	5.00E 01	2.50E 01	9.00E 00	0.00E-01	0.00E-01	9.80E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 2.158E 03 = 87.7% OF TOTAL HOURS

Table 4.1

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 6552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 8678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : A  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
ENE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
E	0.00E-01	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	1.00E 00
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
S	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSW	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
SW	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
WSW	0.00E-01	0.00E-01	3.00E 00	2.00E 00	0.00E-01	0.00E-01	5.00E 00
W	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
WNW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNW	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
TOT	0.00E-01	6.00E 00	8.00E 00	3.00E 00	0.00E-01	0.00E-01	1.70E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

Table 4.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 0552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 0370:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : B  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
ENE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
E	0.00E-01	1.00E 00	1.00E 00	3.00E 00	0.00E-01	0.00E-01	5.00E 00
ESE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
S	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SSW	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
SW	0.00E-01	2.00E 00	3.00E 00	0.00E-01	2.00E 00	5.00E 00	1.20E 01
WSW	0.00E-01	1.00E 00	1.00E 00	2.00E 00	0.00E-01	0.00E-01	4.00E 00
W	0.00E-01	2.00E 00	2.00E 00	3.00E 00	1.00E 00	0.00E-01	1.00E 01
WNW	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
NW	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
NNW	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
TOT	0.00E-01	1.60E 01	1.50E 01	1.00E 01	3.00E 00	5.00E 00	4.90E 01

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01

Table 4.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 6552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 0678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : C  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	2.00E 00	0.00E-01	7.00E-01	0.00E-01	2.00E 00
ENE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
E	0.00E-01	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	2.00E 00
ESE	0.00E-01	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
SE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
S	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSW	0.00E-01	4.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	7.00E 00
SW	0.00E-01	1.00E 00	1.00E 00	0.00E-01	4.00E 00	0.00E-01	6.00E 00
WSW	0.00E-01	2.00E 00	5.00E 00	4.00E 00	1.00E 00	0.00E-01	1.20E 01
W	0.00E-01	4.00E 00	2.00E 00	4.00E 00	1.00E 00	0.00E-01	1.10E 01
WNW	2.00E 00	2.00E 00	1.00E 00	2.00E 00	1.00E 00	0.00E-01	8.00E 00
NW	0.00E-01	2.00E 00	3.00E 00	1.00E 00	0.00E-01	0.00E-01	6.00E 00
NNW	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
TOT	2.00E 00	1.90E 01	2.00E 01	1.20E 01	7.00E 00	0.00E-01	6.00E 01

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01



Table 4.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 6552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 8678:00 HRS = 02:00PM DECEMBER 20, 1985  
 STABILITY CLASS : D  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 00	1.50E 01	1.00E 01	1.30E 01	0.00E-01	0.00E-01	4.00E 01:
NNE	3.00E 00	1.90E 01	3.40E 01	6.00E 00	0.00E-01	0.00E-01	6.20E 01:
NE	0.00E-01	6.00E 00	7.20E 01	6.40E 01	1.00E 00	1.00E 00	1.44E 02:
ENE	4.00E 00	3.00E 00	2.00E 01	2.60E 01	2.00E 00	0.00E-01	5.50E 01:
E	1.00E 00	7.00E 00	1.20E 01	1.80E 01	2.00E 00	0.00E-01	4.00E 01:
ESE	4.00E 00	8.00E 00	1.30E 01	6.00E 00	1.00E 00	0.00E-01	3.20E 01:
SE	9.00E 00	6.00E 00	3.00E 00	8.00E 00	2.00E 00	0.00E-01	2.80E 01:
SSE	5.00E 00	5.00E 00	1.70E 01	1.00E 00	1.00E 00	0.00E-01	2.90E 01:
S	0.00E-01	1.00E 01	1.90E 01	3.00E 00	0.00E-01	0.00E-01	3.20E 01:
SSW	4.00E 00	2.10E 01	2.00E 01	4.00E 00	4.00E 00	0.00E-01	5.30E 01:
SW	0.00E-01	1.40E 01	1.20E 01	1.60E 01	4.00E 00	0.00E-01	4.60E 01:
WSW	6.00E 00	4.70E 01	3.70E 01	2.50E 01	8.00E 00	0.00E-01	1.23E 02:
W	8.00E 00	3.20E 01	2.50E 01	8.00E 00	2.00E 00	0.00E-01	7.50E 01:
WNW	3.00E 00	2.70E 01	2.70E 01	1.00E 01	2.00E 00	0.00E-01	6.90E 01:
NW	4.00E 00	3.70E 01	1.40E 01	6.00E 00	0.00E-01	0.00E-01	6.10E 01:
NNW	4.00E 00	1.90E 01	3.30E 01	8.00E 00	0.00E-01	0.00E-01	6.40E 01:
TOT	5.60E 01	2.77E 02	3.68E 02	2.22E 02	2.90E 01	1.00E 00	9.53E 02:

PERIODS OF CALM(HOURS): 0.000E-01

HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 6552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 8678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : E  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
M	1.00E 01	1.40E 01	5.00E 00	8.00E 00	0.00E-01	0.00E-01	3.70E 01
MNE	8.00E 00	1.30E 01	7.00E 00	0.00E-01	0.00E-01	0.00E-01	2.80E 01
ME	3.00E 00	1.00E 01	1.20E 01	1.10E 01	0.00E-01	0.00E-01	3.60E 01
ENE	1.00E 00	1.10E 01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.30E 01
E	4.00E 00	8.00E 00	4.00E 00	1.30E 01	0.00E-01	0.00E-01	2.90E 01
ESE	3.00E 00	7.00E 00	1.40E 01	1.40E 01	1.00E 00	0.00E-01	3.90E 01
SE	1.00E 00	1.00E 01	7.00E 00	6.00E 00	0.00E-01	0.00E-01	2.40E 01
SSE	2.00E 00	1.50E 01	9.00E 00	7.00E 00	2.00E 00	0.00E-01	3.50E 01
S	4.00E 00	4.00E 00	1.00E 01	4.00E 00	1.00E 00	0.00E-01	3.10E 01
SSW	5.00E 00	3.40E 01	1.40E 01	2.00E 00	0.00E-01	0.00E-01	5.60E 01
SW	7.00E 00	3.10E 01	5.00E 00	7.00E 00	1.00E 00	0.00E-01	5.10E 01
WSW	6.00E 00	4.10E 01	2.00E 00	6.00E 00	1.00E 00	0.00E-01	5.60E 01
W	1.40E 01	2.00E 01	1.30E 01	4.00E 00	0.00E-01	0.00E-01	6.00E 01
WNW	7.00E 00	1.80E 01	5.00E 00	3.00E 00	0.00E-01	0.00E-01	3.30E 01
NW	6.00E 00	3.00E 01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	3.90E 01
NNW	5.00E 00	2.20E 01	2.00E 00	3.00E 00	0.00E-01	0.00E-01	3.20E 01
TOT	8.70E 01	2.97E 02	1.21E 02	8.80E 01	6.00E 00	0.00E-01	5.90E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

Table 4.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 6552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 8678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : F  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 00	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00:
NNE	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00:
NE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
ENE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
E	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01:
SE	1.00E 00	3.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00:
SSE	0.00E-01	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	1.00E 00:
S	5.00E 00	2.00E 00	5.00E 00	4.00E 00	1.00E 00	0.00E-01	1.70E 01:
SSW	1.00E 00	2.30E 01	1.20E 01	0.00E-01	0.00E-01	0.00E-01	3.50E 01:
SW	6.00E 00	1.20E 01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 01:
WSW	6.00E 00	4.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 01:
W	3.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	9.00E 00:
WNW	1.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	6.00E 00:
NW	3.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	6.00E 00:
NNW	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00:
TOT	2.90E 01	6.50E 01	2.10E 01	5.00E 00	1.00E 00	0.00E-01	1.22E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

Table 4.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 0552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 0678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : G  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ENE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
E	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SE	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
SSE	1.00E 00	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	3.00E 00
S	1.00E 00	4.00E 00	2.00E 00	1.00E 00	0.00E-01	0.00E-01	8.00E 00
SSW	0.00E-01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
SW	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
WSW	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
W	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00
WNW	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00
NW	4.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	5.00E 00
NNW	3.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	5.00E 00
TOT	1.50E 01	1.50E 01	5.00E 00	2.00E 00	0.00E-01	0.00E-01	3.70E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 1.837E 03 = 88.4% OF TOTAL HOURS

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 6552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 3678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : A  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
ENE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
E	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00	0.00E-01	1.00E 00
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
S	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSW	0.00E-01	1.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
SW	1.00E 00	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00
WSW	0.00E-01	0.00E-01	1.00E 00	0.00E-01	5.00E 00	0.00E-01	6.00E 00
W	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
WNW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNW	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
TOT	1.00E 00	2.00E 00	7.00E 00	0.00E-01	5.00E 00	0.00E-01	1.60E 01

PERIODS OF CALM(HOURS): 1.000E 00  
 HOURS OF INVALID DATA : 0.000E-01

Table 4.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 0552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 0573:00 HRS = 02:00PM DECEMBER 23, 1985  
 STABILITY CLASS : B  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	2.00E 00	1.00E 00	0.00E-01	0.00E-01	3.00E 00
ENE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
E	0.00E-01	1.00E 00	2.00E 00	0.00E-01	3.00E 00	0.00E-01	6.00E 00
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
S	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SSW	0.00E-01	0.00E-01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
SW	0.00E-01	0.00E-01	1.00E 00	3.00E 00	0.00E-01	6.00E 00	1.00E 01
WSW	0.00E-01	1.00E 00	0.00E-01	1.00E 00	1.00E 00	3.00E 00	6.00E 00
W	0.00E-01	1.00E 00	2.00E 00	1.00E 00	4.00E 00	1.00E 00	9.00E 00
WNW	0.00E-01	0.00E-01	3.00E 00	0.00E-01	1.00E 00	0.00E-01	4.00E 00
NW	0.00E-01	2.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	5.00E 00
NNW	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
TOT	0.00E-01	7.00E 00	1.70E 01	6.00E 00	9.00E 00	1.00E 01	4.00E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 6552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 3678:00 HRS = 02:00PM DECEMBER 23, 1985  
 STABILITY CLASS : C  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	2.00E 00
ENE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
E	0.00E-01	0.00E-01	0.00E-01	1.00E 00	2.00E 00	0.00E-01	3.00E 00
ESE	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
SE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SSE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
S	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SSW	0.00E-01	0.00E-01	5.00E 00	1.00E 00	0.00E-01	0.00E-01	6.00E 00
SW	0.00E-01	0.00E-01	1.00E 00	1.00E 00	1.00E 00	3.00E 00	6.00E 00
WSW	0.00E-01	1.00E 00	3.00E 00	7.00E 00	2.00E 00	3.00E 00	1.00E 01
W	0.00E-01	3.00E 00	3.00E 00	0.00E-01	2.00E 00	2.00E 00	1.00E 01
WNW	1.00E 00	2.00E 00	0.00E-01	2.00E 00	1.00E 00	1.00E 00	7.00E 00
NW	0.00E-01	0.00E-01	3.00E 00	2.00E 00	0.00E-01	0.00E-01	5.00E 00
NNW	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
TOT	1.00E 00	1.00E 01	1.70E 01	1.50E 01	8.00E 00	9.00E 00	6.00E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

Table 4.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 0552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 0678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : D  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.00E 00	1.00E 00	1.20E 01	6.00E 00	7.00E 00	2.00E 00	2.90E 01
NNE	1.00E 00	7.00E 00	2.20E 01	1.80E 01	3.00E 00	0.00E-01	5.10E 01
NE	1.00E 00	5.00E 00	1.70E 01	7.90E 01	3.30E 01	1.00E 00	1.36E 02
ENE	2.00E 00	1.00E 00	9.00E 00	3.90E 01	2.10E 01	3.00E 00	7.50E 01
E	1.00E 00	6.00E 00	2.00E 00	7.00E 00	1.50E 01	1.20E 01	4.30E 01
ESE	7.00E 00	0.00E-01	9.00E 00	1.00E 01	7.00E 00	2.00E 00	3.50E 01
SE	4.00E 00	6.00E 00	6.00E 00	0.00E-01	3.00E 00	2.00E 00	2.10E 01
SSE	5.00E 00	6.00E 00	1.30E 01	4.00E 00	2.00E 00	0.00E-01	3.00E 01
S	2.00E 00	4.00E 00	1.50E 01	5.00E 00	3.00E 00	6.00E 00	3.50E 01
SSW	1.00E 00	4.00E 00	1.30E 01	2.10E 01	5.00E 00	2.00E 00	4.60E 01
SW	0.00E-01	4.00E 00	1.70E 01	1.90E 01	0.00E 00	2.30E 01	7.10E 01
WSW	3.00E 00	1.20E 01	3.00E 01	5.40E 01	1.50E 01	1.00E 01	1.24E 02
W	1.00E 00	1.30E 01	1.40E 01	2.00E 01	5.00E 00	4.00E 00	5.70E 01
WNW	1.00E 00	0.00E 00	2.30E 01	2.40E 01	1.10E 01	6.00E 00	7.30E 01
WV	1.00E 00	6.00E 00	4.10E 01	1.00E 01	3.00E 00	2.00E 00	6.30E 01
WNV	0.00E-01	5.00E 00	2.30E 01	1.50E 01	1.00E 01	0.00E-01	5.30E 01
TOT	3.10E 01	8.80E 01	2.66E 02	3.31E 02	1.51E 02	7.50E 01	9.42E 02

PERIODS OF CALM(HOURS): 1.100E 01  
 HOURS OF INVALID DATA : 0.000E-01



REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 0552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 0678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : E  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 50 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	2.00E 00	8.00E 00	5.00E 00	7.00E 00	2.00E 00	2.40E 01
NNE	0.00E-01	3.00E 00	1.30E 01	9.00E 00	0.00E-01	0.00E-01	2.50E 01
NE	0.00E-01	7.00E 00	1.40E 01	9.00E 00	1.00E 01	0.00E-01	4.00E 01
NNE	1.00E 00	2.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	1.50E 01
E	2.00E 00	6.00E 00	5.00E 00	4.00E 00	1.00E 00	9.00E 00	2.70E 01
ESE	1.00E 00	2.00E 00	9.00E 00	8.00E 00	4.00E 00	2.00E 01	4.40E 01
SE	0.00E-01	4.00E 00	1.20E 01	9.00E 00	2.00E 00	2.00E 00	2.90E 01
SSE	3.00E 00	7.00E 00	9.00E 00	7.00E 00	5.00E 00	0.00E-01	3.10E 01
S	0.00E-01	3.00E 00	9.00E 00	9.00E 00	8.00E 00	5.00E 00	3.40E 01
SSW	0.00E-01	5.00E 00	8.00E 00	2.20E 01	7.00E 00	3.00E 00	4.50E 01
SW	0.00E-01	5.00E 00	2.10E 01	2.50E 01	8.00E 00	6.00E 00	6.50E 01
WSW	2.00E 00	2.00E 00	1.40E 01	4.00E 01	9.00E 00	1.00E 00	7.60E 01
W	1.00E 00	1.00E 00	1.90E 01	1.80E 01	0.00E-01	0.00E-01	3.90E 01
WNW	2.00E 00	9.00E 00	1.50E 01	6.00E 00	1.00E 00	0.00E-01	3.30E 01
W	2.00E 00	3.00E 00	2.90E 01	2.00E 00	0.00E-01	0.00E-01	3.60E 01
WNW	0.00E-01	3.00E 00	1.40E 01	5.00E 00	3.00E 00	0.00E-01	2.50E 01
TOT	1.40E 01	7.00E 01	2.05E 02	1.86E 02	6.50E 01	4.80E 01	5.88E 02

PERIODS OF CALM(HOURS): 1.100E 01  
 HOURS OF INVALID DATA : 0.000E-01

Table 4.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 6552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 8678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : F  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	2.00E 00	0.00E-01	2.00E 00	0.00E-01	0.00E-01	4.00E 00
NNE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
NE	0.00E-01	1.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	2.00E 00
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
E	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SSE	0.00E-01	1.00E 00	3.00E 00	0.00E-01	1.00E 00	0.00E-01	5.00E 00
S	0.00E-01	0.00E-01	2.00E 00	1.00E 00	4.00E 00	5.00E 00	1.20E 01
SSW	1.00E 00	1.00E 00	5.00E 00	1.00E 01	1.00E 01	1.00E 00	2.80E 01
SW	0.00E-01	2.00E 00	5.00E 00	1.40E 01	6.00E 00	1.00E 00	2.80E 01
WSW	0.00E-01	0.00E-01	6.00E 00	7.00E 00	0.00E-01	0.00E-01	1.30E 01
W	2.00E 00	0.00E-01	6.00E 00	4.00E 00	0.00E-01	0.00E-01	1.20E 01
WNW	0.00E-01	0.00E-01	3.00E 00	3.00E 00	0.00E-01	0.00E-01	6.00E 00
W	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
WNW	1.00E 00	1.00E 00	2.00E 00	2.00E 00	0.00E-01	0.00E-01	6.00E 00
TOT	4.00E 00	8.00E 00	3.60E 01	4.30E 01	2.10E 01	7.00E 00	1.10E 02

PERIODS OF CALM(HOURS): 3.000E 00  
 HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # 4  
 REPORT START TIME : 6552:00 HRS = 12:00AM OCTOBER 1, 1985  
 REPORT END TIME : 8678:00 HRS = 02:00PM DECEMBER 20, 1985  
 STABILITY CLASS : G  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
E	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
ESE	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
SE	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
SSE	1.00E 00	0.00E-01	1.00E 00	1.00E 00	1.00E 00	0.00E-01	4.00E 00
S	0.00E-01	1.00E 00	2.00E 00	2.00E 00	3.00E 00	1.00E 00	9.00E 00
SSW	2.00E 00	1.00E 00	1.00E 00	0.00E-01	4.00E 00	0.00E-01	8.00E 00
SW	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
WSW	0.00E-01	2.00E 00	0.00E-01	3.00E 00	0.00E-01	0.00E-01	5.00E 00
W	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.00E 00
WNW	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.00E 00
WN	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
WNW	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
TOT	8.00E 00	1.00E 01	4.00E 00	6.00E 00	8.00E 00	1.00E 00	3.70E 01

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 1.837E 03 = 85.4% OF TOTAL HOURS

Table F5.1

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 8678:00 HRS - 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : A  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00:
NE	0.00E-01	0.00E-01	3.00E 00	0.00E-01	0.00E-01	0.00E-01	3.00E 00:
E	0.00E-01	4.00E 00	2.70E 01	2.00E 00	0.00E-01	0.00E-01	3.30E 01:
SE	0.00E-01	5.00E 00	1.00E 01	0.00E-01	0.00E-01	0.00E-01	1.50E 01:
S	0.00E-01	1.10E 01	1.70E 01	3.00E 00	0.00E-01	0.00E-01	3.10E 01:
SW	1.00E 00	1.30E 01	3.70E 01	1.00E 01	0.00E-01	0.00E-01	6.10E 01:
WSW	2.00E 00	3.10E 01	4.10E 01	1.00E 00	0.00E-01	0.00E-01	7.50E 01:
W	1.00E 00	3.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	9.00E 00:
WNW	1.00E 00	3.00E 00	6.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 01:
NW	1.00E 00	1.50E 01	1.50E 01	7.00E 00	0.00E-01	0.00E-01	3.00E 01:
NNW	0.00E-01	8.00E 00	1.60E 01	4.00E 00	0.00E-01	0.00E-01	2.80E 01:
NN	0.00E-01	4.00E 00	1.60E 01	4.00E 00	0.00E-01	0.00E-01	2.40E 01:
NNE	1.00E 00	4.00E 00	2.60E 01	3.00E 00	0.00E-01	0.00E-01	3.40E 01:
ENE	0.00E-01	5.00E 00	2.50E 01	5.00E 00	4.00E 00	0.00E-01	4.00E 01:
ESE	0.00E-01	4.00E 00	1.90E 01	2.00E 00	0.00E-01	0.00E-01	2.50E 01:
E	0.00E-01	7.00E 00	1.20E 01	4.00E 00	0.00E-01	0.00E-01	2.30E 01:
ESE	7.00E 00	1.10E 02	2.76E 02	4.50E 01	4.00E 00	0.00E-01	4.50E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

Table F5.1

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 0678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : D  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	2.00E 00	0.00E-01	6.00E 00	0.00E-01	0.00E-01	8.00E 00
NNE	0.00E-01	3.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	8.00E 00
NE	0.00E-01	1.00E 00	1.20E 01	4.00E 00	0.00E-01	0.00E-01	1.70E 01
ENE	0.00E-01	1.00E 00	7.00E 00	0.00E-01	0.00E-01	0.00E-01	8.00E 00
E	0.00E-01	3.00E 00	3.00E 00	4.00E 00	0.00E-01	0.00E-01	1.20E 01
ESE	0.00E-01	2.00E 00	1.40E 01	2.00E 00	0.00E-01	0.00E-01	1.80E 01
SE	1.00E 00	9.00E 00	1.60E 01	0.00E-01	0.00E-01	0.00E-01	2.60E 01
SSE	1.00E 00	4.00E 00	2.00E 00	0.00E-01	0.00E-01	0.00E-01	7.00E 00
S	0.00E-01	5.00E 00	3.00E 00	1.00E 00	0.00E-01	0.00E-01	9.00E 00
SSW	1.00E 00	1.40E 01	2.10E 01	1.00E 00	0.00E-01	0.00E-01	3.70E 01
SW	0.00E-01	6.00E 00	9.00E 00	5.00E 00	2.00E 00	5.00E 00	2.70E 01
WSW	1.00E 00	0.00E 00	1.00E 01	4.00E 00	0.00E-01	0.00E-01	2.30E 01
W	0.00E-01	1.60E 01	2.00E 01	6.00E 00	2.00E 00	0.00E-01	4.40E 01
WNW	0.00E-01	1.00E 01	5.00E 00	1.00E 00	0.00E-01	0.00E-01	2.00E 01
NW	0.00E-01	8.00E 00	1.50E 01	0.00E-01	0.00E-01	0.00E-01	2.30E 01
NNW	0.00E-01	8.00E 00	1.00E 01	2.00E 00	0.00E-01	0.00E-01	2.00E 01
TOT	4.00E 00	1.00E 02	1.58E 02	3.50E 01	4.00E 00	5.00E 00	3.07E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 1.000E 00

Table F5.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA, QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS - 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 8678:00 HRS - 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : C  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	1.00E 00	6.00E 00	1.00E 00	0.00E-01	0.00E-01	8.00E 00
NNE	1.00E 00	1.00E 00	4.00E 00	2.00E 00	0.00E-01	0.00E-01	8.00E 00
NNE	2.00E 00	4.00E 00	1.60E 01	7.00E 00	0.00E-01	0.00E-01	2.00E 01
ENE	0.00E-01	7.00E 00	7.00E 00	3.00E 00	0.00E-01	0.00E-01	1.70E 01
E	0.00E-01	5.00E 00	8.00E 00	5.00E 00	0.00E-01	0.00E-01	1.80E 01
ESE	1.00E 00	3.00E 00	1.10E 01	3.00E 00	0.00E-01	0.00E-01	1.80E 01
SE	0.00E-01	1.40E 01	2.00E 01	2.00E 00	0.00E-01	0.00E-01	3.60E 01
SSE	1.00E 00	4.00E 00	1.20E 01	0.00E-01	0.00E-01	0.00E-01	1.70E 01
S	0.00E-01	7.00E 00	5.00E 00	0.00E-01	0.00E-01	0.00E-01	1.20E 01
SSW	1.00E 00	1.40E 01	2.50E 01	1.00E 00	0.00E-01	0.00E-01	4.10E 01
SW	3.00E 00	3.00E 00	1.60E 01	6.00E 00	5.00E 00	0.00E-01	3.30E 01
WSW	0.00E-01	1.00E 01	2.00E 01	0.00E 00	2.00E 00	0.00E-01	4.00E 01
W	1.00E 00	1.60E 01	2.00E 01	1.30E 01	3.00E 00	0.00E-01	5.50E 01
WNW	1.00E 00	1.40E 01	0.00E 00	4.00E 00	2.00E 00	0.00E-01	7.30E 01
WW	0.00E-01	1.50E 01	7.00E 00	1.00E 00	2.00E 00	0.00E-01	2.50E 01
WNW	1.00E 00	0.00E 00	1.20E 01	2.00E 00	0.00E-01	0.00E-01	2.30E 01
TOT	1.30E 01	1.20E 02	1.95E 02	5.00E 01	1.40E 01	0.00E-01	4.88E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 1.000E 00

Table F5.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER 3 \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 3673:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : D  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	4.00E 00	4.20E 01	4.80E 01	1.30E 01	0.00E-01	0.00E-01	1.12E 02
NNE	6.00E 00	3.50E 01	6.70E 01	1.90E 01	0.00E-01	0.00E-01	1.28E 02
NE	0.00E-01	3.40E 01	1.65E 02	1.27E 02	2.00E 00	1.00E 00	3.29E 02
ENE	8.00E 00	3.10E 01	1.00E 02	5.70E 01	1.10E 01	0.00E-01	2.15E 02
E	1.00E 00	3.80E 01	3.20E 01	2.50E 01	3.00E 00	0.00E-01	9.93E 01
ESE	0.00E 00	3.70E 01	4.70E 01	1.90E 01	3.00E 00	0.00E-01	1.14E 02
SE	1.50E 01	5.80E 01	6.70E 01	2.10E 01	2.00E 00	0.00E-01	1.54E 02
SSE	1.00E 01	6.30E 01	9.90E 01	1.30E 01	1.00E 00	0.00E-01	1.66E 02
S	2.00E 00	7.50E 01	7.70E 01	7.00E 00	0.00E-01	0.00E-01	1.61E 02
SSW	7.00E 00	9.40E 01	1.35E 02	1.10E 01	4.00E 00	0.00E-01	2.51E 02
SW	1.50E 01	6.80E 01	7.90E 01	5.00E 01	1.10E 01	4.00E 00	2.27E 02
WSW	1.30E 01	1.02E 02	1.35E 02	8.20E 01	1.30E 01	0.00E-01	3.46E 02
W	1.50E 01	7.90E 01	8.30E 01	2.50E 01	9.00E 00	1.00E 00	2.12E 02
WNW	1.40E 01	7.20E 01	7.40E 01	3.20E 01	4.00E 00	2.00E 00	1.98E 02
WV	7.00E 00	7.90E 01	5.30E 01	2.90E 01	5.00E 00	0.00E-01	1.73E 02
NW	5.00E 00	6.80E 01	7.20E 01	1.20E 01	0.00E-01	0.00E-01	1.57E 02
TOT	1.31E 02	9.76E 02	1.34E 03	5.47E 02	6.89E 01	6.60E 00	3.07E 03

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 3.000E 00

Table F5.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER 9 \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 2676:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : E  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.60E 01	6.30E 01	2.00E 01	1.20E 01	0.00E-01	0.00E-01	1.16E 02
NNE	1.10E 01	4.10E 01	2.70E 01	4.00E 00	0.00E-01	0.00E-01	8.30E 01
NE	5.00E 00	2.50E 01	4.20E 01	1.50E 01	1.00E 00	0.00E-01	8.90E 01
NNE	3.00E 00	2.50E 01	1.50E 01	1.00E 00	2.00E 00	0.00E-01	4.80E 01
E	7.00E 00	2.70E 01	3.10E 01	2.10E 01	2.00E 00	0.00E-01	8.80E 01
ESE	5.00E 00	2.30E 01	2.40E 01	1.70E 01	3.00E 00	0.00E-01	7.20E 01
SE	5.00E 00	2.90E 01	4.00E 01	2.00E 00	0.00E-01	0.00E-01	8.30E 01
SSE	5.00E 00	3.40E 01	3.20E 01	1.40E 01	2.00E 00	0.00E-01	8.70E 01
S	2.10E 01	8.50E 01	7.50E 01	1.40E 01	2.00E 00	1.00E 00	1.96E 02
SSW	2.90E 01	1.87E 02	1.11E 02	7.00E 00	0.00E-01	5.00E 00	3.39E 02
SW	3.90E 01	1.34E 02	8.30E 01	1.20E 01	2.00E 00	3.00E 00	2.73E 02
WSW	4.30E 01	1.39E 02	4.10E 01	7.00E 00	2.00E 00	3.00E 00	2.35E 02
W	5.30E 01	1.08E 02	4.70E 01	5.00E 00	0.00E-01	1.00E 00	2.14E 02
WNW	3.20E 01	8.60E 01	3.40E 01	8.00E 00	2.00E 00	2.00E 00	1.71E 02
W	2.40E 01	7.90E 01	1.00E 01	7.00E 00	0.00E-01	0.00E-01	1.20E 02
WNW	1.90E 01	6.70E 01	8.00E 00	3.00E 00	0.00E-01	0.00E-01	9.70E 01
TOT	3.17E 02	1.16E 03	6.41E 02	1.56E 02	1.80E 01	2.20E 01	2.31E 03

PERIODS OF CALM(HOURS): 4.000E 00  
 HOURS OF INVALID DATA : 0.000E-01



Table F5.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 8578:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : F  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.20E 01	3.40E 01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.70E 01
NNE	4.00E 00	8.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.20E 01
NE	1.00E 00	1.00E 00	6.00E 00	2.00E 00	0.00E-01	0.00E-01	1.00E 01
ENE	0.00E-01	1.00E 00	5.00E 00	1.00E 00	1.00E 00	0.00E-01	8.00E 00
E	0.00E-01	0.00E-01	1.40E 01	3.00E 00	2.00E 00	0.00E-01	1.90E 01
ESE	3.00E 00	9.00E 00	9.00E 00	1.00E 00	0.00E-01	0.00E-01	2.20E 01
SE	9.00E 00	2.00E 01	1.30E 01	1.00E 00	0.00E-01	0.00E-01	4.30E 01
SSE	1.00E 01	1.50E 01	1.00E 01	1.00E 00	0.00E-01	0.00E-01	3.40E 01
S	1.30E 01	1.00E 01	1.30E 01	8.00E 00	1.00E 00	2.00E 00	5.50E 01
SSW	2.00E 01	5.70E 01	4.10E 01	3.00E 00	0.00E-01	7.00E 00	1.28E 02
SW	2.90E 01	3.40E 01	1.10E 01	6.00E 00	1.00E 00	2.00E 00	8.30E 01
WSW	4.10E 01	3.00E 01	7.00E 00	0.00E-01	0.00E-01	1.00E 00	8.70E 01
W	3.60E 01	5.40E 01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	9.20E 01
WNW	2.00E 01	4.80E 01	2.00E 00	0.00E-01	0.00E-01	2.00E 00	7.20E 01
NW	9.00E 00	2.30E 01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	3.30E 01
NNW	2.00E 01	2.40E 01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	4.50E 01
TOT	2.27E 02	3.82E 02	1.34E 02	2.80E 01	5.00E 00	1.40E 01	7.90E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 0.000E-01

Table F5.1 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER 4 \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 0678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : G  
 ELEVATION : 10 METERS

## WIND SPEED(MPH) AT 10 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	1.40E 01	1.10E 01	2.00E 00	2.00E 00	0.00E-01	0.00E-01	2.90E 01
NNE	5.00E 00	0.00E-01	3.00E 00	2.00E 00	0.00E-01	1.00E 00	1.10E 01
NE	0.00E-01	0.00E-01	1.00E 00	0.00E-01	0.00E-01	0.00E-01	1.00E 00
ENE	2.00E 00	0.00E-01	3.00E 00	2.00E 00	2.00E 00	1.00E 00	1.00E 01
E	2.00E 00	2.00E 00	5.00E 00	0.00E-01	1.00E 00	1.00E 00	1.10E 01
ESE	1.00E 00	5.00E 00	5.00E 00	5.00E 00	2.00E 00	1.00E 00	2.40E 01
SE	1.00E 00	3.00E 01	8.00E 00	5.00E 00	1.00E 00	0.00E-01	5.50E 01
SSE	6.00E 00	2.40E 01	7.00E 00	2.00E 00	3.00E 00	3.00E 00	4.50E 01
S	4.00E 00	1.30E 01	7.00E 00	1.00E 00	0.00E-01	5.00E 00	3.00E 01
SSW	1.60E 01	1.90E 01	8.00E 00	0.00E-01	0.00E-01	2.10E 01	6.40E 01
SW	1.10E 01	8.00E 00	2.00E 00	0.00E-01	0.00E-01	1.00E 01	3.10E 01
WSW	8.00E 00	1.00E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	1.80E 01
W	2.50E 01	1.40E 01	0.00E-01	0.00E-01	0.00E-01	1.00E 00	4.10E 01
WNW	1.90E 01	8.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.70E 01
W	2.10E 01	1.10E 01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	3.20E 01
WNW	4.20E 01	1.20E 01	1.00E 00	7.00E 00	0.00E-01	0.00E-01	6.20E 01
TOT	1.78E 02	1.00E 02	5.20E 01	2.80E 01	9.00E 00	4.40E 01	4.91E 02

PERIODS OF CALM(HOURS): 2.000E 00  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 7.837E 03 = 90.3% OF TOTAL HOURS

Table 5.2

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 0678:00 HRS - 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : A  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01	0.00E-01
NNE	0.00E-01	0.00E-01	3.00E 00	1.00E 00	0.00E-01	0.00E-01	4.00E 00
NE	0.00E-01	0.00E-01	2.10E 01	1.00E 01	3.00E 00	0.00E-01	3.40E 01
ENE	1.00E 00	9.00E 00	1.30E 01	5.00E 00	0.00E-01	0.00E-01	2.80E 01
E	0.00E-01	0.00E 00	2.50E 01	1.50E 01	3.00E 00	0.00E-01	5.10E 01
ESE	0.00E-01	1.90E 01	3.70E 01	1.40E 01	2.00E 00	0.00E-01	7.20E 01
SE	1.00E 00	1.70E 01	1.60E 01	0.00E-01	0.00E-01	0.00E-01	3.40E 01
SSE	1.00E 00	2.00E 00	1.00E 00	0.00E-01	0.00E-01	0.00E-01	4.00E 00
S	0.00E-01	3.00E 00	5.00E 00	2.00E 00	0.00E-01	0.00E-01	1.00E 01
SSW	1.00E 00	6.00E 00	9.00E 00	1.20E 01	2.00E 00	9.00E 00	3.90E 01
SW	1.00E 00	3.00E 00	6.00E 00	1.00E 01	1.60E 00	3.00E 00	2.40E 01
WSW	0.00E-01	0.00E-01	1.10E 01	1.70E 01	6.00E 00	1.00E 00	3.50E 01
W	0.00E-01	2.00E 00	7.00E 00	2.20E 01	8.00E 00	3.00E 00	4.20E 01
WNW	0.00E-01	1.00E 00	1.20E 01	1.30E 01	2.00E 00	3.00E 00	3.10E 01
W	0.00E-01	3.00E 00	1.20E 01	1.50E 01	1.00E 00	0.00E-01	3.10E 01
NW	0.00E-01	2.00E 00	1.00E 00	7.00E 00	0.00E-01	0.00E-01	1.00E 01
TOT	5.00E 00	7.50E 01	1.79E 02	1.43E 02	2.80E 01	1.90E 01	4.49E 02

PERIODS OF CALM(HOURS): 1.000E 00

HOURS OF INVALID DATA : 0.000E-01

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 0678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : B  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	2.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	2.00E 00
NNE	0.00E-01	1.00E 00	3.00E 00	3.00E 00	1.00E 00	0.00E-01	8.00E 00
NE	0.00E-01	1.00E 00	8.00E 00	7.00E 00	2.00E 00	0.00E-01	1.80E 01
NNE	0.00E-01	1.00E 00	5.00E 00	4.00E 00	0.00E-01	0.00E-01	1.00E 01
E	0.00E-01	1.00E 00	7.00E 00	1.00E 00	4.00E 00	0.00E-01	1.30E 01
ESE	1.00E 00	6.00E 00	1.50E 01	3.00E 00	0.00E-01	0.00E-01	2.50E 01
SE	1.00E 00	4.00E 00	1.10E 01	0.00E-01	0.00E-01	0.00E-01	1.50E 01
SSE	1.00E 00	3.00E 00	0.00E-01	0.00E-01	0.00E-01	0.00E-01	4.00E 00
S	0.00E-01	5.00E 00	5.00E 00	2.00E 00	0.00E-01	0.00E-01	1.20E 01
SSW	0.00E-01	4.00E 00	1.40E 01	2.00E 00	5.00E 00	1.00E 00	3.30E 01
SW	1.00E 00	1.00E 00	7.00E 00	3.00E 00	2.00E 00	1.10E 01	3.50E 01
WSW	0.00E-01	0.00E 00	7.00E 00	4.00E 00	7.00E 00	4.00E 00	2.30E 01
W	0.00E-01	5.00E 00	1.10E 01	1.10E 01	1.00E 01	5.00E 00	4.20E 01
WNW	0.00E-01	2.00E 00	1.30E 01	9.00E 00	1.00E 00	0.00E-01	2.50E 01
W	0.00E-01	4.00E 00	1.50E 01	9.00E 00	0.00E-01	0.00E-01	2.80E 01
WNW	0.00E-01	2.00E 00	1.00E 00	6.00E 00	4.00E 00	0.00E-01	1.30E 01
TOT	4.00E 00	4.80E 01	1.22E 02	7.60E 01	3.60E 01	2.10E 01	3.07E 02

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 1.000E 00

Table 5.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 0678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : C  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2.00E 00	1.00E 00	3.00E 00	2.00E 00	0.00E-01	0.00E-01	8.00E 00:
NNE	0.00E-01	0.00E-01	2.00E 00	4.00E 00	2.00E 00	0.00E-01	8.00E 00:
NE	2.00E 00	2.00E 00	1.10E 01	1.30E 01	3.00E 00	0.00E-01	3.10E 01:
NNE	0.00E-01	6.00E 00	3.00E 00	5.00E 00	1.00E 00	0.00E-01	1.50E 01:
E	0.00E-01	4.00E 00	5.00E 00	5.00E 00	5.00E 00	1.00E 00	2.00E 01:
ESE	1.00E 00	4.00E 00	1.30E 01	6.00E 00	0.00E-01	0.00E-01	2.90E 01:
SE	2.00E 00	1.10E 01	8.00E 00	1.00E 00	0.00E-01	0.00E-01	2.20E 01:
SSE	0.00E-01	5.00E 00	9.00E 00	0.00E-01	0.00E-01	0.00E-01	1.40E 01:
S	0.00E-01	3.00E 00	8.00E 00	4.00E 00	0.00E-01	0.00E-01	1.50E 01:
SSW	1.00E 00	4.00E 00	1.40E 01	1.30E 01	3.00E 00	1.00E 00	3.50E 01:
SW	0.00E-01	3.00E 00	5.00E 00	1.20E 01	5.00E 00	9.00E 00	3.40E 01:
WSW	0.00E-01	6.00E 00	1.20E 01	1.90E 01	8.00E 00	1.00E 01	5.50E 01:
W	0.00E-01	8.00E 00	1.30E 01	1.20E 01	8.00E 00	1.10E 01	5.20E 01:
WNW	1.00E 00	7.00E 00	1.00E 01	2.00E 00	1.00E 00	3.00E 00	2.40E 01:
W	0.00E-01	3.00E 00	1.90E 01	3.00E 00	0.00E-01	2.00E 00	2.70E 01:
NNW	0.00E-01	3.00E 00	8.00E 00	5.00E 00	2.00E 00	0.00E-01	1.80E 01:
TOT	9.00E 00	7.00E 01	1.48E 02	1.05E 02	3.80E 01	3.70E 01	4.00E 02:

PERIODS OF CALM(HOURS): 0.000E-01  
 HOURS OF INVALID DATA : 1.000E 00

Table 5.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1965  
 REPORT END TIME : 0678:00 HRS = 02:00PM DECEMBER 28, 1965  
 STABILITY CLASS : D  
 ELEVATION : 60 METERS

## WIND SPEED(NPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	2.00E 00	8.00E 00	2.60E 01	2.20E 01	8.00E 00	2.00E 00	6.80E 01
NNE	2.00E 00	1.40E 01	4.20E 01	5.10E 01	2.40E 01	0.00E-01	1.33E 02
NE	3.00E 00	1.90E 01	7.00E 01	1.58E 02	6.30E 01	3.00E 00	3.16E 02
ENE	3.00E 00	1.20E 01	8.50E 01	9.50E 01	2.90E 01	1.80E 01	2.43E 02
E	4.00E 00	2.10E 01	2.20E 01	2.90E 01	2.10E 01	1.70E 01	1.14E 02
ESE	1.10E 01	2.30E 01	4.80E 01	3.40E 01	1.10E 01	3.00E 00	1.30E 02
SE	1.20E 01	4.40E 01	6.20E 01	2.50E 01	4.00E 00	2.00E 00	1.49E 02
SSE	7.00E 00	5.30E 01	8.30E 01	1.50E 01	3.00E 00	0.00E-01	1.61E 02
S	4.00E 00	2.90E 01	8.10E 01	3.90E 01	6.00E 00	6.00E 00	1.65E 02
SSW	1.00E 00	2.20E 01	5.90E 01	1.01E 02	3.50E 01	1.50E 01	2.33E 02
SW	4.00E 00	1.60E 01	5.20E 01	7.90E 01	4.50E 01	7.20E 01	2.69E 02
WSW	7.00E 00	2.30E 01	6.80E 01	1.34E 02	5.70E 01	6.50E 01	3.54E 02
W	2.00E 00	3.10E 01	4.00E 01	7.60E 01	3.70E 01	2.30E 01	2.09E 02
WNW	4.00E 00	2.50E 01	6.60E 01	5.50E 01	2.10E 01	3.20E 01	2.03E 02
NW	2.00E 00	1.70E 01	7.30E 01	4.60E 01	1.00E 01	1.10E 01	1.59E 02
NNW	1.00E 00	2.30E 01	7.00E 01	4.40E 01	1.70E 01	0.00E-01	1.55E 02
TOT	6.90E 01	3.80E 02	9.47E 02	1.00E 03	3.92E 02	2.69E 02	3.06E 03

PERIODS OF CALM(HOURS): 1.100E 01  
 HOURS OF INVALID DATA : 3.000E 00

Table 5.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 8678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : E  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	0.00E-01	9.00E 00	2.60E 01	1.70E 01	1.00E 01	2.00E 00	6.40E 01
NNE	1.00E 00	1.30E 01	4.50E 01	3.50E 01	3.00E 00	1.00E 00	9.90E 01
NE	1.00E 00	1.50E 01	3.90E 01	3.50E 01	1.00E 01	0.00E-01	1.00E 02
ENE	4.00E 00	1.30E 01	2.40E 01	2.00E 01	1.00E 00	4.00E 00	7.10E 01
E	5.00E 00	1.10E 01	1.80E 01	2.20E 01	6.00E 00	1.70E 01	7.90E 01
ESE	3.00E 00	1.00E 01	2.50E 01	1.90E 01	6.00E 00	2.10E 01	6.40E 01
SE	3.00E 00	1.80E 01	2.50E 01	2.40E 01	4.00E 00	2.00E 00	7.60E 01
SSE	5.00E 00	2.40E 01	4.30E 01	2.50E 01	6.00E 00	0.00E-01	1.03E 02
S	2.00E 00	1.70E 01	7.30E 01	6.50E 01	2.10E 01	8.00E 00	1.85E 02
SSW	4.00E 00	1.70E 01	9.40E 01	1.00E 02	6.40E 01	1.50E 01	2.55E 02
SW	7.00E 00	1.90E 01	9.00E 01	1.27E 02	5.50E 01	1.70E 01	3.16E 02
WSW	4.00E 00	1.90E 01	9.50E 01	1.35E 02	2.70E 01	6.00E 00	2.66E 02
W	5.00E 00	1.80E 01	7.00E 01	8.60E 01	1.30E 01	3.00E 00	1.95E 02
WNW	3.00E 00	2.80E 01	5.10E 01	4.70E 01	1.90E 01	2.00E 00	1.50E 02
NW	4.00E 00	1.70E 01	6.10E 01	1.50E 01	5.00E 00	2.00E 00	1.04E 02
NNW	1.00E 00	1.10E 01	5.90E 01	1.90E 01	4.00E 00	0.00E-01	9.40E 01
TOT	5.20E 01	2.64E 02	8.30E 02	7.91E 02	2.55E 02	1.01E 02	2.30E 03

PERIODS OF CALM(HOURS): 1.500E 01  
 HOURS OF INVALID DATA : 0.000E-01

Table 5.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER # \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 8678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : F  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
H	1.00E 00	2.00E 00	1.70E 01	1.10E 01	0.00E-01	0.00E-01	3.10E 01
HNH	4.00E 00	4.00E 00	1.50E 01	6.00E 00	0.00E-01	0.00E-01	2.90E 01
HE	2.00E 00	3.00E 00	1.10E 01	3.00E 00	1.00E 00	0.00E-01	2.00E 01
ENE	0.00E-01	4.00E 00	6.00E 00	4.00E 00	1.00E 00	2.00E 00	1.70E 01
E	0.00E-01	1.00E 00	3.00E 00	1.10E 01	1.00E 00	4.00E 00	2.00E 01
ESE	1.00E 00	2.00E 00	4.00E 00	6.00E 00	3.00E 00	1.00E 00	1.70E 01
SE	2.00E 00	1.60E 01	9.00E 00	9.00E 00	0.00E-01	1.00E 00	3.70E 01
SSE	1.00E 00	1.30E 01	1.60E 01	3.00E 00	1.00E 00	0.00E-01	3.40E 01
S	0.00E-01	7.00E 00	1.70E 01	1.40E 01	9.00E 00	1.00E 01	5.70E 01
SSW	4.00E 00	6.00E 00	2.20E 01	2.90E 01	3.50E 01	1.40E 01	1.12E 02
SW	1.00E 00	1.00E 01	2.40E 01	4.50E 01	1.90E 01	3.00E 00	1.07E 02
WSW	4.00E 00	4.00E 00	3.60E 01	3.70E 01	4.00E 00	1.00E 00	8.60E 01
W	2.00E 00	5.00E 00	2.90E 01	4.30E 01	1.00E 00	0.00E-01	8.50E 01
WNW	2.00E 00	4.00E 00	3.50E 01	3.60E 01	2.00E 00	0.00E-01	7.90E 01
NW	0.00E-01	2.00E 00	1.30E 01	1.10E 01	2.00E 00	0.00E-01	2.80E 01
NNW	2.00E 00	9.00E 00	1.00E 01	7.00E 00	0.00E-01	0.00E-01	2.80E 01
TOT	2.60E 01	9.40E 01	2.67E 02	2.80E 02	7.90E 01	4.10E 01	7.87E 02

PERIODS OF CALL(HOURS): 3.000E 00

HOURS OF INVALID DATA : 0.000E-01



Table 5.2 (continued)

REPORT CATEGORY : METEOROLOGICAL DATA. QUARTERLY TOTALS OF HOURS AT  
 : EACH WIND SPEED AND DIRECTION  
 PERIOD OF RECORD : QUARTER 4 \*\*\*  
 REPORT START TIME : 0:00 HRS = 12:00AM JANUARY 1, 1985  
 REPORT END TIME : 8678:00 HRS = 02:00PM DECEMBER 28, 1985  
 STABILITY CLASS : G  
 ELEVATION : 60 METERS

## WIND SPEED(MPH) AT 60 METER LEVEL

	1-3	4-7	8-12	13-18	19-24	>24	TOTAL
N	5.00E 00	5.00E 00	4.00E 00	1.00E 00	0.00E-01	0.00E-01	1.50E 01
NNE	0.00E-01	3.00E 00	1.00E 01	3.00E 00	1.00E 00	0.00E-01	1.70E 01
NE	0.00E-01	1.30E 01	4.00E 00	0.00E-01	0.00E-01	0.00E-01	1.70E 01
ENE	3.00E 00	8.00E 00	0.00E-01	4.00E 00	1.00E 00	3.00E 00	1.90E 01
E	2.00E 00	0.00E 00	2.00E 00	4.00E 00	2.00E 00	2.00E 00	1.80E 01
ESE	1.00E 00	4.00E 00	2.00E 00	3.00E 00	3.00E 00	2.00E 00	1.50E 01
SE	2.00E 00	1.00E 01	1.40E 01	1.30E 01	1.00E 00	5.00E 00	4.50E 01
SSE	4.00E 00	5.00E 00	1.30E 01	1.20E 01	3.00E 00	0.00E-01	3.70E 01
S	3.00E 00	0.00E 00	2.00E 01	3.20E 01	7.00E 00	1.00E 00	6.10E 01
SSW	3.00E 00	1.00E 01	1.10E 01	1.40E 01	2.30E 01	3.00E 00	7.30E 01
SW	0.00E-01	3.00E 00	1.60E 01	2.00E 01	1.30E 01	3.00E 00	5.50E 01
WSW	1.00E 00	5.00E 00	5.00E 00	1.60E 01	0.00E-01	0.00E-01	2.70E 01
W	0.00E-01	5.00E 00	9.00E 00	1.40E 01	1.00E 00	0.00E-01	2.90E 01
WNW	4.00E 00	3.00E 00	1.00E 01	7.00E 00	0.00E-01	0.00E-01	2.40E 01
NW	2.00E 00	5.00E 00	6.00E 00	4.00E 00	0.00E-01	0.00E-01	1.70E 01
NNW	3.00E 00	3.00E 00	5.00E 00	3.00E 00	8.00E 00	1.00E 00	2.30E 01
TOT	3.30E 01	1.05E 02	1.31E 02	1.40E 02	6.30E 01	2.00E 01	4.92E 02

PERIODS OF CALM(HOURS): 1.000E 00  
 HOURS OF INVALID DATA : 0.000E-01  
 HOURS OF GOOD DATA : 7.837E 03 = 90.3% OF TOTAL HOURS

Table F6.1

Classification of Atmospheric Stability

Class		Defining Conditions
A	extremely unstable	$-0.900 < \Delta T < -0.019$
B	moderately unstable	$-0.019 < \Delta T < -0.017$
C	slightly unstable	$-0.017 < \Delta T < -0.015$
D	neutral	$-0.015 < \Delta T < -0.005$
E	slightly stable	$-0.005 < \Delta T < 0.015$
F	moderately stable	$0.015 < \Delta T < 0.040$
G	extremely stable	$0.040 < \Delta T < 0.900$
	Invalid	$\Delta T < -0.900$ or $\Delta T > 0.900$

$\Delta T$  = temperature difference in Celsius degrees per meter

Rev. 1

Table G1.1  
FERMI 2 PROCESS CONTROL PROGRAM

The Fermi 2 Process Control Program (PCP) covers three distinct processes for solidification or dewatering of radioactive waste. The three processes are described below:

1. For the dewatering of NUS Corporation "TRANSFIX" temporary liquid radwaste system disposable pressure vessels, Fermi 2 will follow the PCP described in the NUS document FI-002 Revision C which was submitted in a letter to the NRC dated October 11, 1984.
2. For the solidification of radioactive waste using the NUS Corporation temporary radwaste solidification system, Fermi 2 will follow the PCP described in the NUS document SS-001 Revision I, with approved Procedure Change Requests (PCR) SS-001/I-1, SS-001/I-2, and SS-001/I-3. Section 9.3, 9.4, 9.5, and 9.7 of this procedure are used.
3. For the solidification of radioactive waste using the Fermi 2 permanent solid radwaste system, Fermi 2 will follow the PCP described in Attachment 1.

The General Supervisor - Radwaste is responsible for the implementation of the Fermi 2 PCP. Nuclear Quality Assurance will audit the solidification and dewatering of radioactive waste including record keeping activities in accordance with QAPR 24.

Recommended: *Craig T. Weber*  
General Supervisor - Radwaste

Noted: *Robert E. Lanett*  
Radchem - Engineer

Approved: *M. J. [Signature] for OSR 11-19-85*  
OSRO Chairman

NOTE: The NUS documents referenced above contain proprietary information, are not published as Fermi 2 documents, and are available only from the General Supervisor, Radwaste.

## REVISION 1 PROCESS CONTROL PROGRAM CHANGES

Reference: SS-001 Rev. I with PCR I-1, I-2, and I-3 by NUS Corp.

1. Steps 9.3.12/9.4.13/9.5.9 were changed in that the requirements to evaluate the test samples for  $\geq 50$ psi compressability is eliminated. NUS testing of more than 50 samples shows that as long as the test solidification cup sample forms a freestanding monolith within the first 24 hours in the oven, it will eventually form a solid product which exceeds the requirements of 10CFR61.
2. Steps 9.3.14/9.4.15/9.5.11 have been changed to require discussion with the NUS project manager for new chemical formulation if initial formulas do not produce an acceptable product, rather than directing one specific alternative.
3. Step 9.4.17 was modified to require the value of water added to the PCP test sample be added to the record of additives for the "Formula Selected." This was an administrative oversight from the previous PCP.
4. Step 9.5.4 was revised to reduce the amount of additional water added. The reason for this change is that recent testing by NUS Corp. performed in accordance with the 10CFR61 test program uses the new water values. NUS submitted additional testing data to the NRC on August 16, 1985 and is now using the most recent chemistry formulation in this PCP revision.
5. Step 9.5.5 was also modified. The method of adding lime to the PCP cup samples has changed. Lime addition is now done by titration only. The practice was used in NUS Corp. testing of the new formulations specified in SS-001, Rev. I.
6. Two steps were eliminated between step 9.5.5 and 9.5.6. The ingredient TCA was eliminated. This step was taken to improve the efficiency of the solidification process. The new formulation was tested in accordance with the NUS Corp. approved 10CFR61 test program, and submitted to the NRC on August 16, 1985.
7. Section 9.7, a new section, has been added to the Process Control Program to provide an additional waste formulation to solidify bead resins. The previous formulation was modified by the changes described in items 1 through 6 above to yield a new formulation for resins.

8. Appendix C, Section II; Appendix D, Section II; and Appendix F, Section II list revised amounts of chemicals which are added to the Process Control Program test samples. This is based on the testing performed by NUS Corp., the results of which were submitted to the NRC on August 16, 1985 by NUS Corp.
9. Additionally, although not part of the Process Control Program, a change was made in the acceptance criteria for the actual waste added. The accuracy was broadened to  $\pm 10\%$ . The change was made because the range of NUS Corp. 10CFR61 qualified chemical formulations has become larger due to additional testing performed by the NUS Corp. These tests were submitted to the NRC on August 16, 1985.

Table G2.1

OFFSITE DOSE CALCULATION MANUAL CHANGE REQUESTChange Requested by: JAMES M. TOLSER Date: 11/5/85Department/Section: NUCLEAR PRODUCTION / RADCHEM

Applicable

Section(s): SECTION 2, FIGURE 2.5-1

Change (Attach Markups to the ODCM, each page shall be numbered and provided with an approval and date box): MODIFICATION OF THE DESCRIPTION OF THE VENTILATION EXHAUST TREATMENT SYSTEM.

Reason for Change/Justification (Include sufficiently detailed information to totally support the rationale for the change and appropriate analyses or evaluations justifying the change. Attach additional sheets if necessary):

THE MODIFICATION OF THE DESCRIPTION OF THE VENTILATION EXHAUST TREATMENT SYSTEM IS NECESSARY TO ACCURATELY DESCRIBE THE DESIGN OF THE EXISTING SYSTEM. THIS CHANGE DOES NOT AFFECT THE METHODOLOGY FOR THE CALCULATION OF OFFSITE DOSE. SEE ATTACHED DRAWINGS FOR A DESCRIPTION

Technical Review Performed by: R.I. Anderson Date: 11-5-85

The Radchem Engineer has determined, as evidenced by his signature below, that this change does not result in a reduction of the accuracy or reliability of dose calculations or setpoint determinations.

Approved by: R. E. Luff Date: 11/27/85  
Radchem Engineer

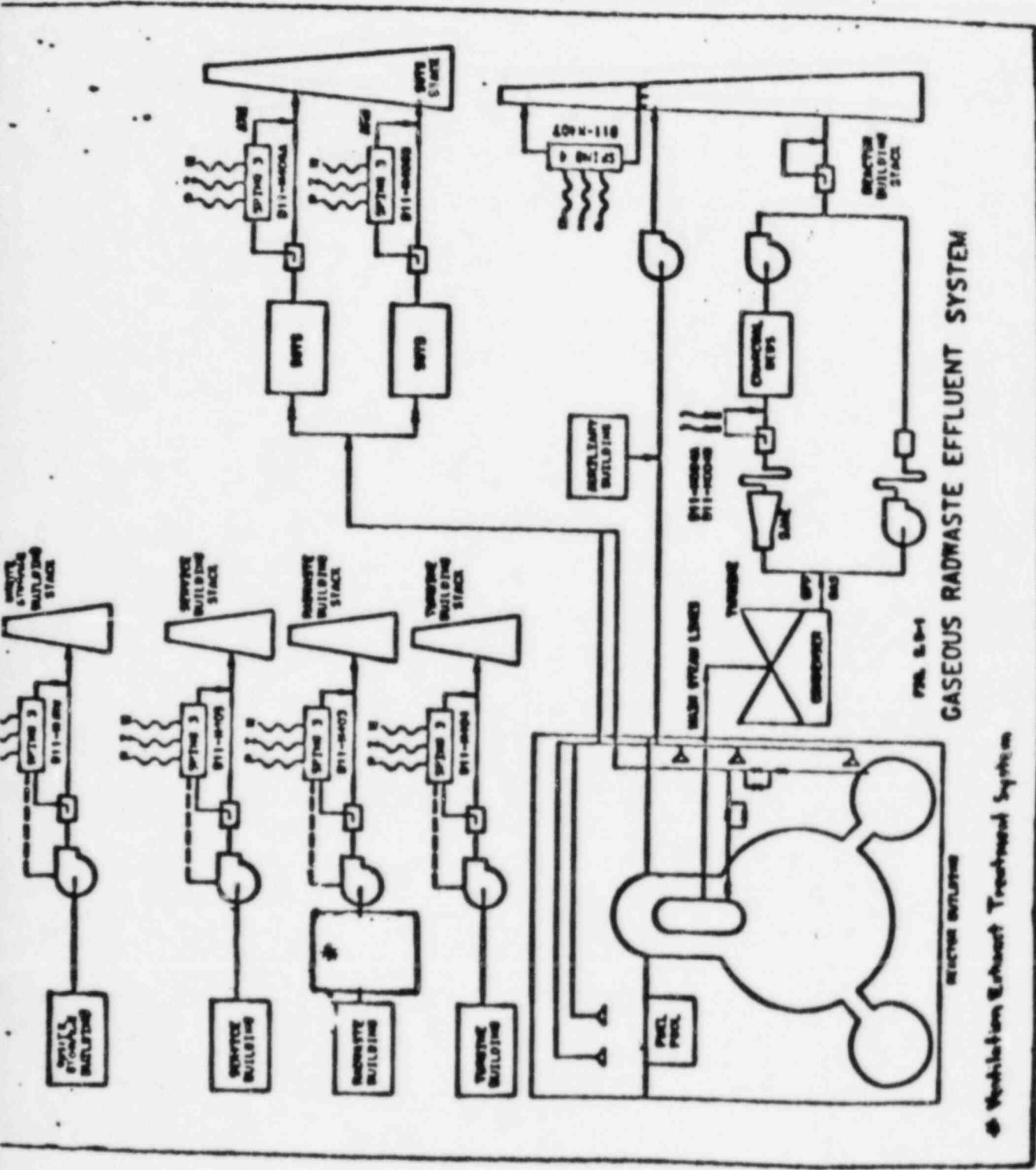
Recommended by: P. Leman Date: 11/27/85  
OSRO Chairman

Approved by: P. Leman Date: 11/27/85  
Assistant Manager-Nuclear Production

The Assistant Manager-Nuclear Production shall also approve each page of the attached markups of the ODCM.

Table G2.1 (continued)

FIGURE 2.5-1 Gaseous Radwaste Effluent System



3004, Fermi-2  
2673W/0051W, 05/24/84

2.0-73

APPROVAL: *P. H. ...*  
DATE: *11/27/85*

