

NINE MILE POINT NUCLEAR STATION

RADIOACTIVE EFFLUENT RELEASE

SEMI-ANNUAL REPORT

JULY - DECEMBER 1984

DOCKET NO.: 50-220

LICENSE NO.: DPR-63

NIAGARA MOHAWK POWER CORPORATION

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NINE MILE POINT NUCLEAR STATION  
RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT  
JULY - DECEMBER 1984

SUPPLEMENTAL INFORMATION

Facility: Nine Mile Point Unit #1

Licensee: Niagara Mohawk Power Corporation

1. Regulatory Limits

a) Fission and activation gases:

The release rate limit of noble gases from the site shall be:

$$\sum_i [Q'_{is}(1.6\bar{E}_i + 0.3\bar{E}_{i\beta}) + Q_{is}(2.7\bar{E}_i + 0.5\bar{E}_{i\beta}) + Q_{iv}(11.0\bar{E}_i + 24.0\bar{E}_{i\beta})] \leq 1$$

where  $Q'_{is}$  = release rate from Nine Mile Point Unit 1 main stack in Ci/sec (as elevated release)

$Q_{is}$  = release rate from the FitzPatrick main stack in Ci/sec (as elevated release)

$Q_{iv}$  = release rate from the FitzPatrick vents in Ci/sec (ground release)

$i$  = the individual nuclide

$\bar{E}$  = the average gamma energy per disintegration

$\bar{E}_{\beta}$  = the average beta energy per disintegration

b&c) Iodines and particulates, half lives > 8 days:

The release rate limit of all radionuclides and radioactive materials in particulate form with half-lives greater than eight days, released to the environs as part of the gaseous wastes from the site shall be:

$$1.2 \times 10^4 (Q'_s + 0.08 Q_s + 5.5 Q_v) \leq 1$$

where  $Q'_s$  = release rate from Nine Mile Point Unit 1 main stack in Ci/sec (as elevated release)

$Q_s$  = release rate from the Fitzpatrick main stack in Ci/sec (as elevated release)

$Q_v$  = release rate from the FitzPatrick vents in Ci/sec (ground release)



d) Liquid Effluents:

1. Controlled in accordance with Appendix B, Table II Column 2, of 10 CFR 20 and Note 1 thereto.
2. Not to exceed 10 Ci/calendar quarter (excluding tritium and dissolved gases).
3. Not to exceed 20 Ci/12 consecutive months (excluding tritium and dissolved gases).

2. Maximum Permissible Concentrations

a) Fission and activation gases:

None specified

b&c) Iodines and particulates, half lives > 8 days:

None specified

d) Liquid Effluents:

10CFR 20, Appendix B, Table II, Column 2.

AVE MPC (July-September) = no discharges

AVE MPC (October - December) = no discharges

3. Average Energy (Fission and activation gases - Mev)

July - Sept.  $\bar{E} = 0.649$ ;  $\bar{E}_\beta = 0.473$   
Oct - Dec.  $\bar{E} = 0.396$ ;  $\bar{E}_\beta = 0.527$

4. Measurements and Approximations of Total Radioactivity

Provide the methods used to measure or approximate the total radioactivity in effluents and the methods used to determine radionuclide composition.

- a) Fission and activation gas: On-line isotopic monitoring (intrinsic germanium crystal) or gross activity monitoring (calibrated against isotopic analysis of a 4.0L Marinelli sample) of an isokinetic sample stream.
- b) Iodines: Isotopic analysis (at least weekly) of charcoal cartridges manually or automatically sampled from an isokinetic sample stream.
- c) Particulates: Isotopic analysis (at least weekly) of particulate filters manually or automatically sampled from an isokinetic sample stream.
- d) Liquid Effluents: Isotopic Analysis (GeLi) of a representative sample of each batch.



## 5. Batch Releases

Provide the following information relating to batch releases of radioactive materials in liquid and gaseous effluents.

### a) Liquid

1. Number of batch releases: 0
2. Total time period for batch releases: 0 hours 0 min.
3. Maximum time period for a batch release: 0 hours 0 min.
4. Average time period for a batch release: 0 hours 0 min.
5. Minimum time period for a batch release: 0 hours 0 min.
6. Average stream flow during period of release of effluent into a flowing stream: Not Applicable

### b) Gaseous

Not applicable

## 6. Abnormal Releases

a. Liquids - none

b. Gaseous - none





TABLE 1A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1984)  
 NINE MILE POINT NUCLEAR STATION #1  
 GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	<u>UNIT</u>	<u>3rd</u> <u>QUARTER</u>	<u>4th</u> <u>QUARTER</u>	<u>EST. TOTAL</u> <u>ERROR, %</u>
<b>A. <u>Fission &amp; Activation gases</u></b>				
1. Total release	Ci	2.62E+02	1.73E+02	2.5E+01
2. Average release rate for period	μCi/sec	3.30E+01	2.18E+01	
3. Percent of Technical Specification limit	%	*	*	
<b>B. <u>Iodines</u></b>				
1. Total iodine-131	Ci	8.74E-04	1.75E-03	2.0E+01
2. Average release rate for period	μCi/sec	1.10E-04	2.20E-04	
3. Percent of Technical Specification limit	%	*	*	
<b>C. <u>Particulates</u></b>				
1. Particulates with half- lives >8 days	Ci	1.55E-03	1.72E-03	2.0E+01
2. Average release rate for period	μCi/sec	1.95E-04	2.16E-04	
3. Percent of Technical Specification limit	%	*	*	
4. Gross alpha radio- activity	Ci	1.74E-05	1.46E-05	2.5E+01
<b>D. <u>Tritium</u></b>				
1. Total release	Ci	7.66E+00	1.31E+01	2.0E+01
2. Average release rate for period	μCi/sec	9.64E-01	1.65E-00	
3. Percent of Technical Specification limit	%	None Specified		
<b>E.* Percent of Technical Specification Limits</b>				
<u>Fission and activation gases:</u>				
1. NMP-1 elevated release	%	3.89E-03	1.72E-03	
2. JAF elevated release	%	8.83E-02	1.68E-01	
3. JAF ground-level release	%	5.85E-02	1.55E-02	
4. Total Site Release	%	1.51E-01	1.85E-01	
<u>Halogens and particulates with half-lives greater than 8 days:</u>				
5. NMP-1 elevated release	%	3.65E-04	5.24E-04	
6. JAF elevated release	%	5.41E-05	4.63E-04	
7. JAF ground-level release	%	2.32E-02	4.82E-03	
8. Total Site Release	%	2.36E-02	5.81E-03	



TABLE 1A (Corrections)

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1984)  
NINE MILE POINT NUCLEAR STATION #1  
CORRECTIONS TO PREVIOUS REPORTS

A calculational error was uncovered in gaseous tritium data reported in Table 1A of previous Semi-Annual Reports. Affected changes are as follows:

<u>Parameter</u>	<u>Period</u>	Previously Reported <u>Result</u>	Revised <u>Result</u>
Tritium released, Ci	Oct.-Dec., 1983	6.62E-00	1.32E+01
Tritium released, Ci	Jan.-Mar., 1984	5.77E+00	1.17E+01
Tritium released, Ci	Apr.-June, 1984	1.32E+00	3.91E+00
Tritium release rate, $\mu\text{Ci/sec}$	Oct.-Dec., 1983	8.33E-01	1.66E+00
Tritium release rate, $\mu\text{Ci/sec}$	Jan.-Mar., 1984	7.34E-01	1.49E+00
Tritium release rate, $\mu\text{Ci/sec}$	Apr.-June, 1984	1.68E-01	4.97E-01

These changes are of no significant consequence since average release concentrations for the affected periods are below 10CFR20, Table II, Column I limits.



TABLE 1B

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1984)  
 NINE MILE POINT NUCLEAR STATION #1  
 GASEOUS EFFLUENTS-ELEVATED RELEASE

		CONTINUOUS MODE	
	<u>Unit</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
Nuclides Released			
1. <u>Fission Gases</u>			
krypton 85m	Ci	2.44E+01	2.56E+00
krypton 87	Ci	--	--
krypton 88	Ci	2.34E+01	2.20E-01
xenon 133	Ci	7.80E+01	7.35E+01
xenon 135	Ci	1.40E+01	1.63E+01
xenon 135m	Ci	9.20E+00	8.07E+00
xenon 137	Ci	2.36E+01	2.98E+01
xenon 138	Ci	8.89E+01	3.85E+01
argon 41	Ci	--	4.46E+00
2. <u>Iodines</u>			
iodine 131	Ci	8.74E-04	1.75E-03
iodine 133	Ci	4.23E-03	8.85E-03
iodine 135	Ci	1.44E-02	<3.31E-02
3. <u>Particulates</u>			
strontium 89	Ci	7.24E-04	3.53E-04
strontium 90	Ci	1.83E-06	1.35E-06
cesium 134	Ci	--	6.74E-06
cesium 137	Ci	2.08E-04	4.61E-04
cobalt 60	Ci	5.36E-04	7.35E-04
cobalt 58	Ci	--	--
manganese 54	Ci	--	1.12E-05
barium-lanthanum 140	Ci	8.32E-05	1.31E-04
antimony 125	Ci	--	--
niobium 95	Ci	--	--
cerium 141	Ci	--	--
cerium 144	Ci	--	--
iron 59	Ci	--	--
cesium 136	Ci	--	--
chromium 51	Ci	--	--
zinc 65	Ci	--	2.25E-05



TABLE 2A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1984)  
NINE MILE POINT NUCLEAR STATION #1  
LIQUID EFFLUENTS-SUMMATION OF ALL RELEASES

July-December

There were no liquid effluent releases from the Nine Mile Point Nuclear Station Unit #1 during the period July-December 1984.





TABLE 3A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1984)  
NINE MILE POINT NUCLEAR STATION #1  
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Off-Site for Burial or Disposal (Not irradiated fuel)

1. <u>Class of Waste</u>	<u>July-December</u>	<u>Est.Total Error, %</u>
a. <u>Class A</u>		
Compacted Trash		
m <sup>3</sup>	2.11E+02	
Ci	9.29E-01	3.0E+01
Solidification Agent	None	
Container	Strong Tight Box	
Package	LSA	
Principle Isotopes	Co-60, Cs-137, Cs-134	
Evaporator Bottoms		
m <sup>3</sup>	3.53E+01	
Ci	4.84E-01	2.5E+01
Solidification Agent	Cement	
Container	Steel Liner	
Package	Type A	
Principle Isotopes	Co-60, Cs-137, Cs-134	
Spent Resins		
m <sup>3</sup>	1.50E+01	
Ci	4.48E-01	2.5E+01
Solidification Agent	Dewatering	
Container	Plastic	
Package	Type A	
Principle Isotopes	Co-60, Cs-137, Cs-134	
Internally Contaminated		
m <sup>3</sup>	3.47E+01	
Ci	4.43E-02	3.0E+01
Solidification Agent	None	
Container	Strong Tight Container	
Package	LSA	
Principle Isotopes	Co-60, Cs-137	



TABLE 3A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1984)  
 NINE MILE POINT NUCLEAR STATION #1  
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
 (Continued)

b. <u>Class B</u>	<u>July-December</u>	<u>Est. Total error, %</u>
Evaporator Bottoms		
m <sup>3</sup>	2.53E+01	
Ci	8.22E+01	2.5E+01
Solidification Agent	Cement	
Container	Steel Liner	
Package	Type A	
Principle Isotopes	Co-60, Cs-137, Cs-134	
Filter Media		
m <sup>3</sup>	4.76E+00	
Ci	7.21E+01	2.5E+01
Solidification Agent	Dewatered	
Container	Plastic HIC	
Package	Type A	
Principle Isotopes	Co-60, Cs-137, Mn-54	
Filter Media		
m <sup>3</sup>	1.01E+01	
Ci	3.02E+01	2.5E+01
Solidification Agent	Cement	
Container	Steel Liner	
Package	Type A	
Principle Isotopes	Co-60, Cs-137, Mn-54	
Spent Resin		
m <sup>3</sup>	9.51E 00	
Ci	2.31E+02	2.5E+01
Solidification Agent	Dewatered	
Container	HIC	
Package	Type A	
Principle Isotopes	Co-60, Cs-137, Cs-134	
c. <u>Class C</u>		
None		



TABLE 3A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1984)  
 NINE MILE POINT NUCLEAR STATION #1  
 SOLID WASTE AND IRRADIATED FUEL SHIPMENTS  
 (Continued)

2. Estimate of Major Nuclide Composition (by Type of Waste)

## a. Evaporator Bottoms - Resins - Filter Sludges

Cobalt - 60	%	8.75E+01
Cesium - 137	%	1.04E+01
Manganese - 54	%	5.50E-01
Cesium - 134	%	4.59E-01
Nickel - 63	%	3.67E-01
Strontium - 90	%	2.75E-01
Cobalt - 58	%	1.83E-01
Chromium - 51	%	1.83E-01
Other	%	8.30E-02

## b. Dry Compressible Waste

Cobalt - 60	%	5.63E+01
Cesium - 137	%	3.42E+01
Cesium - 134	%	3.27E+00
Manganese - 54	%	1.97E+00
Nickel - 63	%	1.55E+00
Strontium - 90	%	1.22E+00
Tritium - 3	%	8.44E-01
Cobalt - 58	%	5.50E-01
Other	%	9.60E-02

## c. Irradiated &amp; Contaminated Components (Feedwater Heat Exchangers)

Co-60	%	9.76E+01
Cs-137	%	2.40E+00

3. Solid Waste Disposition

<u>Number of Shipments</u>	<u>Mode</u>	<u>Destination</u>
34	Truck	Chem-Nuclear Systems Barnwell, South Carolina

B. Irradiated Fuel Shipments (Disposition)

<u>Number of Shipments</u>	<u>Mode</u>	<u>Destination</u>
None	--	--



TABLE 4A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1984)  
NINE MILE POINT NUCLEAR STATION #1  
HOURS AT EACH WIND SPEED AND DIRECTION

July-December

-See Attached Sheets-





\*\*\*\*\* LEGEND \*\*\*\*\*  
 % FREQUENCY OF WIND DIRECTION WITHIN WIND SPEED CATEGORY  
 \*\*\* BY STABILITY \*\*\*

JG120\*

SITE: NINE MILE UPPER: WIND SPEED UPPER - 200FT AEROVANE  
 WIND DIRECTION UPPER - 200FT AEROVANE  
 TEMPERATURE DIFFERENCE - (200-27FT)  
 NINE MILE LOWER: WIND SPEED LOWER - 30FT CUP  
 WIND DIRECTION LOWER - 30FT CUP  
 TEMPERATURE DIFFERENCE - (200-27FT)

STABILITY CLASS: PASQUILL STABILITY CATEGORIES - DEGC/100M

A - EXTREMELY UNSTABLE	LT -1.9
B - MODERATELY UNSTABLE	-1.8 TO -1.7
C - SLIGHTLY UNSTABLE	-1.6 TO -1.5
D - NEUTRAL	-1.4 TO -0.5
E - SLIGHTLY STABLE	-0.4 TO 1.5
F - MODERATELY STABLE	1.6 TO 4.0
G - EXTREMELY STABLE	GT 4.0
ALL - ALL STABILITIES (A-G)	ALL
( ) - ALL WIND	N/A

WIND CLASS: SIX WIND SPEED CATEGORIES - (SEE TABLE HEADINGS) MPH

SIXTEEN WIND DIRECTION CATEGORIES - 22.5 DEG

NOTE: THE DATA CAPTURE STATISTICS ARE GIVEN FOR EACH OF THE NINE CATEGORIES LISTED ABOVE.

CALM WINDS ARE LISTED IN THE 0-3 WIND SPEED CATEGORY.



# NIAGARA HONAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - A

\* FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.1 ( 2)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
NNE	0.2 ( 4)	0.6 ( 11)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.8 ( 15)
NE	0.2 ( 4)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SSE	0.0 ( 0)	0.2 ( 4)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 7)
S	0.1 ( 2)	0.1 ( 2)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
SSW	0.1 ( 1)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 7)
SW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
WSW	0.1 ( 2)	0.2 ( 4)	0.3 ( 6)	0.3 ( 5)	0.0 ( 0)	0.0 ( 0)	0.9 ( 17)
W	0.3 ( 6)	0.5 ( 10)	0.8 ( 16)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	1.9 ( 36)
WNW	0.7 ( 13)	1.5 ( 28)	0.8 ( 15)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	3.0 ( 58)
NW	0.8 ( 15)	1.2 ( 23)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.2 ( 42)
NNW	0.1 ( 2)	0.6 ( 11)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.7 ( 13)
TOTAL	2.7 ( 51)	5.8 ( 110)	2.7 ( 51)	0.5 ( 9)	0.1 ( 2)	0.0 ( 0)	11.7 ( 223)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 255

NUMBER OF MISSING WIND OBSERVATIONS: 32

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - B

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
NNE	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NE	0.2 ( 3)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
SE	0.0 ( 0)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
SSE	0.2 ( 3)	0.2 ( 3)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.5 ( 9)
S	0.0 ( 0)	0.1 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
WSW	0.0 ( 0)	0.2 ( 3)	0.4 ( 8)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.7 ( 13)
W	0.1 ( 1)	0.2 ( 4)	0.3 ( 6)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.8 ( 15)
WNW	0.2 ( 3)	0.4 ( 7)	0.1 ( 1)	0.0 ( 0)	0.2 ( 3)	0.0 ( 0)	0.7 ( 14)
NW	0.0 ( 0)	0.2 ( 3)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NNW	0.2 ( 3)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
TOTAL	0.7 ( 14)	1.5 ( 29)	1.2 ( 23)	0.4 ( 7)	0.2 ( 3)	0.0 ( 0)	4.0 ( 76)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 82

NUMBER OF MISSING WIND OBSERVATIONS: 6

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

STABILITY CLASS - C

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NNE	0.1 ( 1)	0.3 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
NE	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 0)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SSE	0.1 ( 1)	0.2 ( 4)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
S	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SSW	0.1 ( 1)	0.1 ( 2)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
SW	0.1 ( 1)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
WSW	0.0 ( 0)	0.2 ( 3)	0.6 ( 11)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.9 ( 18)
W	0.2 ( 3)	0.4 ( 7)	0.3 ( 6)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.9 ( 17)
WNW	0.1 ( 1)	0.2 ( 4)	0.2 ( 3)	0.1 ( 1)	0.1 ( 1)	0.1 ( 1)	0.6 ( 11)
NW	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
NNW	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)

TOTAL 0.9 ( 17) 1.6 ( 31) 1.3 ( 25) 0.3 ( 6) 0.1 ( 1) 0.1 ( 1) 4.3 ( 81)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 88

NUMBER OF MISSING WIND OBSERVATIONS: 7

NUMBER OF CALM HOURS: 0





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - D

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.2 ( 4)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
NNE	0.3 ( 5)	0.8 ( 15)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.1 ( 20)
NE	0.4 ( 8)	1.4 ( 26)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.9 ( 36)
ENE	0.3 ( 5)	0.4 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
E	0.3 ( 5)	0.3 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.5 ( 10)
ESE	0.2 ( 3)	0.4 ( 7)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 11)
SE	0.1 ( 2)	0.7 ( 13)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.8 ( 16)
SSE	0.3 ( 6)	1.4 ( 27)	0.8 ( 15)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.5 ( 48)
S	0.4 ( 7)	1.5 ( 29)	0.6 ( 11)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	2.5 ( 48)
SSW	0.2 ( 3)	0.5 ( 9)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.1 ( 20)
SW	0.1 ( 2)	0.5 ( 10)	0.4 ( 8)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	1.2 ( 22)
WSW	0.2 ( 3)	0.9 ( 18)	2.2 ( 42)	0.6 ( 12)	0.3 ( 5)	0.0 ( 0)	4.2 ( 80)
W	0.5 ( 9)	0.6 ( 11)	1.3 ( 24)	1.2 ( 22)	1.1 ( 21)	0.1 ( 1)	4.6 ( 88)
NNW	0.3 ( 5)	0.5 ( 10)	1.2 ( 23)	0.4 ( 7)	0.3 ( 5)	0.3 ( 6)	2.9 ( 56)
NW	0.2 ( 4)	0.1 ( 2)	0.6 ( 11)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	1.1 ( 21)
NNW	0.4 ( 7)	0.2 ( 4)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
TOTAL	4.1 ( 78)	10.4 ( 197)	7.7 ( 147)	2.5 ( 48)	1.6 ( 31)	0.4 ( 7)	26.7 ( 508)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 559

NUMBER OF MISSING WIND OBSERVATIONS: 51

NUMBER OF CALM HOURS: 3



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

STABILITY CLASS - E

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.1 ( 2)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
NNE	0.3 ( 6)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.7 ( 14)
NE	1.3 ( 25)	0.8 ( 15)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.2 ( 41)
ENE	0.6 ( 11)	0.4 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.9 ( 18)
E	0.7 ( 13)	0.4 ( 8)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.2 ( 22)
ESE	0.9 ( 17)	0.6 ( 11)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.5 ( 28)
SE	1.2 ( 23)	1.3 ( 24)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.8 ( 53)
SSE	0.7 ( 14)	3.1 ( 59)	1.1 ( 20)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	4.9 ( 93)
S	0.6 ( 11)	2.9 ( 56)	1.6 ( 31)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	5.2 ( 98)
SSW	0.3 ( 6)	1.1 ( 21)	0.7 ( 13)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.1 ( 40)
SW	0.1 ( 1)	1.0 ( 19)	0.8 ( 15)	0.4 ( 7)	0.0 ( 0)	0.0 ( 0)	2.2 ( 42)
WSW	0.3 ( 5)	0.5 ( 9)	1.3 ( 24)	0.3 ( 5)	0.1 ( 1)	0.0 ( 0)	2.3 ( 44)
W	0.1 ( 1)	0.3 ( 5)	0.3 ( 5)	0.7 ( 14)	0.2 ( 3)	0.0 ( 0)	1.5 ( 28)
WNW	0.2 ( 3)	0.2 ( 4)	0.2 ( 4)	0.3 ( 6)	0.2 ( 3)	0.0 ( 0)	1.1 ( 20)
NW	0.0 ( 0)	0.3 ( 6)	0.4 ( 7)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.7 ( 14)
NNW	0.1 ( 2)	0.3 ( 5)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.5 ( 10)
TOTAL	7.4 ( 140)	13.8 ( 263)	6.8 ( 130)	1.7 ( 33)	0.4 ( 7)	0.0 ( 0)	30.1 ( 573)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 633

NUMBER OF MISSING WIND OBSERVATIONS: 60

NUMBER OF CALM HOURS: 10



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

STABILITY CLASS - F

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNE	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
NE	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 3)
ENE	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
E	0.5 ( 10)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
ESE	1.1 ( 21)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.2 ( 23)
SE	0.7 ( 13)	0.5 ( 10)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.2 ( 23)
SSE	0.7 ( 13)	1.3 ( 25)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.1 ( 39)
S	0.6 ( 11)	2.0 ( 38)	0.6 ( 11)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.2 ( 60)
SSW	0.2 ( 4)	0.8 ( 15)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.0 ( 19)
SW	0.0 ( 0)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
WSW	0.0 ( 0)	0.2 ( 3)	0.5 ( 10)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.7 ( 14)
W	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
WNW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.1 ( 2)
NW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNW	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
TOTAL	4.0 ( 77)	5.4 ( 102)	1.2 ( 22)	0.1 ( 2)	0.1 ( 1)	0.0 ( 0)	10.7 ( 204)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 230

NUMBER OF MISSING WIND OBSERVATIONS: 26

NUMBER OF CALM HOURS: 8



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - G

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.3 ( 6)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
ESE	1.1 ( 20)	0.5 ( 10)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.6 ( 30)
SE	1.9 ( 36)	1.7 ( 33)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.6 ( 69)
SSE	1.3 ( 24)	2.7 ( 52)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	4.0 ( 77)
S	0.1 ( 1)	2.4 ( 46)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.5 ( 48)
SSW	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WNW	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 1)
NW	0.0 ( 0)	0.1 ( 1)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
TOTAL	4.6 ( 87)	7.7 ( 146)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	12.5 ( 237)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 258

NUMBER OF MISSING WIND OBSERVATIONS: 21

NUMBER OF CALM HOURS: 3





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

STABILITY CLASS - ALL

\* FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.4 ( 8)	0.9 ( 17)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.3 ( 25)
NNE	0.9 ( 17)	2.2 ( 41)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.0 ( 58)
NE	2.4 ( 45)	2.7 ( 52)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	5.3 ( 100)
ENE	0.9 ( 17)	0.7 ( 14)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.6 ( 31)
E	1.8 ( 35)	0.9 ( 17)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.8 ( 53)
ESE	3.3 ( 62)	1.6 ( 30)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	4.9 ( 93)
SE	3.9 ( 74)	4.4 ( 83)	0.6 ( 11)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	8.8 ( 168)
SSE	3.2 ( 61)	9.1 ( 174)	2.3 ( 44)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	14.7 ( 279)
S	1.7 ( 33)	9.1 ( 173)	3.2 ( 60)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	14.0 ( 267)
SSW	0.8 ( 15)	2.8 ( 53)	1.3 ( 24)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	4.8 ( 92)
SW	0.2 ( 4)	1.8 ( 35)	1.3 ( 25)	0.5 ( 10)	0.0 ( 0)	0.0 ( 0)	3.9 ( 74)
WSW	0.5 ( 10)	2.1 ( 40)	5.3 ( 101)	1.5 ( 29)	0.3 ( 6)	0.0 ( 0)	9.8 ( 186)
W	1.1 ( 20)	2.0 ( 38)	3.0 ( 57)	2.4 ( 46)	1.3 ( 24)	0.1 ( 1)	9.8 ( 186)
WNW	1.3 ( 25)	2.8 ( 54)	2.5 ( 47)	0.7 ( 14)	0.8 ( 15)	0.4 ( 7)	8.5 ( 162)
NW	1.2 ( 22)	1.8 ( 35)	1.3 ( 24)	0.3 ( 5)	0.0 ( 0)	0.0 ( 0)	4.5 ( 86)
NNW	0.8 ( 16)	1.2 ( 22)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.2 ( 42)

TOTAL 24.4 (464) 46.2 ( 878) 21.1 ( 402) 5.5 (105) 2.4 ( 45) 0.4 ( 8) 100.0 (1902)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2105

NUMBER OF MISSING WIND OBSERVATIONS: 203

NUMBER OF CALM HOURS: 24



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	13-18	19-23	>24	TOTAL
N	0.4 ( 8)	0.9 ( 17)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.3 ( 25)
NNE	0.9 ( 17)	2.2 ( 43)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.1 ( 60)
NE	2.3 ( 46)	2.8 ( 56)	0.2 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	5.3 ( 105)
ENE	0.9 ( 17)	0.7 ( 14)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.6 ( 31)
E	1.9 ( 37)	0.9 ( 17)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.8 ( 55)
ESE	3.3 ( 64)	1.5 ( 30)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	4.8 ( 95)
SE	4.2 ( 83)	4.6 ( 90)	0.6 ( 11)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	9.4 ( 184)
SSE	3.2 ( 62)	9.0 ( 178)	2.2 ( 44)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	14.4 ( 284)
S	1.7 ( 33)	9.1 ( 179)	3.2 ( 62)	0.1 ( 1)	0.0 ( 0)	0.0 ( 0)	14.0 ( 275)
SSW	0.8 ( 15)	2.7 ( 53)	1.2 ( 24)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	4.7 ( 92)
SN	0.2 ( 4)	1.8 ( 35)	1.3 ( 25)	0.5 ( 10)	0.0 ( 0)	0.0 ( 0)	3.8 ( 74)
WSW	0.5 ( 10)	2.0 ( 40)	5.1 ( 101)	1.5 ( 30)	0.3 ( 6)	0.0 ( 0)	9.5 ( 187)
W	1.0 ( 20)	1.9 ( 38)	3.0 ( 59)	2.4 ( 48)	1.4 ( 27)	0.1 ( 1)	9.8 ( 193)
WNW	1.3 ( 26)	2.8 ( 56)	2.4 ( 47)	1.3 ( 26)	0.8 ( 16)	0.4 ( 7)	9.0 ( 178)
NW	1.1 ( 22)	1.8 ( 35)	1.2 ( 24)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	4.4 ( 87)
NNW	0.8 ( 16)	1.1 ( 22)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.1 ( 42)
TOTAL	24.4 ( 480)	45.9 ( 903)	20.6 ( 406)	6.2 ( 121)	2.5 ( 49)	0.4 ( 8)	100.0 (1967)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 241

NUMBER OF CALM HOURS: 24



\*\*\*\*\* LEGEND \*\*\*\*\*  
 % FREQUENCY OF WIND DIRECTION WITHIN WIND SPEED CATEGORY  
 \*\*\* BY STABILITY \*\*\*

\*-----JG120\*

SITE: NINE MILE UPPER: WIND SPEED UPPER - 200FT AEROVANE  
 WIND DIRECTION UPPER - 200FT AEROVANE  
 TEMPERATURE DIFFERENCE - (200-27FT)

NINE MILE LOWER: WIND SPEED LOWER - 30FT CUP  
 WIND DIRECTION LOWER - 30FT CUP  
 TEMPERATURE DIFFERENCE - (200-27FT)

STABILITY CLASS: PASQUILL STABILITY CATEGORIES - DEGC/100M

A - EXTREMELY UNSTABLE	LT -1.9
B - MODERATELY UNSTABLE	-1.8 TO -1.7
C - SLIGHTLY UNSTABLE	-1.6 TO -1.5
D - NEUTRAL	-1.4 TO -0.5
E - SLIGHTLY STABLE	-0.4 TO 1.5
F - MODERATELY STABLE	1.6 TO 4.0
G - EXTREMELY STABLE	GT 4.0
ALL - ALL STABILITIES (A-G)	ALL
( ) - ALL WIND	N/A

WIND CLASS: SIX WIND SPEED CATEGORIES - (SEE TABLE HEADINGS) MPH

SIXTEEN WIND DIRECTION CATEGORIES - 22.5 DEG

NOTE: THE DATA CAPTURE STATISTICS ARE GIVEN FOR EACH OF THE NINE CATEGORIES LISTED ABOVE.

CALM WINDS ARE LISTED IN THE 0-3 WIND SPEED CATEGORY.



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - A

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 1)	0.4 ( 9)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
NNE	0.0 ( 1)	0.5 ( 11)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
NE	0.0 ( 0)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.1 ( 3)	0.2 ( 5)
NW	0.0 ( 0)	0.1 ( 3)	0.2 ( 4)	0.1 ( 3)	0.0 ( 1)	0.1 ( 2)	0.6 ( 13)
NNW	0.1 ( 2)	0.1 ( 3)	0.3 ( 6)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	1.0 ( 20)
TOTAL	0.2 ( 4)	1.7 ( 35)	0.5 ( 11)	0.7 ( 15)	0.0 ( 1)	0.3 ( 6)	3.4 ( 72)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 72

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - B

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)
NNE	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NE	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)
SE	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WNW	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)	0.1 ( 2)	0.0 ( 0)	0.3 ( 7)	0.6 ( 12)
NW	0.0 ( 0)	0.0 ( 1)	0.1 ( 3)	0.5 ( 10)	0.0 ( 0)	0.1 ( 3)	0.8 ( 17)
NNW	0.0 ( 0)	0.0 ( 1)	0.1 ( 2)	0.7 ( 15)	0.4 ( 8)	0.0 ( 1)	1.3 ( 27)
TOTAL	0.0 ( 1)	0.2 ( 4)	0.5 ( 11)	1.3 ( 27)	0.4 ( 9)	0.6 ( 12)	3.0 ( 64)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 64

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - C

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
NNE	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
NE	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SE	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)	0.2 ( 5)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)	0.6 ( 12)
WNW	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.1 ( 2)	0.1 ( 3)	0.2 ( 4)	0.5 ( 11)
NW	0.0 ( 0)	0.1 ( 2)	0.3 ( 7)	0.4 ( 8)	0.4 ( 9)	0.0 ( 0)	1.2 ( 26)
NNW	0.0 ( 0)	0.0 ( 1)	0.2 ( 5)	0.1 ( 3)	0.1 ( 3)	0.0 ( 1)	0.6 ( 13)
TOTAL	0.1 ( 2)	0.3 ( 7)	0.7 ( 15)	0.6 ( 13)	0.7 ( 15)	1.0 ( 22)	3.5 ( 74)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 74

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

STABILITY CLASS - D

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	SPEED (MPH)						TOTAL
	00-03	04-07	08-12	13-18	19-23	>24	
N	0.2 ( 4)	0.6 ( 13)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.1 ( 2)	1.1 ( 23)
NNE	0.3 ( 7)	0.7 ( 15)	0.2 ( 4)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	1.3 ( 27)
NE	0.3 ( 6)	1.3 ( 28)	0.7 ( 14)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	2.4 ( 50)
ENE	0.4 ( 8)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.9 ( 18)
E	0.4 ( 8)	1.2 ( 25)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	1.9 ( 39)
ESE	0.3 ( 7)	1.9 ( 40)	1.1 ( 23)	0.1 ( 3)	0.0 ( 0)	0.0 ( 1)	3.5 ( 74)
SE	0.0 ( 1)	2.6 ( 54)	3.2 ( 68)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	6.2 ( 131)
SSE	0.0 ( 1)	1.8 ( 37)	2.9 ( 60)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	5.1 ( 107)
S	0.1 ( 2)	1.4 ( 29)	1.4 ( 29)	0.3 ( 7)	0.0 ( 1)	0.0 ( 0)	3.2 ( 68)
SSW	0.1 ( 3)	1.0 ( 21)	0.9 ( 19)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	2.0 ( 43)
SW	0.0 ( 1)	0.4 ( 8)	1.3 ( 28)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	2.0 ( 43)
WSW	0.0 ( 0)	0.0 ( 1)	0.5 ( 10)	1.0 ( 20)	0.8 ( 16)	1.3 ( 27)	3.5 ( 74)
W	0.0 ( 1)	0.4 ( 9)	0.6 ( 13)	1.6 ( 33)	0.8 ( 16)	2.2 ( 47)	5.7 ( 119)
WNW	0.1 ( 2)	0.8 ( 16)	1.4 ( 30)	1.8 ( 37)	2.5 ( 52)	0.9 ( 18)	7.4 ( 155)
NW	0.2 ( 4)	0.8 ( 16)	1.9 ( 39)	1.4 ( 29)	0.6 ( 12)	0.0 ( 1)	4.8 ( 101)
NNW	0.1 ( 3)	0.5 ( 10)	0.8 ( 16)	0.1 ( 3)	0.0 ( 0)	0.1 ( 2)	1.6 ( 34)
TOTAL	2.8 ( 58)	15.7 ( 331)	17.1 ( 359)	7.5 ( 157)	4.8 ( 101)	4.8 ( 100)	52.5 ( 1106)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 1106

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - E

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.3 ( 6)	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)
NNE	0.3 ( 6)	1.0 ( 22)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.3 ( 28)
NE	0.4 ( 9)	0.6 ( 13)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.0 ( 22)
ENE	0.6 ( 13)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.9 ( 18)
E	0.6 ( 12)	0.5 ( 10)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.0 ( 22)
ESE	0.7 ( 14)	2.3 ( 49)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.4 ( 72)
SE	0.9 ( 18)	2.6 ( 55)	3.1 ( 65)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	6.7 ( 141)
SSE	0.3 ( 6)	2.2 ( 47)	1.0 ( 20)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.5 ( 73)
S	0.4 ( 8)	1.3 ( 28)	1.3 ( 28)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	3.1 ( 66)
SSW	0.0 ( 1)	0.8 ( 16)	0.6 ( 12)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.4 ( 29)
SW	0.1 ( 2)	0.2 ( 5)	0.5 ( 10)	0.7 ( 15)	0.0 ( 0)	0.0 ( 0)	1.5 ( 32)
WSW	0.0 ( 1)	0.4 ( 8)	0.2 ( 5)	0.4 ( 8)	0.2 ( 4)	0.2 ( 4)	1.4 ( 30)
W	0.0 ( 1)	0.1 ( 3)	0.3 ( 6)	0.5 ( 10)	0.1 ( 2)	0.1 ( 3)	1.2 ( 25)
WNW	0.0 ( 0)	0.1 ( 3)	0.1 ( 3)	0.1 ( 3)	0.0 ( 1)	0.1 ( 3)	0.6 ( 13)
NW	0.4 ( 8)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.6 ( 13)
NNW	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
TOTAL	5.0 ( 106)	12.7 ( 268)	7.6 ( 159)	2.0 ( 43)	0.4 ( 8)	0.5 ( 11)	28.3 ( 595)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 595

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

STABILITY CLASS - F

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03		04-07		08-12		SPEED (MPH) 13-18		19-23		>24		TOTAL
N	0.0	( 1)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 1)
NNE	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
NE	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
ENE	0.1	( 3)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.1 ( 3)
E	0.2	( 5)	0.0	( 1)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.3 ( 6)
ESE	0.5	( 10)	0.2	( 5)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.7 ( 15)
SE	0.4	( 9)	0.6	( 12)	0.2	( 5)	0.0	( 0)	0.0	( 0)	0.0	( 0)	1.2 ( 26)
SSE	0.0	( 0)	0.6	( 12)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.6 ( 12)
S	0.1	( 2)	0.6	( 12)	0.1	( 3)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.8 ( 17)
SSW	0.0	( 0)	0.1	( 2)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.1 ( 2)
SW	0.0	( 0)	0.0	( 0)	0.0	( 1)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 1)
WSW	0.0	( 1)	0.2	( 5)	0.1	( 2)	0.1	( 2)	0.0	( 0)	0.0	( 0)	0.5 ( 10)
W	0.0	( 0)	0.0	( 0)	0.1	( 2)	0.1	( 2)	0.0	( 0)	0.0	( 0)	0.2 ( 4)
WNW	0.0	( 1)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 1)
NW	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
NNW	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0 ( 0)
TOTAL	1.5	( 32)	2.3	( 49)	0.6	( 13)	0.2	( 4)	0.0	( 0)	0.0	( 0)	4.7 ( 98)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 98

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

STABILITY CLASS - G

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
ESE	0.5 ( 11)	0.6 ( 13)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.1 ( 24)
SE	0.5 ( 11)	1.0 ( 21)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.5 ( 32)
SSE	0.6 ( 12)	0.7 ( 14)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	1.2 ( 26)
S	0.0 ( 1)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)
SSW	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SW	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
WSW	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
TOTAL	1.8 ( 38)	2.6 ( 55)	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	4.6 ( 96)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 96

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

STABILITY CLASS - ALL

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.6 ( 12)	1.1 ( 24)	0.1 ( 3)	0.2 ( 5)	0.0 ( 0)	0.1 ( 3)	2.2 ( 47)
NNE	0.7 ( 15)	2.3 ( 49)	0.2 ( 5)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	3.3 ( 70)
NE	0.8 ( 17)	2.5 ( 52)	0.7 ( 14)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	4.0 ( 85)
ENE	1.1 ( 24)	0.7 ( 14)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	1.9 ( 39)
E	1.2 ( 26)	1.8 ( 38)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	3.3 ( 70)
ESE	2.0 ( 42)	5.1 ( 108)	1.5 ( 32)	0.1 ( 3)	0.0 ( 1)	0.0 ( 1)	8.9 ( 187)
SE	1.9 ( 39)	6.7 ( 142)	6.7 ( 142)	0.5 ( 11)	0.0 ( 0)	0.0 ( 0)	15.9 ( 334)
SSE	0.9 ( 19)	5.2 ( 110)	3.8 ( 80)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	10.4 ( 218)
S	0.6 ( 13)	3.5 ( 73)	2.9 ( 60)	0.4 ( 9)	0.0 ( 1)	0.0 ( 0)	7.4 ( 156)
SSW	0.2 ( 5)	1.9 ( 39)	1.5 ( 31)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.6 ( 75)
SW	0.2 ( 4)	0.6 ( 13)	1.9 ( 39)	1.0 ( 21)	0.0 ( 0)	0.0 ( 0)	3.7 ( 77)
WSW	0.1 ( 2)	0.7 ( 15)	0.9 ( 18)	1.5 ( 32)	1.0 ( 20)	1.8 ( 37)	5.9 ( 124)
W	0.1 ( 2)	0.6 ( 12)	1.0 ( 21)	2.1 ( 45)	0.9 ( 18)	2.9 ( 62)	7.6 ( 160)
WNW	0.1 ( 3)	1.0 ( 20)	1.8 ( 37)	2.2 ( 46)	2.7 ( 56)	1.7 ( 35)	9.4 ( 197)
NW	0.6 ( 12)	1.1 ( 24)	2.6 ( 54)	2.4 ( 50)	1.1 ( 23)	0.3 ( 7)	8.1 ( 170)
NNW	0.3 ( 6)	0.8 ( 16)	1.4 ( 29)	1.4 ( 30)	0.5 ( 11)	0.2 ( 4)	4.6 ( 96)
TOTAL	11.4 ( 241)	35.6 ( 749)	27.0 ( 569)	12.4 ( 261)	6.4 ( 134)	7.2 ( 151)	100.0 ( 2105)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2105

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.6 ( 13)	1.1 ( 24)	0.1 ( 3)	0.2 ( 5)	0.0 ( 0)	0.2 ( 5)	2.4 ( 50)
NNE	0.7 ( 15)	2.3 ( 49)	0.2 ( 5)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	3.3 ( 70)
NE	0.8 ( 17)	2.5 ( 52)	0.7 ( 14)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	4.0 ( 85)
ENE	1.1 ( 24)	0.7 ( 14)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	1.8 ( 39)
E	1.2 ( 26)	1.8 ( 38)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	3.3 ( 70)
ESE	2.0 ( 42)	5.1 ( 108)	1.5 ( 32)	0.1 ( 3)	0.0 ( 1)	0.0 ( 1)	8.8 ( 187)
SE	1.8 ( 39)	6.7 ( 142)	6.7 ( 142)	0.5 ( 11)	0.0 ( 0)	0.0 ( 0)	15.7 ( 334)
SSE	0.9 ( 19)	5.2 ( 110)	3.9 ( 83)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	10.4 ( 221)
S	0.6 ( 13)	3.4 ( 73)	2.8 ( 60)	0.4 ( 9)	0.0 ( 1)	0.0 ( 0)	7.4 ( 156)
SSW	0.2 ( 5)	1.9 ( 40)	1.5 ( 31)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	3.6 ( 76)
SW	0.2 ( 4)	0.6 ( 13)	1.8 ( 39)	1.0 ( 21)	0.0 ( 0)	0.0 ( 0)	3.6 ( 77)
WSW	0.1 ( 2)	0.7 ( 15)	0.8 ( 18)	1.5 ( 32)	0.9 ( 20)	1.7 ( 37)	5.8 ( 124)
W	0.1 ( 2)	0.6 ( 12)	1.0 ( 21)	2.2 ( 47)	0.9 ( 19)	2.9 ( 62)	7.7 ( 163)
WNW	0.1 ( 3)	1.0 ( 21)	1.8 ( 38)	2.2 ( 46)	2.7 ( 58)	1.6 ( 35)	9.5 ( 201)
NW	0.7 ( 14)	1.1 ( 24)	2.5 ( 54)	2.4 ( 50)	1.1 ( 23)	0.3 ( 7)	8.1 ( 172)
NNW	0.3 ( 6)	0.8 ( 16)	1.4 ( 29)	1.5 ( 31)	0.5 ( 11)	0.2 ( 4)	4.6 ( 97)
TOTAL	11.5 ( 244)	35.4 ( 751)	27.0 ( 573)	12.4 ( 264)	6.5 ( 137)	7.2 ( 153)	100.0 (2122)

FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 86

NUMBER OF CALM HOURS: 0





\*\*\*\*\* LEGEND \*\*\*\*\*  
 % FREQUENCY OF WIND DIRECTION WITHIN WIND SPEED CATEGORY  
 \*\*\* BY STABILITY \*\*\*

JG120\*

SITE: NINE MILE UPPER: WIND SPEED UPPER - 200FT AEROVANE  
 WIND DIRECTION UPPER - 200FT AEROVANE  
 TEMPERATURE DIFFERENCE - (200-27FT)

NINE MILE LOWER: WIND SPEED LOWER - 30FT CUP  
 WIND DIRECTION LOWER - 30FT CUP  
 TEMPERATURE DIFFERENCE - (200-27FT)

STABILITY CLASS: PASQUILL STABILITY CATEGORIES - DEGC/100M

A - EXTREMELY UNSTABLE	LT -1.9
B - MODERATELY UNSTABLE	-1.8 TO -1.7
C - SLIGHTLY UNSTABLE	-1.6 TO -1.5
D - NEUTRAL	-1.4 TO -0.5
E - SLIGHTLY STABLE	-0.4 TO 1.5
F - MODERATELY STABLE	1.6 TO 4.0
G - EXTREMELY STABLE	GT 4.0
ALL - ALL STABILITIES (A-G)	ALL
( ) - ALL WIND	N/A

WIND CLASS: SIX WIND SPEED CATEGORIES - (SEE TABLE HEADINGS) MPH

SIXTEEN WIND DIRECTION CATEGORIES - 22.5 DEG

NOTE: THE DATA CAPTURE STATISTICS ARE GIVEN FOR EACH OF THE NINE CATEGORIES LISTED ABOVE.

CALM WINDS ARE LISTED IN THE 0-3 WIND SPEED CATEGORY.



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - A

\* FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.3 ( 7)	0.4 ( 9)	0.0 ( 1)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	1.1 ( 22)
NNE	0.1 ( 2)	0.5 ( 11)	0.3 ( 6)	0.3 ( 7)	0.0 ( 0)	0.0 ( 0)	1.3 ( 26)
NE	0.0 ( 1)	0.3 ( 6)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.5 ( 10)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SSE	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)	0.4 ( 9)	0.0 ( 1)	0.0 ( 0)	0.6 ( 13)
S	0.0 ( 0)	0.1 ( 2)	0.3 ( 7)	0.2 ( 5)	0.0 ( 1)	0.0 ( 0)	0.7 ( 15)
SSW	0.0 ( 0)	0.3 ( 6)	0.2 ( 4)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.5 ( 11)
SW	0.0 ( 0)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
WSW	0.0 ( 0)	0.1 ( 3)	0.1 ( 2)	0.2 ( 5)	0.1 ( 2)	0.0 ( 0)	0.6 ( 12)
W	0.0 ( 0)	0.3 ( 7)	0.5 ( 10)	0.3 ( 6)	0.1 ( 3)	0.0 ( 0)	1.3 ( 26)
WNW	0.1 ( 3)	0.9 ( 19)	1.0 ( 20)	0.4 ( 8)	0.0 ( 0)	0.0 ( 1)	2.5 ( 51)
NW	0.0 ( 1)	0.7 ( 15)	0.6 ( 12)	0.4 ( 8)	0.0 ( 0)	0.0 ( 1)	1.8 ( 37)
NNW	0.0 ( 0)	0.4 ( 9)	0.6 ( 12)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	1.3 ( 26)
TOTAL	0.7 ( 15)	4.4 ( 90)	3.8 ( 79)	3.0 ( 61)	0.3 ( 7)	0.1 ( 2)	12.3 ( 254)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 255

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 2



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - B

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.1 ( 3)
NNE	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NE	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
ENE	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SE	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.3 ( 6)
SSE	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
S	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.2 ( 5)
SSW	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 1)	0.0 ( 0)	0.2 ( 5)	0.3 ( 7)	0.1 ( 3)	0.0 ( 0)	0.8 ( 16)
W	0.0 ( 1)	0.1 ( 3)	0.1 ( 3)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.4 ( 9)
WNW	0.1 ( 2)	0.2 ( 4)	0.1 ( 3)	0.0 ( 0)	0.1 ( 2)	0.1 ( 3)	0.7 ( 14)
NW	0.0 ( 1)	0.1 ( 3)	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 1)	0.4 ( 9)
NNW	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
TOTAL	0.4 ( 9)	0.9 ( 19)	1.1 ( 22)	0.9 ( 18)	0.4 ( 9)	0.2 ( 4)	3.9 ( 81)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 82

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 1



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - C

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.1 ( 3)
NNE	0.0 ( 0)	0.3 ( 6)	0.0 ( 0)	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.4 ( 9)
NE	0.0 ( 0)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SE	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
SSE	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
S	0.0 ( 0)	0.0 ( 1)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)
SSW	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
WSW	0.0 ( 1)	0.2 ( 5)	0.2 ( 4)	0.5 ( 10)	0.0 ( 0)	0.0 ( 0)	1.0 ( 20)
W	0.0 ( 0)	0.2 ( 4)	0.4 ( 8)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	0.8 ( 17)
NNW	0.0 ( 1)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.0 ( 1)	0.1 ( 2)	0.5 ( 10)
NW	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NNW	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
TOTAL	0.2 ( 4)	1.4 ( 29)	1.3 ( 26)	1.0 ( 20)	0.2 ( 4)	0.1 ( 2)	4.1 ( 85)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 88

NUMBER OF MISSING WIND OBSERVATIONS: 3

NUMBER OF CALM HOURS: 0





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - D

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.2 ( 4)	0.2 ( 5)	0.2 ( 4)	0.1 ( 3)	0.2 ( 5)	0.0 ( 0)	1.0 ( 21)
NNE	0.1 ( 2)	0.1 ( 2)	0.3 ( 6)	0.4 ( 8)	0.4 ( 9)	0.4 ( 9)	1.8 ( 36)
NE	0.2 ( 5)	0.3 ( 6)	0.2 ( 5)	0.3 ( 6)	0.0 ( 1)	0.0 ( 1)	1.2 ( 24)
ENE	0.1 ( 3)	0.0 ( 1)	0.2 ( 4)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.5 ( 11)
E	0.0 ( 1)	0.3 ( 6)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)
ESE	0.0 ( 1)	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)
SE	0.0 ( 0)	0.1 ( 2)	0.4 ( 9)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	0.8 ( 16)
SSE	0.0 ( 0)	0.5 ( 10)	0.6 ( 13)	0.6 ( 12)	0.2 ( 4)	0.0 ( 0)	1.9 ( 39)
S	0.0 ( 1)	0.3 ( 6)	1.0 ( 21)	0.7 ( 14)	0.2 ( 5)	0.0 ( 0)	2.3 ( 47)
SSW	0.0 ( 1)	0.4 ( 8)	0.8 ( 17)	0.6 ( 13)	0.1 ( 2)	0.0 ( 0)	2.0 ( 41)
SN	0.0 ( 0)	0.0 ( 1)	0.3 ( 6)	0.4 ( 9)	0.0 ( 0)	0.0 ( 0)	0.8 ( 16)
SSW	0.0 ( 1)	0.3 ( 6)	1.2 ( 24)	1.5 ( 30)	0.3 ( 7)	0.1 ( 2)	3.4 ( 70)
W	0.2 ( 5)	0.5 ( 11)	1.4 ( 29)	1.0 ( 20)	1.1 ( 22)	0.8 ( 16)	5.0 ( 103)
WNW	0.1 ( 3)	0.4 ( 8)	0.6 ( 13)	0.4 ( 8)	0.4 ( 8)	0.5 ( 11)	2.5 ( 51)
NW	0.0 ( 1)	0.3 ( 6)	0.1 ( 3)	0.4 ( 8)	0.2 ( 5)	0.2 ( 4)	1.3 ( 27)
NNW	0.0 ( 1)	0.1 ( 2)	0.2 ( 4)	0.2 ( 5)	0.1 ( 2)	0.0 ( 1)	0.7 ( 15)
TOTAL	1.4 ( 29)	3.9 ( 81)	7.9 ( 162)	7.0 ( 145)	3.4 ( 70)	2.1 ( 44)	25.8 ( 531)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 559

NUMBER OF MISSING WIND OBSERVATIONS: 28

NUMBER OF CALM HOURS: 6



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - E

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03		04-07		08-12		SPEED (MPH) 13-18		19-23		>24		TOTAL
N	0.2	( 5)	0.2	( 4)	0.1	( 2)	0.2	( 4)	0.1	( 3)	0.2	( 5)	1.1 ( 23)
NNE	0.1	( 2)	0.1	( 3)	0.6	( 12)	0.1	( 3)	0.1	( 2)	0.0	( 1)	1.1 ( 23)
NE	0.1	( 2)	0.4	( 9)	0.4	( 9)	0.1	( 2)	0.0	( 1)	0.0	( 0)	1.1 ( 23)
ENE	0.0	( 1)	0.3	( 7)	0.1	( 2)	0.1	( 3)	0.0	( 0)	0.0	( 0)	0.6 ( 13)
E	0.1	( 2)	0.2	( 4)	0.3	( 6)	0.0	( 1)	0.0	( 0)	0.0	( 0)	0.6 ( 13)
ESE	0.0	( 1)	0.0	( 1)	0.2	( 5)	0.1	( 3)	0.0	( 0)	0.0	( 0)	0.5 ( 10)
SE	0.1	( 3)	0.1	( 3)	0.9	( 19)	0.7	( 14)	0.1	( 3)	0.0	( 0)	2.0 ( 42)
SSE	0.1	( 2)	0.4	( 8)	0.9	( 18)	1.7	( 34)	0.7	( 14)	0.0	( 0)	3.7 ( 76)
S	0.0	( 1)	0.2	( 5)	1.0	( 21)	2.9	( 59)	0.9	( 19)	0.0	( 0)	5.1 ( 105)
SSW	0.0	( 0)	0.3	( 6)	0.7	( 14)	1.8	( 37)	0.2	( 5)	0.0	( 1)	3.1 ( 63)
SW	0.1	( 2)	0.3	( 7)	0.6	( 12)	1.1	( 23)	0.1	( 3)	0.0	( 1)	2.3 ( 48)
WSW	0.0	( 0)	0.2	( 5)	0.9	( 18)	1.1	( 23)	0.8	( 17)	0.3	( 6)	3.4 ( 69)
W	0.1	( 2)	0.1	( 2)	0.5	( 11)	0.4	( 8)	0.3	( 6)	0.2	( 5)	1.7 ( 34)
WNW	0.0	( 1)	0.2	( 4)	0.3	( 7)	0.0	( 1)	0.4	( 8)	0.2	( 4)	1.2 ( 25)
NW	0.1	( 3)	0.2	( 5)	0.2	( 4)	0.2	( 4)	0.4	( 8)	0.1	( 3)	1.3 ( 27)
NNW	0.0	( 0)	0.1	( 3)	0.2	( 4)	0.3	( 7)	0.3	( 6)	0.2	( 5)	1.2 ( 25)
TOTAL	1.3	( 27)	3.7	( 76)	8.0	( 164)	11.0	( 226)	4.6	( 95)	1.5	( 31)	30.1 ( 619)

## FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 633

NUMBER OF MISSING WIND OBSERVATIONS: 14

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

STABILITY CLASS - F

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NNE	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
NE	0.0 ( 0)	0.1 ( 3)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)
ENE	0.1 ( 3)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
E	0.1 ( 2)	0.3 ( 7)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.7 ( 14)
ESE	0.0 ( 0)	0.1 ( 3)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
SE	0.1 ( 2)	0.0 ( 0)	0.2 ( 5)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)
SSE	0.0 ( 0)	0.2 ( 4)	0.1 ( 2)	0.5 ( 10)	0.2 ( 4)	0.0 ( 0)	1.0 ( 20)
S	0.1 ( 2)	0.0 ( 1)	0.3 ( 7)	0.8 ( 16)	0.0 ( 0)	0.0 ( 0)	1.3 ( 26)
SSW	0.0 ( 0)	0.2 ( 5)	0.4 ( 8)	1.3 ( 27)	0.2 ( 5)	0.0 ( 0)	2.2 ( 45)
SW	0.1 ( 2)	0.4 ( 8)	1.0 ( 20)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	1.7 ( 35)
WSW	0.0 ( 1)	0.2 ( 4)	0.9 ( 19)	0.2 ( 5)	0.0 ( 1)	0.0 ( 1)	1.5 ( 31)
W	0.1 ( 3)	0.3 ( 6)	0.0 ( 1)	0.1 ( 2)	0.1 ( 3)	0.0 ( 0)	0.7 ( 15)
WNW	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.2 ( 5)
NW	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NNW	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
TOTAL	1.0 ( 21)	2.5 ( 51)	3.6 ( 74)	3.3 ( 68)	0.6 ( 13)	0.1 ( 2)	11.1 ( 229)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 230

NUMBER OF MISSING WIND OBSERVATIONS: 1

NUMBER OF CALM HOURS: 2



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

## STABILITY CLASS - G

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

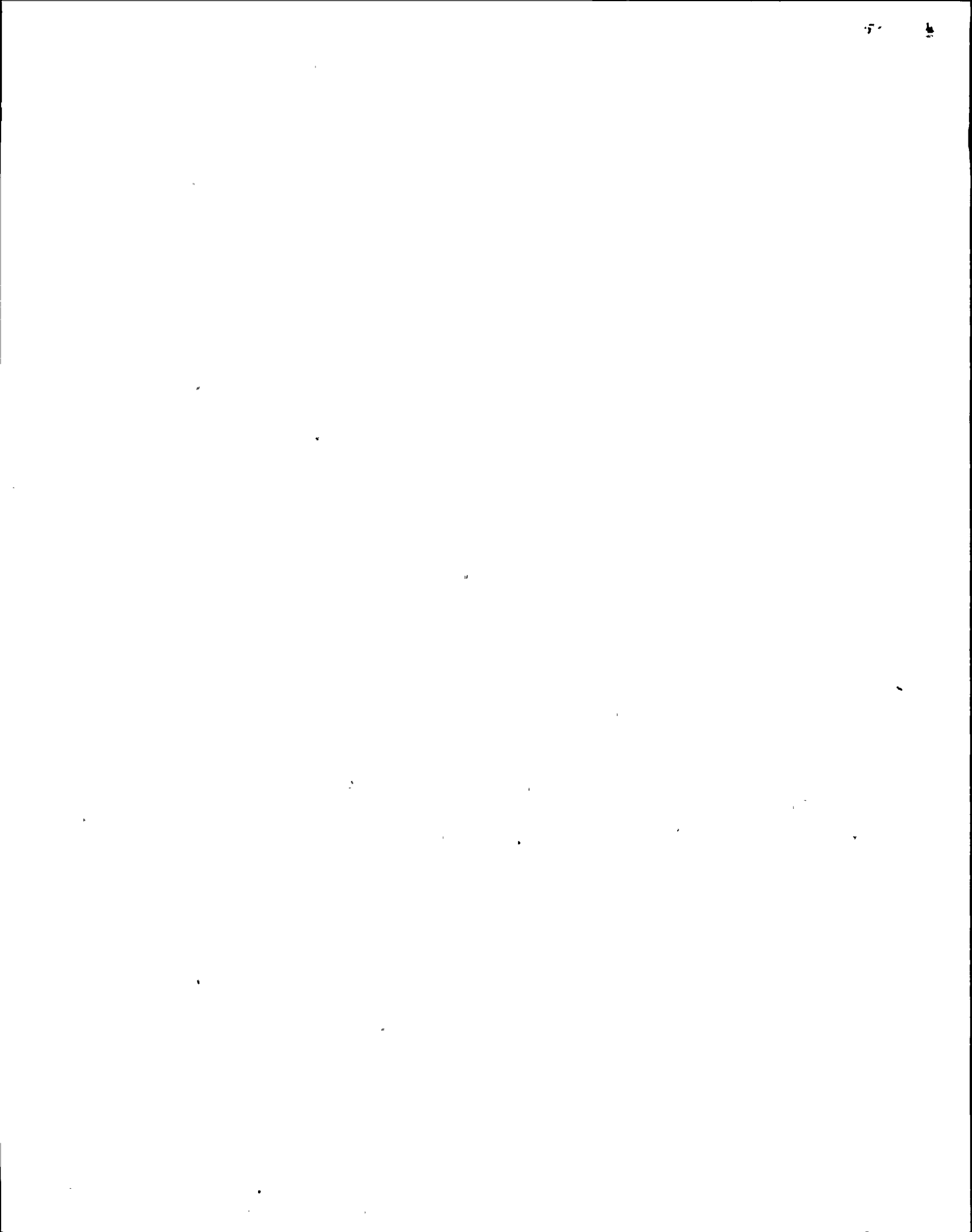
DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NNE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
NE	0.2 ( 4)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 8)
ENE	0.0 ( 1)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 7)
E	0.1 ( 2)	0.0 ( 0)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)
ESE	0.2 ( 4)	0.2 ( 4)	0.4 ( 8)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	1.0 ( 20)
SE	0.1 ( 3)	0.2 ( 4)	0.1 ( 3)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.6 ( 13)
SSE	0.1 ( 2)	0.2 ( 5)	0.2 ( 5)	0.4 ( 8)	0.0 ( 1)	0.0 ( 0)	1.0 ( 21)
S	0.1 ( 2)	0.6 ( 12)	0.6 ( 13)	0.8 ( 17)	0.0 ( 1)	0.0 ( 0)	2.2 ( 45)
SSW	0.1 ( 2)	0.3 ( 7)	0.7 ( 15)	0.6 ( 12)	0.0 ( 0)	0.0 ( 0)	1.8 ( 36)
SW	0.1 ( 2)	0.8 ( 17)	0.9 ( 18)	0.8 ( 17)	0.0 ( 0)	0.0 ( 0)	2.6 ( 54)
WSW	0.2 ( 5)	0.7 ( 15)	0.4 ( 8)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	1.5 ( 30)
W	0.1 ( 3)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
WNW	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
NW	0.0 ( 0)	0.1 ( 3)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)
NNW	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
TOTAL	1.7 ( 35)	3.8 ( 79)	3.8 ( 79)	3.1 ( 63)	0.1 ( 2)	0.0 ( 0)	12.5 ( 258)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 258

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 2





# NIAGARA MOHAWK

OSWEGO

## AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

### STABILITY CLASS - ALL

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.9 ( 19)	1.1 ( 23)	0.3 ( 7)	0.6 ( 12)	0.5 ( 10)	0.2 ( 5)	3.7 ( 76)
NNE	0.4 ( 8)	1.2 ( 25)	1.2 ( 25)	0.9 ( 19)	0.6 ( 13)	0.5 ( 10)	4.9 ( 100)
NE	0.6 ( 12)	1.6 ( 32)	0.9 ( 19)	0.5 ( 10)	0.1 ( 2)	0.0 ( 1)	3.7 ( 76)
ENE	0.4 ( 9)	0.8 ( 17)	0.4 ( 8)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	1.9 ( 40)
E	0.3 ( 7)	0.8 ( 17)	0.8 ( 16)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	2.0 ( 41)
ESE	0.3 ( 6)	0.4 ( 9)	0.9 ( 19)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	2.0 ( 42)
SE	0.4 ( 9)	0.5 ( 11)	2.0 ( 41)	1.3 ( 27)	0.2 ( 4)	0.0 ( 0)	4.5 ( 92)
SSE	0.2 ( 5)	1.3 ( 27)	2.2 ( 46)	3.7 ( 77)	1.2 ( 24)	0.0 ( 0)	8.7 ( 179)
S	0.3 ( 6)	1.4 ( 28)	3.5 ( 73)	5.5 ( 114)	1.3 ( 27)	0.0 ( 0)	12.1 ( 248)
SSW	0.1 ( 3)	1.7 ( 34)	2.9 ( 60)	4.4 ( 91)	0.6 ( 12)	0.0 ( 1)	9.8 ( 201)
SW	0.3 ( 6)	1.8 ( 36)	2.7 ( 56)	2.7 ( 55)	0.1 ( 3)	0.0 ( 1)	7.6 ( 157)
WSW	0.4 ( 9)	1.8 ( 38)	3.9 ( 80)	4.0 ( 82)	1.5 ( 30)	0.4 ( 9)	12.1 ( 248)
W	0.7 ( 14)	1.8 ( 36)	3.0 ( 62)	2.0 ( 42)	1.7 ( 35)	1.0 ( 21)	10.2 ( 210)
WNW	0.6 ( 12)	2.0 ( 41)	2.3 ( 48)	0.8 ( 17)	0.9 ( 19)	1.1 ( 22)	7.7 ( 159)
NW	0.5 ( 10)	1.7 ( 35)	1.2 ( 24)	1.1 ( 22)	0.6 ( 13)	0.4 ( 9)	5.5 ( 113)
NNW	0.2 ( 5)	0.8 ( 16)	1.1 ( 22)	0.9 ( 18)	0.4 ( 8)	0.3 ( 6)	3.6 ( 75)
TOTAL	6.8 ( 140)	20.7 ( 425)	29.5 ( 606)	29.2 ( 601)	9.7 ( 200)	4.1 ( 85)	100.0 ( 2057)

### FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2105

NUMBER OF MISSING WIND OBSERVATIONS: 48

NUMBER OF CALM HOURS: 13



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JULY 1 1984 THROUGH SEPT 30 1984

JG120\*

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.9 ( 19)	1.1 ( 23)	0.3 ( 7)	0.6 ( 12)	0.5 ( 10)	0.2 ( 5)	3.6 ( 76)
NNE	0.4 ( 8)	1.2 ( 25)	1.2 ( 25)	0.9 ( 20)	0.7 ( 15)	0.5 ( 11)	4.9 ( 104)
NE	0.6 ( 12)	1.6 ( 33)	0.9 ( 19)	0.6 ( 12)	0.1 ( 2)	0.0 ( 1)	3.7 ( 79)
ENE	0.4 ( 9)	0.8 ( 17)	0.4 ( 8)	0.3 ( 6)	0.0 ( 0)	0.0 ( 0)	1.9 ( 40)
E	0.3 ( 7)	0.9 ( 19)	0.8 ( 16)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	2.0 ( 43)
ESE	0.3 ( 6)	0.5 ( 11)	0.9 ( 19)	0.4 ( 8)	0.0 ( 0)	0.0 ( 0)	2.1 ( 44)
SE	0.4 ( 9)	0.6 ( 12)	2.0 ( 42)	1.3 ( 27)	0.2 ( 4)	0.0 ( 0)	4.4 ( 94)
SSE	0.2 ( 5)	1.3 ( 27)	2.4 ( 52)	4.1 ( 87)	1.2 ( 25)	0.0 ( 0)	9.2 ( 196)
S	0.3 ( 6)	1.3 ( 28)	3.5 ( 75)	5.6 ( 119)	1.3 ( 28)	0.0 ( 0)	12.1 ( 256)
SSW	0.1 ( 3)	1.6 ( 34)	2.9 ( 61)	4.3 ( 92)	0.6 ( 12)	0.0 ( 1)	9.6 ( 203)
SW	0.3 ( 6)	1.7 ( 36)	2.6 ( 56)	2.6 ( 55)	0.1 ( 3)	0.0 ( 1)	7.4 ( 157)
WSW	0.4 ( 9)	1.8 ( 38)	3.8 ( 81)	3.9 ( 82)	1.4 ( 30)	0.4 ( 9)	11.7 ( 249)
W	0.7 ( 14)	1.7 ( 36)	3.0 ( 63)	2.0 ( 42)	1.7 ( 37)	1.1 ( 23)	10.1 ( 215)
WNW	0.6 ( 12)	1.9 ( 41)	2.4 ( 50)	0.8 ( 17)	1.1 ( 24)	1.3 ( 27)	8.1 ( 171)
NW	0.5 ( 11)	1.7 ( 36)	1.1 ( 24)	1.0 ( 22)	0.7 ( 15)	0.6 ( 13)	5.7 ( 121)
NNW	0.2 ( 5)	0.8 ( 16)	1.0 ( 22)	0.8 ( 18)	0.4 ( 8)	0.3 ( 6)	3.5 ( 75)
TOTAL	6.6 ( 141)	20.3 ( 432)	29.2 ( 620)	29.2 ( 620)	10.0 ( 213)	4.6 ( 97)	100.0 ( 2123)

## FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 85

NUMBER OF CALM HOURS: 13



\*\*\*\*\* LEGEND \*\*\*\*\*  
 % FREQUENCY OF WIND DIRECTION WITHIN WIND SPEED CATEGORY  
 \*\*\* BY STABILITY \*\*\*

JG120\*

SITE: NINE MILE UPPER: WIND SPEED UPPER - 200FT AEROVANE  
 WIND DIRECTION UPPER - 200FT AEROVANE  
 TEMPERATURE DIFFERENCE - (200-27FT)

NINE MILE LOWER: WIND SPEED LOWER - 30FT CUP  
 WIND DIRECTION LOWER - 30FT CUP  
 TEMPERATURE DIFFERENCE - (200-27FT)

STABILITY CLASS: PASQUILL STABILITY CATEGORIES - DEGC/100M

A - EXTREMELY UNSTABLE	LT -1.9
B - MODERATELY UNSTABLE	-1.8 TO -1.7
C - SLIGHTLY UNSTABLE	-1.6 TO -1.5
D - NEUTRAL	-1.4 TO -0.5
E - SLIGHTLY STABLE	-0.4 TO 1.5
F - MODERATELY STABLE	1.6 TO 4.0
G - EXTREMELY STABLE	GT 4.0
ALL - ALL STABILITIES (A-G)	ALL
( ) - ALL WIND	N/A

WIND CLASS: SIX WIND SPEED CATEGORIES - (SEE TABLE HEADINGS) MPH

SIXTEEN WIND DIRECTION CATEGORIES - 22.5 DEG

NOTE: THE DATA CAPTURE STATISTICS ARE GIVEN FOR EACH OF THE NINE CATEGORIES LISTED ABOVE.

CALM WINDS ARE LISTED IN THE 0-3 WIND SPEED CATEGORY.



# NIAGARA MOHAWK

OSHEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - A

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03		04-07		08-12		SPEED (MPH) 13-18		19-23		>24		TOTAL	
N	0.0	( 0)	0.1	( 2)	0.2	( 4)	0.1	( 2)	0.0	( 1)	0.0	( 1)	0.5	( 10)
NNE	0.0	( 0)	0.1	( 2)	0.3	( 7)	0.3	( 7)	0.0	( 1)	0.0	( 1)	0.9	( 18)
NE	0.0	( 0)	0.1	( 2)	0.2	( 4)	0.1	( 2)	0.0	( 0)	0.0	( 0)	0.4	( 8)
ENE	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)
E	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)
ESE	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)
SE	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)
SSE	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)
S	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)
SSW	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)
SW	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)
WSW	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)
W	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.1	( 2)	0.1	( 2)
WNW	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.0	( 0)	0.1	( 2)	0.1	( 2)	0.2	( 4)
NW	0.0	( 0)	0.0	( 0)	0.0	( 1)	0.0	( 1)	0.1	( 3)	0.1	( 3)	0.4	( 8)
NNW	0.0	( 0)	0.1	( 3)	0.1	( 3)	0.2	( 5)	0.2	( 5)	0.3	( 6)	1.0	( 22)
TOTAL	0.0	( 0)	0.4	( 9)	0.9	( 19)	0.8	( 17)	0.6	( 12)	0.7	( 15)	3.4	( 72)

FOR STABILITY CLASS - A

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 72

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - B

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.1 ( 2)
NE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)
SE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.1 ( 2)
WNW	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.4 ( 8)	0.6 ( 12)
NW	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.1 ( 2)	0.3 ( 7)	0.2 ( 4)	0.8 ( 16)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.4 ( 9)	0.8 ( 17)	1.3 ( 27)
TOTAL	0.1 ( 2)	0.1 ( 3)	0.1 ( 3)	0.3 ( 6)	0.9 ( 18)	1.5 ( 32)	3.0 ( 64)

FOR STABILITY CLASS - B

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 64

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSNEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - C

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNE	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
NE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
ENE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
E	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
ESE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
SSE	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
S	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
SW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
WSW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)	0.2 ( 5)
W	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.6 ( 13)	0.6 ( 13)
WNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.1 ( 2)	0.2 ( 5)	0.4 ( 9)
NW	0.0 ( 0)	0.1 ( 2)	0.2 ( 5)	0.3 ( 6)	0.2 ( 4)	0.5 ( 10)	1.3 ( 27)
NNW	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)	0.2 ( 4)	0.1 ( 2)	0.2 ( 5)	0.6 ( 13)
TOTAL	0.0 ( 0)	0.2 ( 4)	0.5 ( 11)	0.6 ( 13)	0.4 ( 8)	1.8 ( 38)	3.5 ( 74)

FOR STABILITY CLASS - C

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 74

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

STABILITY CLASS - D

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.3 ( 7)	0.3 ( 6)	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.8 ( 17)
NNE	0.0 ( 1)	0.5 ( 10)	0.2 ( 5)	0.8 ( 16)	0.5 ( 10)	0.4 ( 9)	2.4 ( 51)
NE	0.0 ( 0)	0.3 ( 7)	0.4 ( 8)	0.5 ( 11)	0.3 ( 6)	0.0 ( 0)	1.5 ( 32)
ENE	0.0 ( 1)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.4 ( 8)
E	0.0 ( 0)	0.2 ( 5)	0.5 ( 11)	0.1 ( 3)	0.0 ( 0)	0.0 ( 1)	1.0 ( 20)
ESE	0.0 ( 1)	0.3 ( 7)	1.3 ( 28)	0.7 ( 15)	0.5 ( 11)	0.1 ( 2)	3.0 ( 64)
SE	0.0 ( 0)	0.6 ( 13)	1.7 ( 36)	1.8 ( 38)	1.2 ( 25)	0.2 ( 4)	5.5 ( 116)
SSE	0.0 ( 1)	0.1 ( 3)	1.7 ( 35)	2.6 ( 54)	1.9 ( 39)	0.5 ( 10)	6.7 ( 142)
S	0.0 ( 0)	0.5 ( 10)	0.6 ( 12)	1.1 ( 23)	0.8 ( 16)	0.6 ( 13)	3.5 ( 74)
SSW	0.0 ( 1)	0.1 ( 3)	1.0 ( 21)	0.8 ( 16)	0.0 ( 1)	0.0 ( 0)	2.0 ( 42)
SW	0.0 ( 1)	0.0 ( 1)	0.5 ( 11)	1.7 ( 36)	0.0 ( 1)	0.0 ( 0)	2.4 ( 50)
WSW	0.0 ( 1)	0.0 ( 1)	0.1 ( 2)	0.6 ( 12)	0.8 ( 16)	2.0 ( 43)	3.6 ( 75)
W	0.0 ( 1)	0.2 ( 5)	0.5 ( 11)	1.4 ( 29)	1.0 ( 22)	3.4 ( 71)	6.6 ( 139)
WNW	0.1 ( 2)	0.3 ( 6)	1.0 ( 20)	1.3 ( 27)	1.8 ( 37)	2.3 ( 48)	6.7 ( 140)
NW	0.0 ( 1)	0.5 ( 11)	1.1 ( 24)	1.1 ( 23)	1.0 ( 20)	0.9 ( 19)	4.7 ( 98)
NNW	0.0 ( 0)	0.3 ( 6)	0.5 ( 11)	0.6 ( 12)	0.3 ( 6)	0.1 ( 3)	1.8 ( 38)

TOTAL 0.5 ( 11) 4.7 ( 99) 11.5 ( 243) 15.0 ( 316) 10.1 ( 212) 10.7 ( 225) 52.5 (1106)

FOR STABILITY CLASS - D

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 1106

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

STABILITY CLASS - E

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.1 ( 2)	0.5 ( 10)	0.1 ( 2)	0.0 ( 1)	0.2 ( 4)	0.0 ( 0)	0.9 ( 19)
NNE	0.1 ( 2)	0.2 ( 5)	0.5 ( 11)	1.0 ( 21)	0.2 ( 4)	0.0 ( 0)	2.0 ( 43)
NE	0.0 ( 1)	0.2 ( 5)	0.0 ( 1)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.5 ( 10)
ENE	0.0 ( 0)	0.2 ( 5)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)
E	0.0 ( 1)	0.1 ( 3)	0.3 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.5 ( 11)
ESE	0.0 ( 0)	0.4 ( 9)	0.6 ( 12)	0.4 ( 9)	0.1 ( 3)	0.0 ( 0)	1.6 ( 33)
SE	0.0 ( 1)	0.3 ( 6)	0.8 ( 17)	3.3 ( 69)	1.2 ( 25)	0.1 ( 3)	5.7 ( 121)
SSE	0.1 ( 2)	0.5 ( 11)	1.1 ( 24)	2.3 ( 49)	0.7 ( 14)	0.1 ( 2)	4.8 ( 102)
S	0.1 ( 2)	0.3 ( 7)	0.8 ( 17)	1.4 ( 29)	0.5 ( 10)	0.1 ( 2)	3.2 ( 67)
SSW	0.0 ( 0)	0.1 ( 3)	0.5 ( 11)	1.2 ( 26)	0.2 ( 4)	0.0 ( 0)	2.1 ( 44)
SW	0.0 ( 1)	0.2 ( 4)	0.4 ( 9)	0.4 ( 9)	0.5 ( 11)	0.3 ( 7)	1.9 ( 41)
WSW	0.0 ( 1)	0.2 ( 4)	0.2 ( 5)	0.1 ( 2)	0.3 ( 6)	0.5 ( 11)	1.4 ( 29)
W	0.0 ( 0)	0.2 ( 4)	0.1 ( 3)	0.5 ( 10)	0.5 ( 10)	0.3 ( 6)	1.6 ( 33)
WNW	0.0 ( 1)	0.2 ( 4)	0.2 ( 4)	0.2 ( 4)	0.0 ( 1)	0.3 ( 6)	1.0 ( 20)
NW	0.0 ( 0)	0.3 ( 7)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.5 ( 10)
NNW	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
TOTAL	0.7 ( 15)	4.2 ( 88)	6.1 ( 129)	11.0 ( 232)	4.4 ( 93)	1.8 ( 38)	28.3 ( 595)

FOR STABILITY CLASS - E

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 595

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0





# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - F

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (NPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
NNE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NE	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
ENE	0.0 ( 0)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
E	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
ESE	0.0 ( 1)	0.1 ( 2)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
SE	0.0 ( 1)	0.0 ( 1)	0.3 ( 6)	0.4 ( 8)	0.2 ( 5)	0.0 ( 0)	1.0 ( 21)
SSE	0.0 ( 0)	0.1 ( 2)	0.3 ( 7)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.7 ( 15)
S	0.0 ( 0)	0.1 ( 2)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.3 ( 6)
SSW	0.0 ( 0)	0.0 ( 1)	0.1 ( 3)	0.3 ( 6)	0.0 ( 1)	0.0 ( 0)	0.5 ( 11)
SW	0.0 ( 0)	0.0 ( 1)	0.4 ( 8)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
WSW	0.0 ( 0)	0.0 ( 0)	0.2 ( 5)	0.0 ( 1)	0.0 ( 0)	0.1 ( 2)	0.4 ( 8)
W	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.3 ( 6)
WNW	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.2 ( 4)
NW	0.0 ( 1)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
NNW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
TOTAL	0.2 ( 4)	0.9 ( 19)	1.7 ( 36)	1.2 ( 26)	0.5 ( 11)	0.1 ( 2)	4.7 ( 98)

FOR STABILITY CLASS - F

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 98

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - G

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNE	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NE	0.0 ( 1)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
ENE	0.0 ( 0)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 2)
E	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.1 ( 3)
ESE	0.0 ( 1)	0.1 ( 3)	0.2 ( 5)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.6 ( 13)
SE	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)	0.2 ( 4)	0.1 ( 2)	0.0 ( 0)	0.7 ( 15)
SSE	0.0 ( 0)	0.1 ( 3)	0.2 ( 4)	0.2 ( 4)	0.0 ( 1)	0.0 ( 0)	0.6 ( 12)
S	0.0 ( 0)	0.1 ( 3)	0.1 ( 2)	0.2 ( 4)	0.0 ( 0)	0.0 ( 0)	0.4 ( 9)
SSW	0.0 ( 0)	0.4 ( 9)	0.1 ( 2)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.6 ( 12)
SW	0.0 ( 0)	0.1 ( 3)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.2 ( 5)
WSW	0.0 ( 1)	0.3 ( 7)	0.0 ( 1)	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.5 ( 10)
W	0.0 ( 1)	0.2 ( 5)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	0.3 ( 7)
WNW	0.1 ( 2)	0.1 ( 2)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.2 ( 4)
NW	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)
NNW	0.0 ( 0)	0.0 ( 1)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)
TOTAL	0.3 ( 6)	1.9 ( 40)	1.3 ( 27)	0.8 ( 17)	0.2 ( 5)	0.0 ( 1)	4.6 ( 96)

FOR STABILITY CLASS - G

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 96

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## STABILITY CLASS - ALL

% FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.1 ( 2)	1.0 ( 20)	0.6 ( 12)	0.2 ( 4)	0.3 ( 7)	0.1 ( 2)	2.2 ( 47)
NNE	0.1 ( 3)	0.9 ( 19)	1.2 ( 25)	2.1 ( 44)	0.7 ( 15)	0.5 ( 11)	5.6 ( 117)
NE	0.1 ( 2)	0.9 ( 18)	0.7 ( 14)	0.7 ( 15)	0.4 ( 8)	0.0 ( 0)	2.7 ( 57)
ENE	0.0 ( 1)	0.6 ( 13)	0.3 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	1.0 ( 22)
E	0.0 ( 1)	0.5 ( 10)	1.0 ( 21)	0.1 ( 3)	0.0 ( 0)	0.0 ( 1)	1.7 ( 36)
ESE	0.1 ( 3)	1.0 ( 21)	2.3 ( 48)	1.4 ( 29)	0.7 ( 15)	0.1 ( 2)	5.6 ( 118)
SE	0.1 ( 2)	1.0 ( 20)	3.2 ( 68)	5.8 ( 122)	2.7 ( 57)	0.3 ( 7)	13.1 ( 276)
SSE	0.1 ( 3)	0.9 ( 19)	3.4 ( 71)	5.3 ( 111)	2.7 ( 56)	0.6 ( 12)	12.9 ( 272)
S	0.1 ( 2)	1.0 ( 22)	1.6 ( 34)	2.7 ( 57)	1.2 ( 26)	0.7 ( 15)	7.4 ( 156)
SSW	0.0 ( 1)	0.8 ( 16)	1.8 ( 37)	2.3 ( 49)	0.3 ( 6)	0.0 ( 0)	5.2 ( 109)
SW	0.1 ( 2)	0.4 ( 9)	1.4 ( 29)	2.3 ( 48)	0.6 ( 13)	0.3 ( 7)	5.1 ( 108)
WSW	0.1 ( 3)	0.6 ( 12)	0.6 ( 13)	0.7 ( 15)	1.1 ( 23)	2.9 ( 61)	6.0 ( 127)
W	0.1 ( 3)	0.7 ( 15)	0.7 ( 15)	1.9 ( 40)	1.6 ( 34)	4.5 ( 95)	9.6 ( 202)
WNW	0.3 ( 6)	0.7 ( 15)	1.2 ( 25)	1.7 ( 35)	2.0 ( 43)	3.3 ( 69)	9.2 ( 193)
NW	0.1 ( 3)	1.0 ( 22)	1.5 ( 32)	1.6 ( 33)	1.6 ( 34)	1.8 ( 37)	7.6 ( 161)
NNW	0.0 ( 1)	0.5 ( 11)	0.8 ( 17)	1.0 ( 22)	1.0 ( 22)	1.5 ( 31)	4.9 ( 104)

TOTAL 1.8 ( 38) 12.4 ( 262) 22.2 ( 468) 29.8 ( 627) 17.1 ( 359) 16.7 ( 351) 100.0 (2105)

FOR STABILITY CLASS - ALL

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2105

NUMBER OF MISSING WIND OBSERVATIONS: 0

NUMBER OF CALM HOURS: 0



# NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR OCT 1 1984 THROUGH DEC 31 1984

JG120\*

## % FREQUENCY (NO. OF OCCURRENCES) OF WIND DIRECTION WITHIN WIND SPEED CATEGORY

DIR	00-03	04-07	08-12	SPEED (MPH) 13-18	19-23	>24	TOTAL
N	0.1 ( 2)	1.0 ( 21)	0.6 ( 12)	0.2 ( 4)	0.3 ( 7)	0.1 ( 3)	2.3 ( 49)
NNE	0.1 ( 3)	0.9 ( 19)	1.2 ( 25)	2.1 ( 44)	0.7 ( 15)	0.5 ( 11)	5.9 ( 117)
NE	0.1 ( 2)	0.8 ( 18)	0.7 ( 14)	0.7 ( 15)	0.4 ( 8)	0.0 ( 0)	2.7 ( 57)
ENE	0.0 ( 1)	0.6 ( 13)	0.3 ( 7)	0.0 ( 0)	0.0 ( 0)	0.0 ( 1)	1.0 ( 22)
E	0.0 ( 1)	0.5 ( 10)	1.0 ( 21)	0.1 ( 3)	0.0 ( 0)	0.0 ( 1)	1.7 ( 36)
ESE	0.1 ( 3)	1.0 ( 21)	2.3 ( 48)	1.4 ( 29)	0.7 ( 15)	0.1 ( 2)	5.6 ( 118)
SE	0.1 ( 2)	0.9 ( 20)	3.2 ( 68)	5.7 ( 122)	2.7 ( 57)	0.3 ( 7)	13.0 ( 276)
SSE	0.1 ( 3)	0.9 ( 19)	3.4 ( 72)	5.3 ( 113)	2.6 ( 56)	0.6 ( 12)	13.0 ( 275)
S	0.1 ( 2)	1.0 ( 22)	1.6 ( 34)	2.7 ( 57)	1.2 ( 26)	0.7 ( 15)	7.4 ( 156)
SSW	0.0 ( 1)	0.8 ( 16)	1.7 ( 37)	2.3 ( 49)	0.3 ( 6)	0.0 ( 0)	5.1 ( 109)
SW	0.1 ( 2)	0.5 ( 10)	1.4 ( 29)	2.3 ( 48)	0.6 ( 13)	0.3 ( 7)	5.1 ( 109)
WSW	0.1 ( 3)	0.6 ( 12)	0.6 ( 13)	0.7 ( 15)	1.1 ( 23)	2.9 ( 61)	6.0 ( 127)
W	0.1 ( 3)	0.7 ( 15)	0.7 ( 15)	2.0 ( 42)	1.6 ( 34)	4.6 ( 98)	9.8 ( 207)
WNW	0.3 ( 6)	0.8 ( 16)	1.2 ( 26)	1.6 ( 35)	2.1 ( 44)	3.3 ( 69)	9.2 ( 196)
NW	0.1 ( 3)	1.0 ( 22)	1.5 ( 32)	1.6 ( 33)	1.6 ( 34)	1.7 ( 37)	7.6 ( 161)
NNW	0.1 ( 2)	0.6 ( 12)	0.8 ( 17)	1.0 ( 22)	1.1 ( 23)	1.5 ( 31)	5.0 ( 107)
TOTAL	1.8 ( 39)	12.5 ( 266)	22.1 ( 470)	29.7 ( 631)	17.0 ( 361)	16.7 ( 355)	100.0 (2122)

## FOR ALL WIND CATEGORIES

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2208

NUMBER OF MISSING WIND OBSERVATIONS: 86

NUMBER OF CALM HOURS: 0

