

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 7909240562 DOC. DATE: 7/9/80 NOTARIZED: NO DOCKET #
 FACIL: 50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe 05000220
 AUTH. NAME AUTHOR AFFILIATION
 * Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: "Radioactive Effluent Release Semiannual Rept" for Jan-June 1979.

See Encl Reports

DISTRIBUTION CODE: A001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 52
 TITLE: General Distribution for After Issuance of Operating Lic

NOTES: -----

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
ACTION:	05 BC ORB #3	7 7		
INTERNAL:	01 REG FILE	1 1	02 NRC PDR	1 1
	12 I&E	2 2	14 TA/EDO	1 1
	15 CORE PERF BR	1 1	17 ENGR BR	1 1
	18 REAC SFTY BR	1 1	19 PLANT SYS BR	1 1
	20 EEB	1 1	21 EFLT TRT SYS	1 1
	22 BRINKMAN	1 1	OELD	1 0
EXTERNAL:	03 LPDR	1 1	04 NSIC	1 1
	23 ACRS	16 16		

SEP 26 1979

cep
ENCL 1

1944

27

1944

SEP 6 9 43

August 29, 1979

Mr. Boyce H. Grier
Director
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

RE: Nine Mile Point Nuclear Station Unit #1
Docket No. 50-220
DPR-63

Dear Mr. Grier:

In conformance with Paragraph 5.6.2 of the Environmental Technical Specifications for Nine Mile Point Nuclear Station Unit #1, we are enclosing the Radioactive Effluent Release Semi-Annual Report for the period January 1, 1979 through June 30, 1979. Also included is meteorological data in accordance with Regulatory Guide 1.23.

The format used for the effluent data is as outlined in Regulatory Guide 1.21. Distribution is in accordance with Regulatory Guide 10.1 and the Environmental Technical Specifications.

Very truly yours,

Original signed by R.R. Schneider

R.R. Schneider
Vice President -
Electric Production

mtm

Enc. (2 copies)

xc: Director, Office of I&E (6 copies)
Director, Office of NRR (1 copy)

Aug 31/1

7909240562



1941

RETURN TO REACTOR DOCKET
FILES

RETURN TO REACTOR DOCKET
FILES

NINE MILE POINT NUCLEAR STATION

RADIOACTIVE EFFLUENT RELEASE

SEMI-ANNUAL REPORT

JANUARY - JUNE 1979

DOCKET No.: 50-220

50-220
by 8/29/79
79 09240562

NIAGARA MOHAWK POWER CORPORATION

RETURN TO REACTOR DOCKET
FILES

NINE MILE POINT NUCLEAR STATION
RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT
SUPPLEMENTAL INFORMATION

Facility: Nine Mile Point Unit #1
Docket No.: 50-220
License DPR-63

License: Niagara Mohawk Power
Corporation

1. Regulatory Limits

a) Fission and activation gases:

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

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

where Q'_i = 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)

i = the individual nuclide

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

\bar{E}_β = 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).

d) Liquid Effluents: (continued)

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:

10CFR20, Appendix B, Table II, Column 2.

AVE MPC (Jan-Mar) = $1.57 \text{ E-05 } \mu\text{Ci/ml}$

AVE MPC (April-June) = $1.91 \text{ E-05 } \mu\text{Ci/ml}$

3. Average Energy (Fission and activation gases)

Jan-Mar $\bar{E}_\gamma = 0.77 \text{ mev}$, $\bar{E}_\beta = 0.38 \text{ mev}$

Apr-June $\bar{E}_\gamma = 1.06 \text{ mev}$, $\bar{E}_\beta = 0.57 \text{ mev}$

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 gases: Stack monitor calibrated to (GeLi) isotopic analysis of 2.5L Marinelli beaker.

b. Iodines: Weekly analysis (GeLi) of stack sampler charcoal cartridge.

c. Particulates: Isotopic analysis (GeLi) of stack sampler filters.

d. Liquid effluents: GeLi isotopic of 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: 12

2. Total time period for batch releases: 96 hours 44 min.

3. Maximum time period for a batch release: 10 hours 50 min.

5. Batch Releases (continued)

a. Liquid (continued)

- 4. Average time period for a batch release: 8 hours 4 min.
- 5. Minimum time period for a batch release: 2 hours 18 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. Liquid

None

b. Gaseous

None

NOTE: The unit was in Refuel-Maintenance Outage for the period March 2 to June 22, 1979.

TABLE 1A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1979)
NINE MILE POINT NUCLEAR STATION
GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

	UNIT	QUARTER 1	QUARTER 2	EST. TOTAL ERROR, %
A. Fission & activation gases				
1. Total release	Ci	3.92 E+02	1.57 E+01	2.0 E+01
2. Average release rate for period	μCi/sec	5.04 E+01	1.99 E+00	
3. Percent of Technical Specification limit	%	*	*	
B. Iodines				
1. Total iodine-131	Ci	2.16 E-02	4.22 E-04	1.5 E+01
2. Average release rate for period	μCi/sec	2.78 E-03	5.27 E-05	
3. Percent of Technical Specification limit	%	*	*	
C. Particulates				
1. Particulates with half- lives > 8 days	Ci	5.50 E-03	7.90 E-03	2.0 E+01
2. Average release rate for period	μCi/sec	7.07 E-04	1.00 E-03	
3. Percent of Technical Specification limit	%	*	*	
4. Gross alpha radio- activity	Ci	8.33 E-06	2.17 E-06	
D. Tritium				
1. Total release	Ci	1.18 E+01	3.77 E+00	2.0 E+01
2. Average release rate for period	μCi/sec	1.52 E+00	4.80 E-01	
3. Percent of Technical Specification limit	%	NONE SPECIFIED		
E.* Percent of Technical Specification Limits				
Fission and activation gases:				
1. NMP-1 elevated release	%	6.77 E-03	3.69 E-04	
2. JAF elevated release	%	5.31 E-03	4.20 E-08	
3. JAF ground-level release	%	1.81 E-02	4.82 E-06	
4. Total Site Release	%	3.02 E-02	3.74 E-04	
Halogens and particulates with half-lives greater than 8 days:				
5. NMP-1 elevated release	%	4.18 E-03	1.27 E-03	
6. JAF elevated release	%	2.96 E-05	1.07 E-07	
7. JAF ground-level release	%	3.58 E-03	7.95 E-04	
8. Total Site Release	%	7.79 E-03	2.07 E-03	

TABLE 1B

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1979)
NINE MILE POINT NUCLEAR STATION
GASEOUS EFFLUENTS-ELEVATED RELEASE

Nuclides Released	Unit	CONTINUOUS MODE	
		Quarter 1	Quarter 2
1. <u>Fission Gases</u>			
krypton-85m	Ci	-----	-----
krypton-87	Ci	-----	-----
krypton-88	Ci	-----	-----
xenon-133	Ci	-----	-----
xenon-135	Ci	5.39 E+01	2.06 E+00
xenon-135m	Ci	1.48 E+02	-----
xenon-138	Ci	1.90 E+02	1.36 E+01
Total for period	Ci	3.92 E+02	1.57 E+01
2. <u>Iodines</u>			
iodine-131	Ci	2.16 E-02	4.22 E-04
iodine-133	Ci	7.07 E-03	5.93 E-05
iodine-135	Ci	1.71 E-03	4.92 E-03
Total for period	Ci	3.04 E-02	5.40 E-03
3. <u>Particulates</u>			
strontium-89	Ci	1.12 E-03	1.03 E-04
strontium-90	Ci	6.48 E-05	1.04 E-06
cesium-134	Ci	1.54 E-04	3.12 E-04
cesium-137	Ci	6.24 E-04	8.60 E-04
cobalt-60	Ci	2.11 E-03	5.35 E-03
cobalt-58	Ci	2.46 E-05	1.93 E-04
manganese-54	Ci	1.00 E-04	5.34 E-04
barium-lanthanum-140	Ci	1.04 E-03	5.42 E-05
niobium-95	Ci	-----	-----
cerium-141	Ci	5.04 E-05	-----
cerium-144	Ci	-----	-----
iron-59	Ci	3.10 E-05	-----
cesium-136	Ci	1.79 E-04	-----
chromium-51	Ci	-----	4.90 E-04



TABLE 1C

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1979)
NINE MILE POINT NUCLEAR STATION
GASEOUS EFFLUENTS-GROUND-LEVEL RELEASES

There are no ground level releases from the Nine Mile Point Nuclear Station Unit #1.

TABLE 2A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1979)
NINE MILE POINT NUCLEAR STATION
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	Unit	Quarter 1	Quarter 2	Est. Total Error, %
A. <u>Fission and activation products</u>				
1. Total release (not including tritium, gases, alpha)	Ci	1.19 E+00	7.00 E-01	2.0 E+01
2. Average diluted concentration during period	µCi/ml	4.28 E-07	3.25 E-07	
3. Percent of applicable limit	%	2.72 E+00	1.70 E+00	
B. <u>Tritium</u>				
1. Total release	Ci	3.45 E+00	3.33 E+00	2.0 E+01
2. Average diluted concentration during period	µCi/ml	1.24 E-06	1.55 E-06	
3. Percent of applicable limit	%	4.00 E-02	5.00 E-02	
C. <u>Dissolved and entrained gases</u>				
1. Total release	Ci	<4.11 E-02	<1.00 E-03	2.0 E+01
2. Average diluted concentration during period	µCi/ml	<1.48 E-08	<4.65 E-10	
3. Percent of applicable limit	%	-----	-----	
D. <u>Gross alpha radioactivity</u>				
1. Total release	Ci	8.20 E-05	6.20 E-05	3.0 E+01
E. <u>Volume of Waste Released (prior to dilution)</u>				
	liters	7.66 E+05	5.69 E+05	4.0 E+00
F. <u>Volume of dilution water used during period</u>				
	liters	2.78 E+09	2.15 E+09	5.0 E+00

TABLE 2B

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1979)
NINE MILE POINT NUCLEAR STATION
LIQUID EFFLUENTS

Nuclides Released	Unit	BATCH MODE	
		Quarter 1	Quarter 2
strontium-89	Ci	6.35 E-04	3.72 E-04
strontium-90	Ci	1.53 E-03	1.70 E-03
cesium-134	Ci	2.29 E-01	1.20 E-01
cesium-137	Ci	6.64 E-01	3.65 E-01
cerium-141	Ci	-----	2.30 E-05
cobalt-58	Ci	3.31 E-03	2.58 E-03
cobalt-60	Ci	2.72 E-01	2.00 E-01
manganese-54	Ci	1.25 E-02	9.83 E-03
barium-lanthanum-140	Ci	6.09 E-04	-----
neptunium-239	Ci	1.55 E-03	-----
xenon-133	Ci	<2.75 E-02	<6.53 E-04
xenon-135	Ci	<1.36 E-02	<3.48 E-04

TABLE 3

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1979)
NINE MILE POINT NUCLEAR STATION
SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

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

1.	<u>Type of Waste</u>	<u>Unit</u>	<u>Jan-June</u>	<u>Est. Total Error, %</u>
a.	Spent Resin	m ³	1.50 E+01	
	Evaporator Bottom	Ci	7.41 E+02	2.5 E+01
		m ³	9.86 E+01	
	Resin or Filter Sludges	Ci	1.99 E+02	2.5 E+01
		m ³	8.49 E+00	
	Liquid Waste	Ci	9.31 E+01	3.0 E+01
		m ³	None	
		Ci	-----	
b.	Dry Compressible Waste or	m ³	2.19 E+02	
	Contaminated Equipment	Ci	4.25 E+00	2.5 E+01
c.	Irradiated Components	m ³	None	
		Ci	-----	

2. Estimate of Major Nuclide Composition (by type of waste)

a.	Evaporator Bottoms - Resins - Filter Sludges		
	Cobalt-60	%	3.50 E+01
	Cesium-137	%	5.00 E+01
	Cesium-134	%	1.50 E+01
b.	Dry Compressible Waste Varies	%	-----
c.	Irradiated Components		-----

3. Solid Waste Disposition

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

B. IRRADIATED FUEL SHIPMENTS (Disposition)

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

TABLE 4A

RADIOACTIVE EFFLUENT RELEASE SEMI-ANNUAL REPORT (1979)
NINE MILE POINT NUCLEAR STATION
HOURS AT EACH WIND SPEED AND DIRECTION

January - June

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

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 JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - A

% 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	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (2)	0.0 (1)	0.2 (4)
NNE	0.0 (0)	0.0 (0)	0.1 (3)	0.1 (2)	0.1 (2)	0.0 (0)	0.3 (7)
NE	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)	0.1 (2)	0.1 (3)	0.4 (8)
ENE	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	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)	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (4)
SSE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.2 (4)	0.1 (3)	0.4 (9)
S	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
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)	0.4 (8)	0.4 (8)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)	0.1 (3)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (9)	0.4 (9)
NW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)	0.1 (2)
NNW	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (1)	0.2 (4)
TOTAL	0.0 (0)	0.0 (1)	0.5 (10)	0.4 (9)	0.5 (11)	1.4 (30)	2.9 (61)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 61

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED DATA

DATE AUG 08 1979 RLO
NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - B

% 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	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.1 (2)
NNE	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (2)	0.0 (0)	0.1 (3)
NE	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (2)	0.1 (3)
ENE	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (2)
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)	0.1 (3)	0.0 (0)	0.0 (0)	0.1 (3)
SSE	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (3)	0.1 (3)	0.3 (7)
S	0.0 (0)	0.0 (0)	0.1 (3)	0.0 (0)	0.0 (1)	0.0 (1)	0.2 (5)
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)	0.1 (3)	0.1 (3)
W	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (11)	0.6 (12)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)	0.6 (12)
NW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (11)	0.5 (11)
NNW	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (1)	0.0 (0)	0.2 (4)
TOTAL	0.0 (1)	0.0 (0)	0.3 (7)	0.3 (6)	0.5 (10)	2.1 (43)	3.2 (67)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 67

NUMBER OF MISSING WIND OBSERVATIONS: 0

DATE AUG-08-1979 RLO

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - C

% 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	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)	0.2 (4)	0.0 (0)	0.3 (6)
NNE	0.0 (0)	0.0 (0)	0.2 (5)	0.0 (1)	0.0 (0)	0.0 (0)	0.3 (6)
NE	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (1)	0.1 (2)	0.2 (4)
ENE	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (4)
E	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
ESE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
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 (0)	0.0 (0)	0.2 (4)	0.0 (1)	0.2 (5)
S	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (2)
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)	0.1 (3)	0.1 (3)
WSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.4 (8)	0.4 (9)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)	0.0 (1)	1.0 (21)	1.3 (27)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)	2.5 (51)	2.7 (57)
NW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)	0.7 (15)	0.9 (18)
NNW	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
TOTAL	0.0 (0)	0.2 (4)	0.5 (11)	0.5 (10)	1.0 (21)	4.9 (101)	7.1 (147)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 148

NUMBER OF MISSING WIND OBSERVATIONS: 1

VALIDATED DATA

DATE AUG 08 1979 PLO

NMPC



NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - D

% 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	0.1 (2)	0.2 (4)	0.4 (9)	0.7 (15)	0.6 (12)	0.3 (7)	2.4 (49)
NNE	0.2 (5)	0.1 (2)	0.3 (6)	0.6 (13)	0.9 (18)	0.9 (18)	3.0 (62)
NE	0.0 (0)	0.1 (3)	0.2 (5)	0.6 (12)	0.7 (14)	1.6 (33)	3.2 (67)
ENE	0.1 (2)	0.3 (7)	0.2 (4)	0.4 (8)	0.6 (12)	0.8 (16)	2.4 (49)
E	0.2 (4)	0.3 (7)	0.6 (12)	0.3 (6)	0.1 (2)	0.2 (4)	1.7 (35)
ESE	0.2 (4)	0.4 (8)	0.9 (17)	0.9 (18)	0.3 (7)	0.1 (2)	2.7 (56)
SE	0.0 (1)	0.4 (9)	0.3 (7)	1.1 (22)	0.6 (12)	0.4 (9)	2.9 (60)
SSE	0.0 (1)	0.2 (5)	0.4 (8)	0.2 (5)	0.3 (7)	0.3 (7)	1.6 (33)
S	0.0 (0)	0.0 (1)	0.4 (9)	0.5 (11)	0.2 (4)	0.0 (1)	1.3 (26)
SSW	0.0 (0)	0.0 (1)	0.3 (6)	1.0 (20)	0.4 (8)	0.0 (0)	1.7 (35)
SW	0.0 (1)	0.0 (0)	0.1 (3)	0.6 (12)	1.1 (22)	1.4 (29)	3.2 (67)
WSW	0.0 (0)	0.0 (0)	0.1 (3)	0.6 (12)	0.3 (6)	1.1 (23)	2.1 (44)
W	0.1 (2)	0.2 (5)	0.6 (13)	1.7 (36)	1.7 (35)	3.5 (72)	7.9 (163)
WNW	0.0 (1)	0.5 (10)	0.8 (16)	0.8 (17)	0.7 (14)	1.5 (31)	4.3 (89)
NW	0.0 (0)	0.2 (5)	0.8 (16)	1.0 (20)	0.5 (11)	0.8 (17)	3.3 (69)
NNW	0.1 (2)	0.0 (1)	0.9 (18)	0.4 (8)	0.4 (8)	0.0 (0)	1.8 (37)
TOTAL	1.2 (25)	3.3 (68)	7.3 (152)	11.3 (235)	9.3 (192)	13.0 (269)	45.3 (941)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 952

NUMBER OF MISSING WIND OBSERVATIONS: 11

VALIDATED DATA

DATE AUG 08 1979 RLO

NMPC



NIAGARA MOHAWK

OSWEGO AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - E

% 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	0.0 (0)	0.2 (4)	0.4 (9)	0.2 (4)	0.1 (2)	0.0 (1)	1.0 (20)
NNE	0.0 (0)	0.2 (5)	0.5 (10)	0.3 (7)	0.0 (0)	0.1 (2)	1.2 (24)
NE	0.0 (1)	0.3 (7)	0.2 (5)	0.3 (7)	0.3 (7)	0.1 (2)	1.4 (29)
ENE	0.0 (0)	0.3 (7)	0.4 (8)	0.3 (6)	0.0 (0)	0.0 (1)	1.1 (22)
E	0.0 (0)	0.1 (3)	0.5 (10)	0.6 (13)	0.0 (1)	0.5 (11)	1.8 (38)
ESE	0.0 (0)	0.1 (2)	0.5 (10)	0.9 (17)	0.2 (4)	0.0 (0)	1.6 (33)
SE	0.0 (1)	0.2 (5)	0.6 (13)	1.7 (36)	0.7 (14)	0.1 (2)	3.4 (71)
SSE	0.0 (0)	0.0 (0)	0.6 (12)	2.4 (50)	1.6 (33)	1.5 (32)	6.1 (127)
S	0.0 (0)	0.1 (3)	0.6 (12)	0.7 (15)	0.7 (15)	0.9 (18)	3.0 (63)
SSH	0.0 (0)	0.1 (3)	0.1 (3)	0.8 (16)	0.3 (6)	0.0 (1)	1.4 (29)
SW	0.1 (2)	0.0 (1)	0.1 (2)	0.5 (11)	0.3 (7)	0.0 (1)	1.2 (24)
WSW	0.1 (2)	0.2 (5)	0.1 (2)	0.3 (7)	0.1 (2)	0.2 (4)	1.1 (22)
W	0.2 (4)	0.7 (14)	1.0 (20)	0.7 (14)	0.9 (18)	0.4 (8)	3.8 (78)
WNW	0.0 (1)	0.4 (8)	0.4 (9)	0.0 (1)	0.5 (11)	0.0 (0)	1.4 (30)
NW	0.0 (0)	0.3 (6)	0.5 (10)	0.3 (6)	0.2 (5)	0.3 (7)	1.6 (34)
NNW	0.1 (3)	0.1 (2)	0.5 (10)	0.3 (7)	0.1 (3)	0.3 (7)	1.5 (32)
TOTAL	0.7 (14)	3.6 (75)	7.0 (145)	10.5 (217)	6.2 (128)	4.7 (97)	32.6 (676)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 720

NUMBER OF MISSING WIND OBSERVATIONS: 44

VALIDATED DATA
DATE AUG 08 1979 *Ed*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG1204

STABILITY CLASS - F

% 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	0.0 (0)	0.1 (3)	0.1 (2)	0.0 (0)	0.1 (2)	0.0 (0)	0.3 (7)
NNE	0.0 (1)	0.0 (1)	0.1 (3)	0.1 (3)	0.0 (1)	0.0 (0)	0.4 (9)
NE	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (4)
ENE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
E	0.1 (2)	0.0 (1)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
ESE	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (0)	0.2 (4)
SE	0.0 (0)	0.0 (1)	0.1 (2)	0.4 (9)	0.0 (0)	0.0 (0)	0.6 (12)
SSE	0.0 (0)	0.0 (1)	0.1 (3)	0.6 (12)	0.2 (4)	0.0 (0)	1.0 (20)
S	0.0 (1)	0.1 (2)	0.1 (2)	0.6 (12)	0.1 (2)	0.0 (0)	0.9 (19)
SSW	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (3)	0.0 (0)	0.0 (0)	0.2 (4)
SW	0.0 (0)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
WSW	0.0 (1)	0.0 (0)	0.1 (2)	0.0 (1)	0.0 (1)	0.0 (0)	0.2 (5)
W	0.0 (0)	0.2 (5)	0.2 (4)	0.1 (2)	0.0 (0)	0.0 (1)	0.6 (12)
WNW	0.0 (1)	0.1 (3)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
NW	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
NNW	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
TOTAL	0.4 (3)	1.1 (23)	1.7 (36)	2.1 (44)	0.5 (11)	0.0 (1)	5.9 (123)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 126

NUMBER OF MISSING WIND OBSERVATIONS: 3

VALIDATED DATA

DATE AUG 08 1979 *llo*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - G

% 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	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
NNE	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (2)
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)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
E	0.0 (0)	0.1 (3)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (7)
ESE	0.0 (0)	0.0 (1)	0.1 (3)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (5)
SE	0.0 (0)	0.1 (3)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (5)
SSE	0.0 (0)	0.1 (2)	0.3 (6)	0.1 (3)	0.0 (0)	0.0 (0)	0.5 (11)
S	0.1 (2)	0.1 (3)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (9)
SSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (1)
SW	0.0 (0)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
WNW	0.0 (0)	0.1 (3)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (5)
NW	0.1 (2)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
NNW	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
TOTAL	0.2 (4)	1.1 (23)	1.1 (23)	0.4 (9)	0.0 (1)	0.0 (0)	2.9 (60)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 60

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED DATA

DATE AUG 08 1979 *RLD*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - ALL

% 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	0.1 (2)	0.6 (13)	1.1 (23)	1.0 (21)	1.2 (24)	0.4 (9)	4.4 (92)
NNE	0.3 (6)	0.4 (8)	1.4 (29)	1.3 (26)	1.2 (24)	1.0 (20)	5.4 (113)
NE	0.1 (3)	0.6 (12)	0.5 (11)	1.1 (23)	1.2 (25)	2.0 (42)	5.6 (116)
ENE	0.1 (2)	0.7 (15)	0.9 (18)	0.8 (17)	0.6 (12)	0.8 (17)	3.9 (81)
E	0.3 (6)	0.7 (15)	1.4 (24)	0.9 (19)	0.1 (3)	0.7 (15)	4.2 (87)
ESE	0.2 (4)	0.6 (12)	1.6 (33)	1.8 (37)	0.6 (12)	0.1 (2)	4.8 (100)
SE	0.1 (2)	0.9 (18)	1.2 (25)	3.6 (74)	1.3 (26)	0.5 (11)	7.5 (156)
SSE	0.0 (1)	0.4 (8)	1.5 (32)	3.4 (70)	2.7 (55)	2.2 (46)	10.2 (212)
S	0.1 (3)	0.5 (10)	1.4 (30)	1.9 (40)	1.1 (23)	1.0 (20)	6.1 (126)
SSW	0.0 (0)	0.2 (4)	0.5 (10)	1.9 (40)	0.7 (14)	0.0 (1)	3.3 (69)
SW	0.1 (3)	0.2 (5)	0.3 (7)	1.1 (23)	1.4 (29)	1.6 (33)	4.8 (100)
WSW	0.1 (3)	0.2 (5)	0.3 (7)	1.0 (20)	0.5 (10)	2.2 (46)	4.4 (91)
W	0.3 (7)	1.2 (25)	1.8 (37)	2.7 (57)	2.6 (54)	5.6 (116)	14.3 (296)
WNW	0.1 (2)	1.2 (24)	1.6 (34)	0.9 (19)	1.5 (31)	5.0 (103)	10.3 (214)
NW	0.1 (2)	0.6 (13)	1.4 (29)	1.3 (26)	0.9 (19)	2.5 (52)	6.8 (141)
NNW	0.2 (5)	0.3 (7)	1.4 (30)	0.9 (18)	0.6 (13)	0.4 (8)	3.9 (81)
TOTAL	2.5 (52)	9.3 (194)	18.5 (384)	25.5 (530)	18.0 (374)	26.1 (541)	100.0 (2075)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2134

NUMBER OF MISSING WIND OBSERVATIONS: 59

VALIDATED DATA

DATE AUG 08 1979 *PLD*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

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	0.1 (2)	0.6 (13)	1.1 (23)	1.0 (21)	1.1 (24)	0.4 (9)	4.4 (92)
NNE	0.2 (6)	0.4 (8)	1.4 (29)	1.2 (26)	1.1 (24)	1.0 (20)	5.4 (113)
NE	0.1 (3)	0.6 (12)	0.5 (11)	1.1 (23)	1.2 (25)	2.0 (42)	5.5 (116)
ENE	0.1 (2)	0.7 (15)	0.9 (18)	0.8 (17)	0.6 (12)	0.8 (17)	3.9 (81)
E	0.3 (6)	0.7 (15)	1.4 (29)	0.9 (19)	0.1 (3)	0.7 (15)	4.1 (87)
ESE	0.2 (4)	0.6 (12)	1.6 (33)	1.8 (37)	0.6 (12)	0.1 (2)	4.8 (100)
SE	0.1 (2)	0.9 (18)	1.2 (25)	3.5 (74)	1.2 (26)	0.5 (11)	7.4 (156)
SSE	0.6 (1)	0.4 (8)	1.5 (32)	3.2 (70)	2.8 (58)	2.2 (46)	10.2 (215)
S	0.1 (3)	0.5 (10)	1.4 (30)	1.9 (40)	1.2 (26)	1.0 (20)	6.1 (129)
SSW	0.0 (0)	0.2 (4)	0.5 (10)	2.0 (42)	0.7 (14)	0.0 (1)	3.4 (71)
SW	0.1 (3)	0.2 (5)	0.3 (7)	1.1 (23)	1.4 (29)	1.6 (33)	4.8 (100)
WSW	0.1 (3)	0.2 (5)	0.3 (7)	1.0 (20)	0.5 (11)	2.2 (46)	4.4 (92)
W	0.3 (7)	1.2 (25)	1.8 (37)	2.8 (59)	2.6 (54)	6.0 (126)	14.7 (308)
WNW	0.1 (3)	1.1 (24)	1.6 (34)	0.9 (19)	1.5 (31)	5.0 (106)	10.3 (217)
NW	0.1 (2)	0.6 (13)	1.4 (29)	1.2 (26)	0.9 (19)	2.5 (52)	6.7 (141)
NNW	0.2 (5)	0.3 (7)	1.5 (31)	0.9 (18)	0.6 (13)	0.4 (8)	3.9 (82)
TOTAL	2.5 (52)	9.2 (194)	18.3 (385)	25.4 (534)	18.1 (381)	26.4 (554)	100.0 (2100)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2160

NUMBER OF MISSING WIND OBSERVATIONS: 60

VALIDATED DATA

DATE AUG 08 1979 *EL*

NMPC





NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - A

% 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	0.0 (0)	0.2 (5)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)
NNE	0.0 (0)	0.2 (4)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (7)
NE	0.0 (0)	0.0 (1)	0.0 (1)	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 (0)	0.0 (0)	0.0 (0)
SE	0.0 (0)	0.0 (1)	0.2 (4)	0.1 (3)	0.0 (1)	0.0 (0)	0.4 (9)
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)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
SSW	0.0 (0)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
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)	0.4 (8)	0.4 (8)
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)	0.3 (7)	0.4 (9)
NW	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (3)	0.0 (0)	0.2 (4)
NNW	0.0 (0)	0.1 (2)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (4)
TOTAL	0.0 (0)	0.8 (16)	0.9 (18)	0.2 (4)	0.3 (6)	0.8 (17)	2.9 (61)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 61

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED DATA

DATE AUG 08 1979 *eco*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - B

% 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	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
NNE	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
NE	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
ENE	0.0 (0)	0.0 (1)	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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
SE	0.0 (0)	0.0 (1)	0.1 (3)	0.1 (2)	0.1 (3)	0.0 (0)	0.4 (9)
SSE	0.0 (0)	0.0 (1)	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (4)
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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
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 (4)	0.2 (4)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)	0.5 (10)
WNW	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)	0.5 (11)
NW	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (8)	0.2 (5)	0.7 (15)
NNW	0.0 (0)	0.0 (1)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
TOTAL	0.0 (1)	0.5 (10)	0.6 (12)	0.2 (4)	0.5 (11)	1.4 (29)	3.2 (67)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 67

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED DATA

DATE AUG 08 1979 *RD*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE Lower (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - C

% 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	0.0 (0)	0.4 (8)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (9)
NNE	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NE	0.0 (0)	0.1 (3)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
ENE	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
E	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
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 (1)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (5)
SSE	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.1 (3)
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)	0.1 (2)	0.0 (0)	0.4 (9)	0.5 (11)
W	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	1.0 (21)	1.0 (22)
WNW	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)	0.1 (3)	1.8 (38)	2.1 (44)
NW	0.0 (0)	0.1 (2)	0.0 (0)	1.0 (20)	0.4 (8)	0.2 (4)	1.6 (34)
NNW	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
TOTAL	0.0 (0)	1.0 (20)	0.4 (9)	1.4 (29)	0.6 (12)	3.4 (72)	6.8 (142)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 148

NUMBER OF MISSING WIND OBSERVATIONS: 6

VALIDATED DATA

DATE AUG 08 1979

NMPC



NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - D

% 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	0.2 (4)	1.2 (25)	1.4 (29)	0.0 (1)	0.0 (0)	0.0 (0)	2.8 (59)
NNE	0.1 (3)	1.0 (21)	1.2 (25)	0.0 (0)	0.0 (0)	0.0 (0)	2.3 (49)
NE	0.4 (9)	1.0 (20)	2.2 (47)	0.0 (0)	0.0 (0)	0.0 (0)	3.6 (76)
ENE	0.4 (9)	0.6 (12)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	1.0 (22)
E	0.5 (11)	1.1 (24)	0.3 (7)	0.0 (0)	0.0 (0)	0.0 (0)	2.0 (42)
ESE	0.3 (7)	0.8 (17)	1.9 (41)	0.3 (7)	0.2 (4)	0.0 (0)	3.6 (76)
SE	0.2 (5)	0.9 (19)	1.0 (20)	0.3 (7)	0.0 (1)	0.0 (0)	2.4 (51)
SSE	0.1 (2)	0.1 (2)	0.4 (9)	0.0 (1)	0.0 (0)	0.0 (0)	0.7 (14)
S	0.1 (2)	0.6 (13)	0.7 (14)	0.0 (1)	0.0 (0)	0.0 (0)	1.4 (30)
SSW	0.1 (2)	0.4 (9)	1.1 (24)	0.5 (10)	0.0 (0)	0.0 (0)	2.1 (45)
SW	0.0 (0)	0.2 (4)	0.6 (13)	0.8 (17)	0.3 (6)	0.4 (8)	2.3 (48)
WSW	0.2 (4)	0.4 (9)	0.7 (14)	0.5 (11)	0.2 (5)	1.0 (20)	3.0 (63)
W	0.1 (2)	0.5 (10)	0.7 (15)	1.0 (21)	0.6 (12)	1.0 (20)	3.8 (80)
WNW	0.2 (4)	0.5 (10)	0.3 (7)	2.3 (48)	2.1 (44)	1.0 (20)	6.3 (133)
NW	0.2 (5)	1.0 (21)	1.6 (34)	1.6 (34)	0.3 (7)	0.1 (2)	4.9 (103)
NNW	0.3 (6)	0.7 (15)	0.9 (18)	0.4 (8)	0.0 (0)	0.0 (0)	2.2 (47)
TOTAL	3.6 (75)	10.9 (230)	15.1 (318)	7.9 (166)	3.8 (79)	3.3 (70)	44.6 (938)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 952

NUMBER OF MISSING WIND OBSERVATIONS: 14

VALIDATED DATA
DATE AUG 08 1979

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - E

% 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	1.1 (24)	0.2 (5)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	1.5 (31)
NNE	0.0 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
NE	0.5 (11)	0.6 (12)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (25)
ENE	0.5 (10)	0.5 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.0 (20)
E	0.9 (19)	0.9 (18)	0.2 (5)	0.1 (3)	0.0 (1)	0.0 (0)	2.2 (46)
ESE	0.6 (13)	1.7 (36)	1.1 (24)	0.1 (3)	0.1 (3)	0.0 (1)	3.8 (80)
SE	0.4 (9)	2.8 (58)	3.0 (63)	1.1 (23)	0.0 (0)	0.0 (0)	7.3 (153)
SSE	0.3 (6)	0.8 (16)	0.7 (14)	0.7 (14)	0.0 (0)	0.0 (0)	2.4 (50)
S	0.4 (8)	0.7 (14)	0.8 (17)	0.4 (9)	0.0 (0)	0.0 (0)	2.3 (48)
SSW	0.2 (4)	0.3 (6)	0.7 (14)	0.0 (1)	0.0 (0)	0.0 (0)	1.2 (25)
SW	0.4 (8)	0.6 (12)	0.7 (14)	0.1 (2)	0.0 (0)	0.0 (0)	1.7 (36)
WSW	1.0 (21)	1.0 (21)	0.6 (12)	0.3 (7)	0.2 (4)	0.0 (1)	3.1 (66)
W	0.3 (6)	0.3 (7)	0.1 (2)	0.4 (9)	0.1 (2)	0.0 (0)	1.2 (26)
WNW	0.2 (4)	0.5 (10)	0.0 (1)	0.3 (6)	0.2 (4)	0.0 (0)	1.2 (25)
NW	0.5 (10)	0.5 (11)	0.6 (12)	0.5 (10)	0.0 (0)	0.0 (0)	2.0 (43)
NNW	0.5 (10)	0.3 (7)	0.4 (9)	0.2 (4)	0.0 (0)	0.0 (0)	1.4 (30)
TOTAL	7.8 (164)	11.7 (247)	9.1 (191)	4.3 (91)	0.7 (14)	0.1 (2)	33.7 (709)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 720

NUMBER OF MISSING WIND OBSERVATIONS: 11

VALIDATED DATA

DATE AUG 08 1979

RLO

NMPC



NIAGARA_MUHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - F

% 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	0.1 (3)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
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 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
ENE	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
E	0.4 (9)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)
ESE	0.0 (1)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
SE	0.3 (6)	1.1 (23)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	1.4 (30)
SSE	0.2 (5)	0.3 (6)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (13)
S	0.2 (4)	0.4 (9)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (13)
SSW	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
SW	0.3 (6)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (9)
WSW	0.3 (6)	0.4 (8)	0.1 (3)	0.0 (1)	0.0 (0)	0.0 (0)	0.9 (18)
W	0.1 (3)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (5)
WNW	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NW	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
NNW	0.2 (4)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
TOTAL	2.5 (53)	3.1 (65)	0.3 (6)	0.1 (2)	0.0 (0)	0.0 (0)	6.0 (126)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 126

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED DATA

DATE AUG 08 1979

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE *Lower* (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - G

% 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	0.0 (1)	0.0 (0)	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 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
ENE	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
E	0.4 (9)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (11)
ESE	0.2 (4)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
SE	0.1 (3)	0.5 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (13)
SSE	0.0 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
S	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
SSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
SW	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
WSW	0.0 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
W	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
WNW	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
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 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
TOTAL	1.6 (24)	1.2 (26)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	2.9 (60)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 60

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED DATA

DATE AUG 08 1979 *ELW*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE Lower. (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

JG120*

STABILITY CLASS - ALL

% 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	1.5 (32)	2.2 (47)	1.9 (39)	0.0 (1)	0.0 (0)	0.0 (0)	5.7 (119)
NNE	0.3 (6)	1.5 (32)	1.3 (28)	0.0 (0)	0.0 (0)	0.0 (0)	3.1 (66)
NE	1.0 (22)	1.8 (37)	2.6 (55)	0.0 (0)	0.0 (0)	0.0 (0)	5.4 (114)
ENE	1.2 (25)	1.2 (25)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	2.4 (51)
E	2.3 (48)	2.2 (46)	0.6 (12)	0.1 (2)	0.0 (1)	0.0 (0)	5.2 (110)
ESE	1.2 (25)	2.9 (62)	3.2 (67)	0.5 (10)	0.3 (7)	0.0 (1)	8.2 (172)
SE	1.1 (23)	5.3 (112)	4.4 (93)	1.8 (37)	0.2 (5)	0.0 (0)	12.8 (270)
SSE	0.7 (14)	1.4 (30)	1.3 (27)	0.9 (19)	0.0 (0)	0.0 (0)	4.3 (90)
S	0.8 (17)	1.7 (36)	1.6 (33)	0.5 (10)	0.0 (0)	0.0 (0)	4.6 (96)
SSW	0.3 (7)	1.0 (20)	1.9 (39)	0.5 (11)	0.0 (0)	0.0 (0)	3.7 (77)
SW	0.9 (18)	0.9 (19)	1.3 (27)	0.9 (19)	0.3 (6)	0.4 (8)	4.5 (95)
WSW	1.5 (32)	2.0 (42)	1.4 (29)	1.0 (21)	0.4 (9)	2.0 (42)	8.3 (175)
W	0.6 (12)	0.9 (18)	0.8 (17)	1.5 (31)	0.7 (15)	2.5 (53)	6.9 (146)
WNW	0.5 (10)	1.0 (22)	0.4 (8)	2.7 (57)	2.5 (53)	3.6 (75)	10.7 (225)
NW	0.9 (18)	1.9 (39)	2.2 (46)	3.0 (64)	1.2 (26)	0.5 (11)	9.7 (204)
NNW	1.0 (20)	1.3 (27)	1.6 (33)	0.6 (13)	0.0 (0)	0.0 (0)	4.4 (93)
TOTAL	15.5 (327)	29.2 (614)	26.3 (554)	14.1 (296)	5.8 (122)	9.0 (190)	100.0 (2103)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2134

NUMBER OF MISSING WIND OBSERVATIONS: 31

VALIDATED DATA

DATE AUG 08 1979 RLO

NMPC



NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE *LOWER* (9)

DATA FOR JAN 1 1979 THROUGH MAR 31 1979

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	1.5 (32)	2.2 (47)	1.8 (39)	0.0 (1)	0.0 (0)	0.0 (0)	5.6 (119)
NNE	0.3 (6)	1.5 (32)	1.3 (28)	0.0 (0)	0.0 (0)	0.0 (0)	3.1 (66)
NE	1.0 (22)	1.7 (37)	2.6 (55)	0.0 (0)	0.0 (0)	0.0 (0)	5.4 (114)
ENE	1.2 (25)	1.2 (25)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	2.4 (51)
E	2.3 (48)	2.2 (46)	0.6 (12)	0.1 (3)	0.0 (1)	0.0 (0)	5.2 (110)
ESE	1.2 (25)	2.9 (62)	3.1 (67)	0.5 (10)	0.3 (7)	0.0 (1)	8.1 (172)
SE	1.1 (23)	5.3 (112)	4.5 (96)	1.8 (38)	0.2 (5)	0.0 (0)	12.9 (274)
SSE	0.7 (14)	1.4 (30)	1.4 (29)	0.9 (19)	0.0 (0)	0.0 (0)	4.3 (92)
S	0.8 (17)	1.7 (36)	1.6 (35)	0.5 (10)	0.0 (0)	0.0 (0)	4.6 (98)
SSW	0.3 (7)	0.9 (20)	1.9 (39)	0.5 (11)	0.0 (0)	0.0 (0)	3.6 (77)
SW	0.8 (16)	0.9 (19)	1.3 (27)	0.9 (20)	0.4 (8)	0.4 (8)	4.6 (98)
WSW	1.5 (32)	2.0 (42)	1.4 (29)	1.0 (21)	0.6 (13)	2.2 (46)	8.6 (183)
W	0.6 (12)	0.8 (18)	0.8 (17)	1.5 (32)	0.8 (18)	2.5 (54)	7.1 (151)
WNW	0.5 (10)	1.0 (22)	0.4 (8)	2.7 (57)	2.5 (53)	3.5 (75)	10.6 (225)
NW	0.8 (18)	1.8 (39)	2.2 (46)	3.0 (64)	1.2 (26)	0.5 (11)	9.6 (204)
NNW	0.9 (20)	1.3 (27)	1.6 (33)	0.6 (13)	0.0 (0)	0.0 (0)	4.4 (93)
TOTAL	15.4 (327)	28.9 (614)	26.4 (561)	14.1 (299)	6.2 (131)	9.2 (195)	100.0 (2127)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2160

NUMBER OF MISSING WIND OBSERVATIONS: 33

VALIDATED DATA

DATE AUG 08 1979 *elo*

NMPC



NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - A

% 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	0.0 (0)	0.0 (1)	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.3 (6)
NNE	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (4)
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 (1)	0.0 (0)	0.0 (0)	0.0 (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)	0.0 (0)	0.0 (1)	0.1 (2)	0.4 (8)	0.0 (1)	0.6 (12)
SSE	0.0 (0)	0.0 (0)	0.2 (4)	0.7 (14)	0.0 (1)	0.0 (0)	0.9 (19)
S	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (3)
SSW	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (3)
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 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (2)
W	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (1)	0.0 (0)	0.2 (4)
WNW	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (3)
NW	0.0 (0)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (4)
NNW	0.0 (0)	0.2 (4)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.2 (5)
TOTAL	0.0 (0)	0.4 (9)	0.9 (19)	1.2 (26)	0.6 (12)	0.0 (1)	3.2 (67)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 72

NUMBER OF MISSING WIND OBSERVATIONS: 5

VALIDATED DATA

DATE AUG 08 1979 *per*

NMPC



NIAGARA-MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120#

STABILITY CLASS - 8

% 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	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (2)
NNE	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (3)
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 (1)	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 (1)	0.0 (0)	0.0 (0)	0.0 (1)
SE	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (1)	0.1 (3)
SSE	0.0 (0)	0.0 (0)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (3)
S	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (2)
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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
W	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (3)	0.2 (4)
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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
TOTAL	0.1 (2)	0.0 (1)	0.3 (7)	0.3 (7)	0.0 (0)	0.2 (4)	1.0 (21)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 21

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED DATA

DATE AUG 08 1979 *RCO*

NMPC

NIAGARA-MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - C

% 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	0.0 (0)	0.0 (1)	0.0 (0)	0.1 (3)	0.0 (0)	0.0 (0)	0.2 (4)
NNE	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
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 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)
SE	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)	0.2 (4)	0.0 (1)	0.6 (13)
SSE	0.0 (0)	0.0 (0)	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.2 (5)
S	0.0 (0)	0.0 (0)	0.1 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (5)
SSW	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (1)
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 (1)	0.1 (2)	0.1 (2)	0.0 (1)	0.3 (6)
W	0.0 (0)	0.0 (0)	0.3 (6)	0.0 (0)	0.1 (2)	0.6 (12)	0.9 (20)
WNW	0.0 (0)	0.0 (1)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (4)	0.3 (7)
NW	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (1)	0.1 (2)	0.2 (5)
NNW	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)	0.2 (4)
TOTAL	0.0 (1)	0.1 (3)	0.8 (17)	0.9 (20)	0.4 (9)	1.0 (22)	3.4 (72)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 76

NUMBER OF MISSING WIND OBSERVATIONS: 4

VALIDATED DATA
AUG-08-1979
DATE *lin*

NMPC



NIAGARA-MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - D

% 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	0.1 (2)	0.1 (3)	0.2 (4)	0.3 (6)	0.2 (4)	0.1 (3)	1.0 (22)
NNE	0.0 (0)	0.2 (5)	0.4 (9)	0.3 (7)	0.2 (4)	0.0 (1)	1.2 (26)
NE	0.0 (1)	0.1 (3)	0.2 (4)	0.0 (0)	0.0 (1)	0.3 (7)	0.8 (16)
ENE	0.0 (1)	0.1 (2)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.3 (6)
E	0.1 (2)	0.2 (4)	0.2 (4)	0.1 (2)	0.0 (0)	0.0 (0)	0.6 (12)
ESE	0.0 (0)	0.0 (1)	0.1 (2)	0.2 (4)	0.1 (2)	0.0 (1)	0.5 (10)
SE	0.0 (1)	0.2 (5)	0.2 (4)	1.2 (25)	0.2 (5)	0.3 (7)	2.2 (47)
SSE	0.2 (4)	0.3 (6)	0.3 (6)	1.0 (21)	0.5 (11)	0.0 (1)	2.3 (49)
S	0.0 (1)	0.1 (3)	0.8 (16)	1.0 (21)	0.2 (4)	0.0 (0)	2.1 (45)
SSW	0.1 (3)	0.2 (4)	0.1 (2)	0.2 (5)	0.0 (0)	0.0 (0)	0.7 (14)
SW	0.0 (0)	0.0 (0)	0.1 (3)	0.2 (4)	0.0 (0)	0.2 (5)	0.6 (12)
WSW	0.0 (0)	0.1 (3)	0.8 (17)	2.0 (42)	1.7 (37)	1.1 (24)	5.8 (123)
W	0.0 (1)	0.1 (3)	1.0 (22)	1.9 (40)	2.0 (43)	1.9 (41)	7.1 (150)
WNW	0.0 (0)	0.2 (4)	0.0 (1)	0.7 (15)	0.3 (7)	0.5 (10)	1.7 (37)
NW	0.0 (1)	0.1 (3)	0.1 (3)	0.1 (3)	0.0 (1)	0.5 (10)	1.0 (21)
NNW	0.0 (1)	0.0 (1)	0.0 (1)	0.4 (8)	0.1 (2)	0.1 (3)	0.8 (16)
TOTAL	0.9 (18)	2.4 (50)	4.7 (100)	9.6 (204)	5.7 (121)	5.3 (113)	28.6 (606)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 629

NUMBER OF MISSING WIND OBSERVATIONS: 23

VALIDATED BY:

DATE AUG 08 1979 *RLS*

NMPC



NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - E

% 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	0.3 (6)	0.2 (5)	0.2 (4)	0.1 (2)	0.3 (6)	0.0 (1)	1.1 (24)
NNE	0.3 (6)	0.3 (7)	0.6 (13)	0.1 (2)	0.1 (3)	0.9 (18)	2.3 (49)
NE	0.0 (1)	0.2 (4)	0.3 (6)	0.0 (1)	0.3 (6)	0.3 (6)	1.1 (24)
ENE	0.2 (4)	0.1 (2)	0.4 (8)	0.0 (1)	0.0 (1)	0.0 (0)	0.8 (16)
E	0.1 (3)	0.2 (5)	0.2 (5)	0.2 (4)	0.0 (1)	0.0 (0)	0.9 (18)
ESE	0.1 (3)	0.2 (4)	0.1 (2)	0.5 (11)	0.0 (1)	0.0 (1)	1.0 (22)
SE	0.1 (3)	0.2 (5)	0.7 (14)	3.3 (70)	0.9 (16)	0.6 (12)	5.7 (120)
SSE	0.1 (3)	0.2 (4)	0.7 (14)	1.7 (36)	0.9 (20)	0.1 (3)	3.8 (30)
S	0.2 (4)	0.3 (6)	0.5 (10)	1.2 (25)	1.0 (21)	0.1 (2)	3.2 (68)
SSW	0.1 (2)	0.2 (4)	0.8 (17)	0.9 (19)	0.2 (5)	0.0 (0)	2.2 (47)
SW	0.0 (0)	0.4 (9)	1.1 (24)	0.9 (20)	0.2 (5)	0.2 (4)	2.9 (62)
WSW	0.2 (5)	0.7 (14)	0.9 (20)	1.4 (30)	0.7 (15)	0.3 (6)	4.3 (90)
W	0.3 (7)	1.0 (21)	0.9 (20)	0.9 (19)	0.4 (9)	0.8 (17)	4.3 (92)
WNW	0.1 (2)	0.5 (10)	0.3 (6)	0.3 (6)	0.2 (4)	0.5 (11)	1.8 (39)
NW	0.2 (4)	0.1 (2)	0.3 (6)	0.2 (5)	0.0 (0)	0.0 (1)	0.9 (18)
NNW	0.1 (3)	0.1 (2)	0.0 (0)	0.1 (3)	0.3 (6)	0.1 (2)	0.8 (16)
TOTAL	2.6 (56)	4.9 (104)	8.0 (169)	12.0 (253)	5.6 (119)	4.0 (84)	37.1 (785)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 789

NUMBER OF MISSING WIND OBSERVATIONS: 4

VALIDATED DATA

DATE AUG 08 1979

NMPC



NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - F

% 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	0.1 (3)	0.2 (4)	0.2 (4)	0.3 (7)	0.0 (0)	0.1 (2)	0.9 (20)
NNE	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (1)	0.2 (5)
NE	0.1 (2)	0.1 (3)	0.3 (6)	0.1 (2)	0.0 (0)	0.3 (6)	0.9 (19)
ENE	0.0 (1)	0.0 (1)	0.7 (15)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (17)
E	0.0 (0)	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
ESE	0.0 (0)	0.1 (2)	0.2 (4)	0.2 (4)	0.0 (0)	0.0 (0)	0.5 (10)
SE	0.0 (0)	0.2 (4)	0.3 (6)	0.5 (11)	0.1 (2)	0.0 (0)	1.1 (23)
SSE	0.0 (0)	0.1 (3)	0.4 (8)	0.6 (13)	0.0 (1)	0.0 (0)	1.2 (25)
S	0.1 (2)	0.0 (1)	0.2 (5)	0.6 (12)	0.1 (2)	0.0 (0)	1.0 (22)
SSW	0.0 (1)	0.1 (2)	0.2 (4)	0.4 (8)	0.1 (3)	0.0 (0)	0.9 (19)
SW	0.1 (2)	0.2 (4)	0.5 (10)	0.3 (6)	0.0 (1)	0.0 (0)	1.1 (23)
WSW	0.1 (2)	0.6 (12)	0.4 (9)	0.3 (7)	0.4 (9)	0.0 (0)	1.8 (39)
W	0.1 (2)	0.2 (5)	0.3 (7)	0.3 (7)	0.0 (0)	0.0 (0)	1.0 (21)
WNW	0.1 (2)	0.2 (4)	0.2 (5)	0.1 (3)	0.0 (0)	0.0 (0)	0.7 (14)
NW	0.1 (2)	0.0 (1)	0.1 (2)	0.2 (5)	0.0 (0)	0.0 (0)	0.5 (10)
NNW	0.0 (0)	0.1 (2)	0.1 (3)	0.2 (5)	0.0 (1)	0.2 (4)	0.7 (15)
TOTAL	0.9 (19)	2.4 (51)	4.3 (92)	4.3 (91)	0.9 (20)	0.6 (13)	13.5 (286)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 286

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED

DATE AUG 08 1979 *RLS*

NMPC

NIAGARA_MUHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - G

% 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	0.0 (0)	0.1 (2)	0.2 (5)	0.0 (1)	0.0 (0)	0.0 (1)	0.4 (9)
NNE	0.1 (3)	0.1 (3)	0.2 (4)	0.2 (4)	0.0 (1)	0.1 (2)	0.8 (17)
NE	0.2 (4)	0.0 (0)	0.1 (3)	0.1 (3)	0.0 (1)	0.0 (0)	0.5 (11)
ENE	0.1 (2)	0.5 (10)	0.5 (11)	0.0 (1)	0.0 (0)	0.0 (0)	1.1 (24)
E	0.1 (2)	0.3 (6)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.6 (12)
ESE	0.1 (2)	0.3 (6)	0.4 (9)	0.1 (2)	0.0 (0)	0.0 (0)	0.9 (19)
SE	0.0 (1)	0.0 (1)	0.2 (4)	0.4 (9)	0.0 (1)	0.0 (0)	0.3 (16)
SSE	0.1 (3)	0.1 (2)	0.4 (9)	0.1 (3)	0.0 (1)	0.0 (0)	0.9 (18)
S	0.0 (0)	0.6 (12)	0.3 (7)	0.5 (10)	0.0 (0)	0.0 (0)	1.4 (29)
SSW	0.0 (0)	0.6 (12)	0.5 (11)	0.1 (3)	0.0 (0)	0.0 (0)	1.2 (26)
SW	0.1 (3)	0.5 (10)	0.3 (6)	0.1 (2)	0.0 (0)	0.0 (0)	1.0 (21)
WSW	0.2 (5)	0.4 (9)	0.4 (9)	0.1 (3)	0.0 (0)	0.0 (0)	1.2 (26)
W	0.4 (8)	0.5 (10)	0.6 (12)	0.0 (0)	0.0 (1)	0.0 (0)	1.5 (31)
WNW	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
NW	0.1 (2)	0.2 (4)	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (8)
NNW	0.1 (2)	0.2 (5)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (1)	0.4 (9)
TOTAL	1.8 (39)	4.4 (93)	4.4 (94)	2.1 (44)	0.2 (5)	0.2 (4)	13.2 (279)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 289

NUMBER OF MISSING WIND OBSERVATIONS: 10

VALIDATED DATA

DATE 'AUG 08 1979 *ELD*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - ALL

% 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	0.6 (12)	0.8 (16)	0.9 (19)	1.1 (23)	0.5 (10)	0.3 (7)	4.1 (87)
NNE	0.5 (10)	0.9 (18)	1.4 (30)	0.8 (16)	0.4 (9)	1.0 (22)	5.0 (105)
NE	0.4 (8)	0.5 (10)	1.0 (21)	0.3 (6)	0.4 (9)	0.9 (19)	3.4 (72)
ENE	0.4 (8)	0.7 (15)	1.7 (37)	0.1 (3)	0.0 (1)	0.0 (0)	3.0 (64)
E	0.4 (8)	0.8 (17)	0.7 (14)	0.4 (8)	0.0 (1)	0.0 (0)	2.3 (48)
ESE	0.2 (5)	0.6 (13)	0.8 (17)	1.0 (22)	0.1 (3)	0.1 (2)	2.9 (62)
SE	0.2 (5)	0.7 (15)	1.4 (29)	6.0 (127)	1.7 (36)	1.0 (22)	11.1 (234)
SSE	0.5 (10)	0.7 (15)	2.1 (45)	4.3 (91)	1.6 (34)	0.2 (4)	9.4 (199)
S	0.3 (7)	1.0 (22)	2.1 (44)	3.4 (72)	1.3 (27)	0.1 (2)	8.2 (174)
SSW	0.3 (6)	1.0 (22)	1.7 (36)	1.7 (37)	0.4 (8)	0.0 (0)	5.2 (109)
SW	0.2 (5)	1.1 (23)	2.0 (43)	1.5 (32)	0.3 (6)	0.4 (9)	5.6 (118)
WSW	0.6 (12)	1.8 (38)	2.7 (58)	4.0 (84)	3.0 (64)	1.5 (31)	13.6 (287)
W	0.9 (18)	1.8 (39)	3.3 (69)	3.2 (67)	2.6 (56)	3.4 (73)	15.2 (322)
WNW	0.2 (5)	1.0 (21)	0.8 (16)	1.1 (24)	0.6 (12)	1.2 (25)	4.9 (103)
NW	0.4 (9)	0.6 (12)	0.7 (14)	0.8 (16)	0.1 (2)	0.6 (13)	3.1 (66)
NNW	0.3 (7)	0.7 (15)	0.3 (6)	0.8 (17)	0.4 (9)	0.6 (12)	3.1 (66)
TOTAL	6.4 (135)	14.7 (311)	23.5 (498)	30.5 (645)	13.5 (286)	11.4 (241)	100.0 (2116)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2162

NUMBER OF MISSING WIND OBSERVATIONS: 46

VALIDATED DATA

DATE 06/30/80 gny eco

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE UPPER (S)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

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	0.6 (12)	0.9 (16)	0.9 (19)	1.1 (24)	0.5 (10)	0.3 (7)	4.1 (88)
NNE	0.5 (10)	0.8 (18)	1.4 (30)	0.9 (16)	0.4 (9)	1.0 (22)	4.9 (105)
NE	0.4 (8)	0.5 (10)	1.0 (21)	0.3 (6)	0.4 (8)	0.9 (19)	3.4 (72)
ENE	0.4 (8)	0.7 (15)	1.7 (37)	0.1 (3)	0.0 (1)	0.0 (0)	3.0 (64)
E	0.4 (8)	0.9 (17)	0.7 (14)	0.4 (8)	0.0 (1)	0.0 (0)	2.3 (48)
ESE	0.2 (5)	0.6 (13)	0.8 (17)	1.0 (22)	0.1 (3)	0.1 (2)	2.9 (62)
SE	0.2 (5)	0.7 (15)	1.4 (29)	6.0 (128)	1.7 (36)	1.0 (22)	11.0 (235)
SSE	0.5 (10)	0.7 (15)	2.1 (45)	4.3 (91)	1.6 (34)	0.2 (4)	9.4 (199)
S	0.3 (7)	1.0 (22)	2.1 (44)	3.4 (72)	1.3 (27)	0.1 (2)	8.2 (174)
SSW	0.3 (6)	1.0 (22)	1.7 (36)	1.7 (37)	0.4 (8)	0.0 (0)	5.1 (109)
SW	0.2 (5)	1.1 (23)	2.0 (43)	1.5 (32)	0.3 (6)	0.4 (9)	5.5 (118)
WSW	0.6 (12)	1.8 (38)	2.7 (58)	3.9 (84)	3.0 (64)	1.5 (31)	13.5 (287)
W	0.9 (19)	1.9 (39)	3.2 (69)	3.1 (67)	2.6 (56)	3.4 (72)	15.2 (323)
WNW	0.2 (5)	1.0 (21)	0.8 (16)	1.2 (26)	0.6 (12)	1.2 (25)	4.9 (105)
NW	0.4 (9)	0.6 (12)	0.7 (14)	0.8 (17)	0.1 (2)	0.6 (13)	3.1 (67)
NNW	0.3 (7)	0.7 (15)	0.3 (6)	1.0 (21)	0.5 (11)	0.6 (12)	3.4 (72)
TOTAL	6.4 (136)	14.6 (311)	23.4 (498)	30.7 (654)	13.5 (288)	11.3 (241)	100.0 (2128)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2184

NUMBER OF MISSING WIND OBSERVATIONS: 56

VALIDATED DATA

DATE AUG 08 1979 RLO

NMPC



NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - A

% 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	0.0 (0)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
NNE	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NE	0.1 (2)	0.0 (0)	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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
ESE	0.0 (1)	0.0 (1)	0.2 (4)	0.1 (2)	0.0 (0)	0.0 (0)	0.4 (8)
SE	0.2 (4)	0.0 (1)	0.5 (10)	0.0 (1)	0.0 (0)	0.0 (0)	0.8 (16)
SSE	0.0 (0)	0.0 (0)	0.5 (11)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (11)
S	0.0 (0)	0.2 (4)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (7)
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 (1)	0.0 (0)	0.0 (0)	0.0 (1)
W	0.0 (0)	0.1 (3)	0.1 (2)	0.1 (2)	0.0 (0)	0.0 (0)	0.3 (7)
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)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
NNW	0.0 (0)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
TOTAL	0.4 (9)	1.1 (23)	1.4 (30)	0.3 (6)	0.0 (0)	0.0 (0)	3.2 (68)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 72

NUMBER OF MISSING WIND OBSERVATIONS: 4

VALIDATED DATA

DATE AUG 08 1979 *RL*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - B

4 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	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NNE	0.0 (0)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NE	0.0 (1)	0.0 (0)	0.0 (0)	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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
ESE	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.1 (2)
SE	0.0 (0)	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
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)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
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 (1)	0.0 (0)	0.0 (0)	0.0 (1)	0.1 (2)
W	0.0 (0)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (1)	0.1 (3)
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 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
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)	0.2 (5)	0.4 (8)	0.0 (1)	0.0 (1)	0.1 (2)	1.0 (21)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 21

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED DATA

DATE AUG 08 1979 RCD

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE Lower (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - C

% 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	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
NNE	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
NE	0.0 (1)	0.0 (0)	0.0 (0)	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)	0.1 (3)	0.1 (2)	0.0 (0)	0.0 (0)	0.2 (5)
SE	0.0 (0)	0.0 (1)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (9)
SSE	0.0 (0)	0.0 (0)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (3)
S	0.0 (0)	0.1 (2)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (7)
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 (1)	0.1 (3)	0.0 (1)	0.0 (0)	0.0 (1)	0.3 (6)
W	0.0 (1)	0.0 (1)	0.3 (6)	0.1 (2)	0.5 (11)	0.1 (2)	1.1 (23)
WNW	0.0 (0)	0.0 (1)	0.0 (1)	0.0 (1)	0.0 (0)	0.2 (4)	0.3 (7)
NW	0.0 (1)	0.0 (1)	0.0 (0)	0.2 (4)	0.0 (0)	0.0 (0)	0.3 (6)
NNW	0.0 (1)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
TOTAL	0.5 (10)	0.4 (9)	1.4 (29)	0.5 (10)	0.5 (11)	0.3 (7)	3.6 (76)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 76

NUMBER OF MISSING WIND OBSERVATIONS: 0

VALIDATED DATA

DATE 8/8/79 RLD

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG12G*

STABILITY CLASS - D

% 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	0.3 (6)	0.8 (17)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	1.1 (24)
NNE	0.1 (3)	0.6 (13)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (16)
NE	0.3 (7)	0.3 (7)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (18)
ENE	0.5 (11)	0.4 (8)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (20)
E	0.3 (7)	0.5 (11)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	1.0 (22)
ESE	0.1 (2)	0.4 (9)	0.8 (18)	0.4 (9)	0.0 (0)	0.0 (0)	1.8 (38)
SE	0.2 (4)	0.2 (5)	1.3 (27)	0.3 (6)	0.0 (0)	0.0 (0)	2.0 (42)
SSE	0.2 (5)	0.8 (16)	0.5 (11)	0.0 (0)	0.0 (0)	0.0 (0)	1.5 (32)
S	0.2 (4)	0.8 (18)	1.3 (27)	0.0 (0)	0.0 (0)	0.0 (0)	2.3 (49)
SSW	0.0 (1)	0.1 (3)	0.2 (5)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (9)
SW	0.0 (0)	0.1 (3)	0.4 (9)	0.1 (2)	0.1 (2)	0.1 (3)	0.9 (19)
WSW	0.0 (0)	0.6 (12)	2.0 (42)	3.5 (74)	0.9 (20)	0.4 (8)	7.4 (156)
W	0.1 (2)	0.5 (10)	1.5 (32)	2.1 (45)	1.1 (23)	0.3 (7)	5.6 (119)
WNW	0.0 (1)	0.2 (4)	0.3 (7)	0.2 (5)	0.1 (2)	0.5 (11)	1.4 (30)
NW	0.1 (2)	0.2 (5)	0.2 (4)	0.3 (7)	0.0 (0)	0.0 (1)	0.9 (19)
NNW	0.2 (5)	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)
TOTAL	2.8 (60)	6.7 (142)	9.2 (195)	7.0 (148)	2.2 (47)	1.4 (30)	29.4 (623)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 629

NUMBER OF MISSING WIND OBSERVATIONS: 6

VALIDATED DATA

DATE 8/8/79 RLD

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - E

% 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	0.9 (19)	0.6 (12)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	1.6 (34)
NNE	0.4 (8)	0.5 (11)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	1.1 (23)
NE	0.7 (15)	0.9 (16)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	1.8 (39)
ENE	1.0 (21)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.3 (27)
E	0.8 (16)	0.9 (16)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	1.6 (33)
ESE	0.4 (9)	1.7 (37)	1.2 (25)	0.1 (3)	0.0 (0)	0.0 (0)	3.5 (74)
SE	3.3 (6)	2.2 (46)	2.4 (50)	0.4 (9)	0.0 (0)	0.0 (0)	5.2 (111)
SSE	0.2 (4)	0.7 (14)	1.0 (21)	0.2 (5)	0.0 (0)	0.0 (0)	2.1 (44)
S	0.6 (13)	2.0 (42)	1.3 (28)	0.0 (0)	0.0 (0)	0.0 (0)	3.9 (83)
SSW	0.2 (4)	0.4 (9)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (16)
SW	0.4 (8)	1.2 (25)	0.8 (17)	0.2 (5)	0.0 (1)	0.0 (0)	2.6 (56)
WSW	0.2 (6)	1.5 (32)	2.1 (44)	0.9 (19)	0.0 (1)	0.1 (2)	4.9 (104)
W	0.6 (13)	0.8 (18)	0.8 (17)	0.8 (17)	0.2 (5)	0.4 (8)	3.7 (78)
WNW	0.1 (3)	0.5 (11)	0.4 (8)	0.0 (1)	0.0 (0)	0.2 (4)	1.3 (27)
NW	0.4 (8)	0.1 (2)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (13)
NNW	0.3 (7)	0.1 (3)	0.1 (3)	0.0 (1)	0.0 (0)	0.0 (0)	0.7 (14)
TOTAL	7.5 (160)	14.1 (300)	11.1 (235)	2.8 (60)	0.3 (7)	0.7 (14)	36.6 (776)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 789

NUMBER OF MISSING WIND OBSERVATIONS: 13

VALIDATED DATA

DATE 8/8/79 RLD

NMPC



NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120#

STABILITY CLASS - F

% 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)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (11)
NNE	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (1)
NE	0.3 (6)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
ENE	0.6 (12)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (14)
E	1.1 (24)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.3 (27)
ESE	0.6 (13)	0.7 (14)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.3 (27)
SE	0.1 (2)	0.7 (15)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (17)
SSE	0.4 (9)	0.5 (10)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.9 (19)
S	0.5 (11)	1.0 (21)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	1.6 (35)
SSW	0.3 (6)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (12)
SW	0.1 (3)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
WSW	0.3 (6)	0.5 (10)	0.5 (10)	0.4 (8)	0.0 (0)	0.0 (0)	1.8 (34)
W	0.4 (9)	0.7 (14)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (25)
WNW	0.1 (3)	0.2 (5)	0.1 (2)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (10)
NW	0.3 (7)	0.2 (4)	0.2 (4)	0.0 (1)	0.0 (0)	0.0 (0)	0.8 (16)
NNW	0.2 (5)	0.1 (3)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.5 (11)
TOTAL	5.8 (124)	5.6 (119)	1.2 (25)	0.4 (9)	0.0 (0)	0.0 (0)	13.1 (277)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 286

NUMBER OF MISSING WIND OBSERVATIONS: 9

VALIDATED DATA

DATE AUG 08 1979 RLO

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER: (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - G

% 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	0.3 (7)	0.4 (9)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.8 (16)
NNE	0.0 (1)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.2 (5)
NE	0.1 (2)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
ENE	0.7 (14)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.7 (15)
E	2.0 (43)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	2.2 (47)
ESE	1.7 (37)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	2.1 (45)
SE	1.0 (22)	0.3 (7)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.4 (29)
SSE	1.2 (26)	0.5 (11)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.7 (37)
S	0.7 (15)	0.5 (11)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	1.2 (26)
SSW	0.1 (3)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
SW	0.0 (1)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.1 (2)
WSW	0.2 (5)	0.2 (4)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (13)
W	0.5 (10)	0.1 (2)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.6 (13)
WNW	0.2 (5)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.4 (8)
NW	0.3 (6)	0.0 (0)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (7)
NNW	0.1 (3)	0.1 (3)	0.0 (0)	0.0 (0)	0.0 (0)	0.0 (0)	0.3 (6)
TOTAL	9.4 (200)	3.5 (74)	0.3 (7)	0.0 (0)	0.0 (0)	0.0 (0)	13.2 (281)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 289

NUMBER OF MISSING WIND OBSERVATIONS: 8

VALIDATED DATA
DATE AUG 08 1979 *PLD*

NMPC

NIAGARA MOHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LOWER (?)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

STABILITY CLASS - ALL

% 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	2.2 (47)	2.1 (44)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	4.5 (95)
NNE	0.7 (15)	1.5 (32)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	2.4 (51)
NE	1.6 (34)	1.6 (33)	0.6 (12)	0.0 (0)	0.0 (0)	0.0 (0)	3.7 (79)
ENE	2.7 (58)	0.8 (17)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	3.6 (76)
E	4.2 (90)	1.6 (35)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	6.2 (131)
ESE	3.6 (83)	3.3 (69)	2.4 (50)	0.8 (17)	0.0 (0)	0.0 (0)	9.4 (199)
SE	1.8 (38)	3.6 (77)	4.6 (98)	0.8 (16)	0.0 (0)	0.0 (0)	10.8 (229)
SSE	2.1 (44)	2.4 (51)	2.2 (46)	0.2 (5)	0.0 (0)	0.0 (0)	6.9 (146)
S	2.0 (43)	4.6 (98)	3.2 (68)	0.0 (0)	0.0 (0)	0.0 (0)	9.8 (209)
SSW	0.7 (14)	1.0 (21)	0.4 (9)	0.0 (0)	0.0 (0)	0.0 (0)	2.0 (43)
SW	0.6 (12)	1.4 (30)	1.3 (28)	0.3 (7)	0.1 (3)	0.1 (3)	3.9 (83)
WSW	0.8 (17)	2.8 (59)	4.9 (104)	4.9 (103)	1.0 (21)	0.6 (12)	14.9 (316)
W	1.6 (35)	2.3 (48)	2.9 (61)	3.1 (66)	1.9 (40)	0.8 (18)	12.6 (268)
WNW	0.6 (12)	1.1 (24)	0.8 (18)	0.3 (7)	0.1 (2)	0.9 (19)	3.9 (82)
NW	1.1 (24)	0.8 (19)	0.6 (12)	0.6 (12)	0.0 (0)	0.0 (1)	3.2 (67)
NNW	1.0 (21)	0.8 (17)	0.4 (9)	0.0 (1)	0.0 (0)	0.0 (0)	2.3 (48)
TOTAL	26.7 (567)	31.7 (673)	24.9 (529)	11.0 (234)	3.1 (66)	2.5 (53)	100.0 (2122)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2162

NUMBER OF MISSING WIND OBSERVATIONS: 40

VALIDATED DATA
DATE AUG 08 1979 RLO

NMPC

NIAGARA MUHAWK

OSWEGO

AMBIENT AIR MONITORING

SITE: NINE MILE LONGER (9)

DATA FOR APR 1 1979 THROUGH JUNE 30 1979

JG120*

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

DIR	C0-03	C4-07	C8-12	13-18	19-23	>24	TOTAL
N	2.2 (47)	2.1 (44)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	4.5 (95)
NNE	0.7 (15)	1.5 (32)	0.2 (4)	0.0 (0)	0.0 (0)	0.0 (0)	2.4 (51)
NE	1.6 (34)	1.5 (33)	0.6 (12)	0.0 (0)	0.0 (0)	0.0 (0)	3.7 (79)
ENE	2.7 (58)	0.8 (17)	0.0 (1)	0.0 (0)	0.0 (0)	0.0 (0)	3.6 (76)
E	4.2 (90)	1.6 (35)	0.3 (6)	0.0 (0)	0.0 (0)	0.0 (0)	6.1 (131)
ESE	3.0 (63)	3.2 (69)	2.3 (50)	0.8 (17)	0.0 (0)	0.0 (0)	9.3 (199)
SE	1.8 (38)	3.6 (77)	4.6 (98)	0.8 (16)	0.0 (0)	0.0 (0)	10.7 (229)
SSE	2.1 (44)	2.4 (51)	2.2 (46)	0.2 (5)	0.0 (0)	0.0 (0)	6.9 (146)
S	2.0 (43)	4.6 (98)	3.2 (68)	0.0 (0)	0.0 (0)	0.0 (0)	9.8 (209)
SSW	0.7 (14)	1.0 (21)	0.4 (8)	0.0 (0)	0.0 (0)	0.0 (0)	2.0 (43)
SW	0.6 (12)	1.4 (30)	1.3 (28)	0.3 (7)	0.1 (3)	0.1 (3)	3.9 (83)
WSW	0.8 (17)	2.8 (59)	5.0 (107)	5.1 (108)	1.0 (21)	0.6 (12)	15.2 (324)
W	1.6 (35)	2.3 (48)	2.9 (61)	3.1 (66)	1.9 (40)	0.8 (18)	12.6 (268)
WNW	0.6 (13)	1.1 (24)	0.8 (18)	0.3 (7)	0.1 (2)	0.9 (19)	3.9 (83)
NW	1.1 (24)	0.8 (18)	0.6 (12)	0.6 (12)	0.0 (0)	0.0 (1)	3.1 (67)
NNW	1.0 (21)	0.8 (17)	0.4 (9)	0.0 (1)	0.0 (0)	0.0 (0)	2.3 (48)
TOTAL	26.7 (568)	31.6 (673)	25.0 (532)	11.2 (239)	3.1 (66)	2.5 (53)	100.0 (2131)

NUMBER OF POSSIBLE HOURLY OBSERVATIONS: 2184

NUMBER OF MISSING WIND OBSERVATIONS: 53

VALIDATED DATA
DATE AUG 08 1979 *PLD*

NMPC

