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May 1, 2001

Re: Indian Point Unit Nos. 1 and 2
Docket Nos. 50-3 and 50-247
NL-01-051

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, DC 20555

SUBJECT: Annual Effluent and Waste Disposal Report

Attached is the 2000 Annual Effluent and Waste Disposal Report for Consolidated Edison's Indian Point Unit Nos. 1 and 2.

No new regulatory commitments are being made by Con Edison in this correspondence.

Should you have any questions regarding this matter, please contact Mr. John McCann, Manager, Nuclear Safety and Licensing at (914) 734-5074.

Sincerely,

A. Alan Blind

Attachments

IRAS
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cc: Mr. Hubert J. Miller
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ANNUAL
EFFLUENT AND WASTE DISPOSAL REPORT
2000

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
INDIAN POINT UNIT NOS. 1 & 2
DOCKET NOS. 50-03 & 50-247
MAY, 2001

ANNUAL
EFFLUENT AND WASTE DISPOSAL REPORT

2000

FACILITY: Indian Point Station (Units 1 and 2)

LICENSEE: Consolidated Edison Company of New York, Inc.

This information is provided pursuant to 10 CFR 50.36a(a)(2) and employs certain guidance as set forth in Regulatory Guide 1.21, Revision 1. The numbered sections of this part of the report reference corresponding sections of the subject Regulatory Guide, pages 1.21-10 through 1.21-12. This Annual Effluent and Waste Disposal Report for Indian Point Units 1 and 2 covers discharges for 2000. Entergy Nuclear Northeast, licensee of Indian Point Unit 3, will issue separate reports for the Indian Point Unit No. 3 facility.

A. Supplemental Information and Definition

1. Regulatory Limits

Indian Point Units 1 and 2 are presently subject to radioactive waste release specifications that are set forth in Appendix A to Facility Operating Licenses DPR-5 and DPR-26, entitled "Technical Specifications and Bases" (Indian Point Unit No. 2 Technical Specification Section 3.9 "Radioactive Effluents").

2. Maximum Permissible Concentrations (MPC)

Gaseous Effluents

Concentrations of gaseous discharges in unrestricted areas are computed by producing release rate (Q) and the annual average dispersion factor (X/Q) at the most restrictive site boundary location. The mixture percent of MPC* is obtained by adding the effects of each nuclide; the effect of each nuclide is, in turn, the quotient of its computed concentration and its MPC.

* 10 CFR 20 Appendix B Table 2 Col 1 (Pre-1994).

Liquid Effluents

All liquid discharges from Indian Point are made through a common discharge canal with a minimum of 100,000 gpm dilution water. The isotopic content, excluding tritium and dissolved noble gas, of continuous and batch mode discharges of liquid effluent for each calendar quarter has been added and a weighted average fraction of MPC* has been calculated for this isotopic mixture. The percent of the applicable limit reported in Section C of this document is the percent of MPC concentration of the time-average diluted concentration for each quarter.

The tritium limit has been established in the same manner as the limits for other isotopes in liquid effluents. A derived MPC of 2×10^{-4} uCi/ml for dissolved noble gases has been conservatively adopted for liquid effluents due to the swimming pathway.

* 10 CFR 20 Appendix B Table 2 Col 2 (Pre-1994).

3. Average Energy

The average energy (\bar{E})* of the radionuclide mixture in releases of fission and activation gases for the four quarters in 2000 are provided below:

	<u>1st</u> <u>Quarter</u>	<u>2nd</u> <u>Quarter</u>	<u>3rd</u> <u>Quarter</u>	<u>4th</u> <u>Quarter</u>
Beta	0.137	0.070	0.059	0.126
Gamma	0.052	0.000	0.025	0.001

* Values in Mev/Dis.

4. Measurements and Approximations of Total Radioactivity

a. Fission and Activation Gases

Analysis of effluent gases was performed in compliance with the requirements of Table 4.10-3 of the Technical Specifications. In the case of isolated tanks (batch releases), the total activity discharged was based on an isotopic analysis of each batch and the volume of gas in that batch.

Vapor Containment ventilation discharges have generally been treated as batch releases. At least one complete isotopic concentration analysis of containment air was performed per week. This was applied to gross analysis of the ventilation air performed prior to each discharge. This information

was combined with the volume of air in each discharge to calculate the radionuclide composition of these discharges.

The continuous discharges were based on the isotopic content determined from weekly samples of ventilation air. This information was combined with total air volume discharged by this route. The accumulation of batch and containment ventilation releases was then used to determine total discharges.

b.&.c Iodines and Particulates

Iodine-131 and particulate releases are quantified by collecting a continuous sample of ventilation air on a potassium-iodide impregnated activated charcoal cartridge and a glass-fiber filter paper. These samples are obtained as required by Table 4.10-3 of the Technical Specifications. The concentration of isotopes found by analysis of these samples was combined with the volume of air discharged during the sampling period to calculate the amount of activity discharged.

For other iodine isotopes the ratio of each isotope to Iodine-131 was determined by a monthly 24 hour composite sample. This ensures the proper identification of the short-lived I-133 and I-135 isotopes.

d. Liquid Effluents

A sample of each batch discharge was taken and an isotopic analysis was performed in compliance with the requirements specified in Table 4.10-1 of the Technical Specifications. This isotopic concentration data was combined with information of volume discharged to determine the amount of each isotope discharged in the period.

Samples of continuous discharges have been taken and analyzed in compliance with Table 4.10-1 of the Technical Specifications. This concentration data was combined with the volume discharged to calculate the amount of each isotope discharged.

The above concentrations were used in conjunction with the actual dilution flow to calculate the fraction of maximum permissible concentration.

e. Error Estimates

The total error estimate is the geometric sum of counting uncertainty and sampling uncertainty, expressed as a percent. Sampling uncertainties are considered independent of activity level and largely fixed in value. However, counting uncertainties are activity level dependent. The percent counting uncertainty is the quotient of the 1 sigma (Poisson) uncertainty and the activity measured. This percent uncertainty is maximized at low activity levels, specifically at the lower limit of detection (LLD). It can be shown that the percent uncertainty at LLD is no more than 35%. But as most positive samples are detected at several multiples of LLD, at least, the percent uncertainty is more likely to be in the 8% to 12% range. Adding a consideration of fixed uncertainty of sampling, the total uncertainty is estimated to be 15%.

May, 2001
 Re: Indian Point Unit Nos. 1 & 2
 Docket Nos. 50-03 & 50-247

5. Batch Releases:

a. Liquid		1st <u>Qtr.</u>	2nd <u>Qtr.</u>	3rd <u>Qtr.</u>	4th <u>Qtr.</u>
Number of Batch Releases		68	141	72	22
Total Time Period of Batch Releases (Minutes)		21800	57900	29400	8330
Maximum Time Period of Batch Release (Minutes)		1520	15000	4300	1200
Average Time Period of Batch Release (Minutes)		320	410	409	378
Minimum Time Period of Batch Release (Minutes)		3	2	2	1
Average Stream Flow (cfs)	1998	35633	30100	7707	7343
	1999	26033	13387	8030	n/a(1)
	2000	5433	1942	1972	3402

(1) This information obtained from the US Department of the Interior, is not available at this time.

b. Gaseous		1st <u>Qtr.</u>	2nd <u>Qtr.</u>	3rd <u>Qtr.</u>	4th <u>Qtr.</u>
Number of Batch Releases		131	32	30	132
Total Time Period of Batch Releases (Minutes)		13500	23600	3510	63200
Maximum Time Period of Batch Release (Minutes)		1200	10300	2400	58900
Average Time Period of Batch Release (Minutes)		104	456	117	518
Minimum Time Period of Batch Release (Minutes)		1	1	1	1

6. Abnormal Releases

- a. Liquid - Six events, including one event incorporating several release pathways due to a Steam Generator Tube Leak.
- b. Gaseous - One event incorporating several release pathways due to a Steam Generator Tube Leak.

May, 2001
Re: Indian Point Unit Nos. 1 & 2
Docket Nos. 50-03 & 50-247

ANNUAL
EFFLUENT AND WASTE DISPOSAL REPORT
B - GASEOUS EFFLUENTS
2000

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
INDIAN POINT UNIT NOS. 1 & 2
DOCKET NOS. 50-03 & 50-247
MAY, 2001

**Con Edison
 Indian Point Station**

2000 EFFLUENT AND WASTE DISPOSAL
 GASEOUS EFFLUENTS -- SUMMATION OF ALL RELEASES

	UNITS	QUARTER	QUARTER	EST. TOTAL
		1	2	ERROR, %

A. FISSION AND ACTIVATION GASES

1. TOTAL RELEASE	CI	1.97E+01	2.33E-01	1.50E+01
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	2.50E+00	2.97E-02	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	6.01E-03	4.85E-05	

B. IODINES

1. TOTAL IODINE-131	CI	1.76E-04	0.00E+00	1.50E+01
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	2.24E-05	0.00E+00	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	8.70E-04	0.00E+00	

C. PARTICULATES

1. PARTICULATES WITH HALF-LIVES >8 DAYS	CI	1.55E-02	8.56E-05	1.50E+01
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	1.97E-03	1.09E-05	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	2.15E-05	1.29E-05	
4. GROSS ALPHA RADIOACTIVITY	CI	1.09E-07	1.57E-07	

D. TRITIUM

1. TOTAL RELEASE	CI	6.55E-01	2.04E+00	1.50E+01
2. AVERAGE RELEASE RATE FOR PERIOD	UCI/SEC	8.33E-02	2.60E-01	
3. PERCENT OF TECHNICAL SPECIFICATION LIMIT	%	2.54E-04	6.38E-04	

EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT
 GASEOUS EFFLUENTS FOR ALL RELEASE POINTS

		CONTINUOUS MODE		BATCH MODE	
: NUCLIDES	: UNITS	: QUARTER	: QUARTER	: QUARTER	: QUARTER
: RELEASED	:	1	2	1	2
1. FISSION AND ACTIVATION GASES					
: H3	: CI	: 6.32E-01	: 1.90E+00	: 2.29E-02	: 1.48E-01
: C14	: CI	: 1.00E+00	: 0.00E+00	: 0.00E+00	: 0.00E+00
: AR41	: CI	: 8.02E-03	: 0.00E+00	: 1.10E-01	: 0.00E+00
: KR85M	: CI	: 2.02E-04	: 0.00E+00	: 1.00E-02	: 0.00E+00
: KR85	: CI	: 0.00E+00	: 2.34E-02	: 1.01E+00	: 2.08E-01
: KR87	: CI	: 8.25E-05	: 0.00E+00	: 5.08E-03	: 0.00E+00
: KR88	: CI	: 5.81E-03	: 0.00E+00	: 8.73E-03	: 0.00E+00
: XE131M	: CI	: 0.00E+00	: 0.00E+00	: 5.26E-02	: 7.06E-04
: XE133M	: CI	: 0.00E+00	: 0.00E+00	: 1.68E-01	: 0.00E+00
: XE133	: CI	: 5.16E+00	: 6.50E-05	: 1.18E+01	: 7.84E-04
: XE135M	: CI	: 4.45E-03	: 0.00E+00	: 4.23E-03	: 0.00E+00
: XE135	: CI	: 3.39E-03	: 0.00E+00	: 2.86E-01	: 0.00E+00
: XE138	: CI	: 1.46E-03	: 0.00E+00	: 1.14E-02	: 0.00E+00
: TOTAL FOR	:	:	:	:	:
: PERIOD	: CI	: 6.81E+00	: 1.92E+00	: 1.35E+01	: 3.58E-01
: (ABOVE)	:	:	:	:	:
2. IODINES					
: I131	: CI	: 0.00E+00	: 0.00E+00	: 1.76E-04	: 0.00E+00
: I133	: CI	: 0.00E+00	: 0.00E+00	: 1.57E-04	: 0.00E+00
: I135	: CI	: 0.00E+00	: 0.00E+00	: 4.59E-05	: 0.00E+00
: I132	: CI	: 0.00E+00	: 0.00E+00	: 4.13E-05	: 0.00E+00
: I134	: CI	: 0.00E+00	: 0.00E+00	: 1.24E-05	: 0.00E+00
: TOTAL FOR	:	:	:	:	:
: PERIOD	: CI	: 0.00E+00	: 0.00E+00	: 4.33E-04	: 0.00E+00
: (ABOVE)	:	:	:	:	:

EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT
 GASEOUS EFFLUENTS FOR ALL RELEASE POINTS

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES	UNITS	QUARTER	QUARTER	QUARTER	QUARTER
RELEASED		1	2	1	2

3. PARTICULATES

CO60	CI	1.73E-05	4.40E-05	0.00E+00	0.00E+00
SR89	CI	2.37E-08	2.84E-07	0.00E+00	0.00E+00
CS134	CI	0.00E+00	0.00E+00	5.84E-06	0.00E+00
CS137	CI	3.96E-05	2.03E-05	5.84E-06	9.15E-06
NI63	CI	1.31E-05	3.45E-06	1.53E-02	5.47E-07
FE55	CI	5.72E-05	7.81E-06	0.00E+00	0.00E+00
TOTAL FOR					
PERIOD	CI	1.27E-04	7.59E-05	1.53E-02	9.70E-06
(ABOVE)					

EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT
 GASEOUS EFFLUENTS -- SUMMATION OF ALL RELEASES

 : UNITS : QUARTER : QUARTER : EST. TOTAL :
 : : 3 : 4 : ERROR, % :

A. FISSION AND ACTIVATION GASES

 : 1. TOTAL RELEASE : CI : 7.48E-03 : 3.09E-01 : 1.50E+01 :

 : 2. AVERAGE RELEASE :UCI/SEC: 9.41E-04 : 3.88E-02 :
 : RATE FOR PERIOD : : : :

 : 3. PERCENT OF TECHNICAL: % : 9.07E-06 : 6.38E-05 :
 : SPECIFICATION LIMIT : : : :

B. IODINES

 : 1. TOTAL IODINE-131 : CI : 0.00E+00 : 0.00E+00 : 1.50E+01 :

 : 2. AVERAGE RELEASE :UCI/SEC: 0.00E+00 : 0.00E+00 :
 : RATE FOR PERIOD : : : :

 : 3. PERCENT OF TECHNICAL: % : 0.00E+00 : 0.00E+00 :
 : SPECIFICATION LIMIT : : : :

C. PARTICULATES

 : 1. PARTICULATES WITH : CI : 4.60E-02 : 5.67E-02 : 1.50E+01 :
 : HALF-LIVES >8 DAYS : : : :

 : 2. AVERAGE RELEASE :UCI/SEC: 5.79E-03 : 7.14E-03 :
 : RATE FOR PERIOD : : : :

 : 3. PERCENT OF TECHNICAL: % : 1.36E-05 : 7.51E-06 :
 : SPECIFICATION LIMIT : : : :

 : 4. GROSS ALPHA : CI : 3.18E-03 : 8.15E-03 :
 : RADIOACTIVITY : : : :

D. TRITIUM

 : 1. TOTAL RELEASE : CI : 2.78E-01 : 4.93E-01 : 1.50E+01 :

 : 2. AVERAGE RELEASE :UCI/SEC: 3.50E-02 : 6.20E-02 :
 : RATE FOR PERIOD : : : :

 : 3. PERCENT OF TECHNICAL: % : 8.59E-05 : 1.52E-04 :
 : SPECIFICATION LIMIT : : : :

EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT
 GASEOUS EFFLUENTS FOR ALL RELEASE POINTS

CONTINUOUS MODE				BATCH MODE			
NUCLIDES	UNITS	QUARTER	QUARTER	QUARTER	QUARTER	QUARTER	QUARTER
RELEASED		3	4	3	4	3	4

1. FISSION AND ACTIVATION GASES

H3	CI	2.78E-01	4.93E-01	0.00E+00	0.00E+00		
C14	CI	0.00E+00	1.32E-03	0.00E+00	0.00E+00		
AR41	CI	0.00E+00	3.85E-04	5.63E-03	0.00E+00		
KR85	CI	0.00E+00	0.00E+00	1.85E-03	3.07E-01		
TOTAL FOR PERIOD (ABOVE)	CI	2.78E-01	4.95E-01	7.48E-03	3.07E-01		

CONTINUOUS MODE				BATCH MODE			
NUCLIDES	UNITS	QUARTER	QUARTER	QUARTER	QUARTER	QUARTER	QUARTER
RELEASED		3	4	3	4	3	4

2. IODINES

TOTAL FOR PERIOD (ABOVE)	CI	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
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EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT
 GASEOUS EFFLUENTS FOR ALL RELEASE POINTS

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES	UNITS	QUARTER	QUARTER	QUARTER	QUARTER
RELEASED		3	4	3	4

3. PARTICULATES

CO60	CI	1.67E-05	9.75E-06	0.00E+00	0.00E+00
CS137	CI	8.21E-05	4.46E-05	0.00E+00	0.00E+00
NI63	CI	4.59E-02	5.66E-02	0.00E+00	0.00E+00
CD109	CI	0.00E+00	9.16E-05	0.00E+00	0.00E+00
TOTAL FOR PERIOD (ABOVE)	CI	4.60E-02	5.67E-02	0.00E+00	0.00E+00

May, 2001
Re: Indian Point Unit Nos. 1 & 2
Docket Nos. 50-03 & 50-247

ANNUAL
EFFLUENT AND WASTE DISPOSAL REPORT
C - LIQUID EFFLUENTS
2000

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
INDIAN POINT UNIT NOS. 1 & 2
DOCKET NOS. 50-03 & 50-247
MAY, 2001

Con Edison
Indian Point Station
 EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT
LIQUID EFFLUENTS -- SUMMATION OF ALL RELEASES

	UNITS	QUARTER	QUARTER	EST. TOTAL
		1	2	ERROR, %

A. FISSION AND ACTIVATION PRODUCTS

1. TOTAL RELEASE (EXCL.: TRIT., GASES, ALPHA)	CI	2.37E-01	2.94E-01	1.50E+01
2. AVERAGE DILUTED CONC. DURING PERIOD	UCI/ML	8.80E-10	2.92E-09	
3. PERCENT OF APPLICABLE LIMIT	%	4.55E-03	8.57E-03	

B. TRITIUM

1. TOTAL RELEASE	CI	2.21E+02	3.53E+01	1.50E+01
2. AVERAGE DILUTED CONC. DURING PERIOD	UCI/ML	8.20E-07	3.51E-07	
3. PERCENT OF APPLICABLE LIMIT	%	2.31E-02	9.42E-03	

C. DISSOLVED AND ENTRAINED GASES

1. TOTAL RELEASE	CI	2.14E-02	2.39E-07	1.50E+01
2. AVERAGE DILUTED CONC. DURING PERIOD	UCI/ML	7.94E-11	2.37E-15	
3. PERCENT OF APPLICABLE LIMIT	%	3.97E-05	1.19E-09	

D. GROSS ALPHA RADIOACTIVITY

1. TOTAL RELEASE	CI	0.00E+00	0.00E+00	5.00E+01
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EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT

LIQUID EFFLUENTS FOR ALL RELEASE POINTS

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES	UNITS	QUARTER	QUARTER	QUARTER	QUARTER
RELEASED		1	2	1	2

LIQUID EFFLUENTS (CONTD)

I135	CI	0.00E+00	0.00E+00	4.77E-04	0.00E+00
CS134	CI	9.27E-06	0.00E+00	7.15E-04	8.52E-04
CS136	CI	0.00E+00	0.00E+00	4.93E-05	0.00E+00
CS137	CI	1.83E-03	1.38E-03	4.33E-02	8.59E-02
CS138	CI	0.00E+00	0.00E+00	9.06E-04	5.47E-03
BA140	CI	0.00E+00	0.00E+00	5.54E-05	0.00E+00
LA140	CI	0.00E+00	0.00E+00	1.45E-04	2.13E-05
SB124	CI	0.00E+00	0.00E+00	4.76E-03	1.35E-02
SB125	CI	3.35E-05	0.00E+00	3.39E-03	5.60E-03
TE123M	CI	0.00E+00	0.00E+00	4.58E-05	5.30E-06
CO57	CI	0.00E+00	0.00E+00	1.32E-03	3.69E-04
CD109	CI	0.00E+00	0.00E+00	1.55E-04	0.00E+00
TOTAL FOR					
PERIOD	CI	2.98E+00	1.58E-01	2.18E+02	3.54E+01
(ABOVE)					

		CONTINUOUS MODE		BATCH MODE	
NUCLIDES	UNITS	QUARTER	QUARTER	QUARTER	QUARTER
RELEASED		1	2	1	2
XE133	CI	0.00E+00	0.00E+00	2.12E-02	0.00E+00
XE135	CI	0.00E+00	0.00E+00	1.21E-05	0.00E+00
XE133M	CI	0.00E+00	0.00E+00	1.77E-04	2.39E-07
AR41	CI	0.00E+00	0.00E+00	5.36E-05	0.00E+00

May, 2001

Re: Indian Point Unit Nos. 1 & 2
Docket Nos. 50-03 & 50-247

EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT

LIQUID EFFLUENTS -- SUMMATION OF ALL RELEASES

	UNITS	QUARTER	QUARTER	EST.	TOTAL
		3	4	ERROR,	%
A. FISSION AND ACTIVATION PRODUCTS					
1. TOTAL RELEASE (EXCL. TRIT., GASES, ALPHA)	CI	2.90E-01	6.85E-02	1.50E+01	
2. AVERAGE DILUTED CONC. DURING PERIOD	UCI/ML	1.81E-09	5.96E-10		
3. PERCENT OF APPLICABLE LIMIT	%	4.88E-03	3.09E-03		
B. TRITIUM					
1. TOTAL RELEASE	CI	6.69E+01	2.28E+01	1.50E+01	
2. AVERAGE DILUTED CONC. DURING PERIOD	UCI/ML	4.18E-07	1.98E-07		
3. PERCENT OF APPLICABLE LIMIT	%	1.33E-02	2.71E-03		
C. DISSOLVED AND ENTRAINED GASES					
1. TOTAL RELEASE	CI	0.00E+00	0.00E+00	1.50E+01	
2. AVERAGE DILUTED CONC. DURING PERIOD	UCI/ML	0.00E+00	0.00E+00		
3. PERCENT OF APPLICABLE LIMIT	%	0.00E+00	0.00E+00		
D. GROSS ALPHA RADIOACTIVITY					
1. TOTAL RELEASE	CI	8.63E-06	3.72E-03	5.00E+01	
E. VOLUME WASTE RELEASED (PRIOR TO DILUTION)					
	LITERS	1.64E+07	2.42E+07	1.00E+01	
F. VOLUME DILUTION WATER USED DURING PERIOD					
	LITERS	1.60E+11	1.15E+11	1.00E+01	

May, 2001
 Indian Point Unit Nos. 1 & 2
 Docket Nos. 50-03 & 50-247

Re:

EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT

LIQUID EFFLUENTS FOR ALL RELEASE POINTS

	CONTINUOUS MODE				BATCH MODE			
	NUCLIDES RELEASED	UNITS	QUARTER	QUARTER	QUARTER	QUARTER	QUARTER	QUARTER
			3	4	3	4	3	4
H3	CI	1.50E-02	1.04E-02	6.69E+01	2.28E+01			
CR51	CI	0.00E+00	0.00E+00	3.05E-03	2.81E-04			
MN54	CI	0.00E+00	0.00E+00	5.14E-03	1.19E-04			
FE55	CI	0.00E+00	0.00E+00	1.07E-02	1.37E-04			
FE59	CI	0.00E+00	0.00E+00	2.01E-04	0.00E+00			
CO58	CI	0.00E+00	3.93E-07	8.23E-02	1.32E-03			
CO60	CI	0.00E+00	0.00E+00	3.74E-02	1.01E-03			
NI63	CI	0.00E+00	0.00E+00	1.29E-02	5.24E-04			
SR89	CI	0.00E+00	0.00E+00	3.34E-05	0.00E+00			
SR90	CI	4.19E-04	1.54E-03	3.01E-04	2.13E-04			
ZR95	CI	0.00E+00	0.00E+00	2.19E-04	0.00E+00			
NB95	CI	0.00E+00	0.00E+00	9.27E-04	0.00E+00			
AG110M	CI	0.00E+00	0.00E+00	8.32E-04	4.32E-05			
CS134	CI	0.00E+00	0.00E+00	1.28E-03	0.00E+00			
CS137	CI	5.97E-03	4.17E-02	5.19E-02	1.39E-02			
CS138	CI	0.00E+00	0.00E+00	5.35E-03	0.00E+00			
* SB124	CI	0.00E+00	0.00E+00	4.70E-02	1.21E-03			

EFFLUENT AND WASTE DISPOSAL 2000 ANNUAL REPORT

LIQUID EFFLUENTS FOR ALL RELEASE POINTS

		CONTINUOUS MODE		BATCH MODE	
: NUCLIDES	: UNITS	: QUARTER	: QUARTER	: QUARTER	: QUARTER
: RELEASED	:	3	4	3	4
: SB125	: CI	: 0.00E+00	: 0.00E+00	: 2.31E-02	: 6.34E-03
: TE123M	: CI	: 0.00E+00	: 0.00E+00	: 3.65E-05	: 1.61E-04
: CO57	: CI	: 0.00E+00	: 0.00E+00	: 6.24E-04	: 0.00E+00
: SN113	: CI	: 0.00E+00	: 0.00E+00	: 3.13E-04	: 0.00E+00
: TOTAL FOR	:	:	:	:	:
: PERIOD	: CI	: 2.14E-02	: 5.36E-02	: 6.72E+01	: 2.28E+01
: (ABOVE)	:	:	:	:	:

May, 2001
Re: Indian Point Unit Nos. 1 & 2
Docket Nos. 50-03 & 50-247

ANNUAL
EFFLUENT AND WASTE DISPOSAL REPORT
D - SOLID WASTE
2000

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
INDIAN POINT UNIT NOS. 1 & 2
DOCKET NOS. 50-03 & 50-247
MAY, 2001

Solid Radwaste Disposal Report 2000. Solid Radwaste Shipped Offsite for Burial, Reprocessing, or Disposal (No irradiated fuel).

12 MONTH PERIOD

1.	<u>Type of Waste</u>		<u>Units</u>	<u>Class A</u>	<u>Class B</u>	<u>Class C</u>	<u>Error, %</u>
	a. Spent Resins,	m ³	17.43	0	0	3.41	± 25
	sludges, etc.	Ci	6.51	0	0	73.2	25
	b. DAW	m ³	1890	0	0	0	± 10
		Ci	5.55	0	0	0	25
	c. Irradiated	m ³	0	0	0	0	± 10
	components	Ci	0	0	0	0	25
	control rods, etc.						
2.	Estimate of major nuclide composition in percent (by type of waste)						

Waste Class A

<u>Nuclide Name</u>	<u>Percent Abundance</u>	<u>Curies</u>
H-3	0.128	1.54E-2
Cr-51	0.0	4.55E-6
Mn-54	0.37	4.46E-2
Fe-55	0.451	5.43E-2
Fe-59	0.0	0.0
Co-57	0.0	0.0
Co-58	4.43	5.34E-1
Co-60	14.53	1.75E+0
Ni-59	0.155	1.87E-2
Ni-63	12.443	1.5E+0
Zn-65	0.0	0.0
Sr-90	0.687	8.27E-2
Zr-95	0.0	0.0
Nb-95	0.0	0.0
Tc-99	0.029	3.49E-3
Sb-124	0.0	0.0
Cs-134	6.247	7.53E-1
Cs-137	59.685	7.19E+0
Ce-144	0.844	1.02E-1
Am-241	0.001	6.38E-5
Cm-244	0.0	2.79E-5
Sr-90	0.022	1.60E-2
Zr-95	0.0	2.29E-5
Nb-94	0.001	5.58E-4
Nb-95	0.0	0.0

3. Solid Waste Disposition

<u>Number of Shipments</u>	<u>Mode of Transportation</u>	<u>Destination</u>
3	Cask Truck	Barnwell, SC
43	Flat Bed Truck/Van	Oak Ridge, TN

4. Solid Waste Containers

- A. 3 High Integrity Containers
- B. 39 Cargo Container
- C. 220 55 Gallon Metal Drums
- D. 25 Metal Crates

5. Waste Class

<u>Container</u>	<u>Class A</u>	<u>Class B</u>	<u>Class C</u>
High Integrity Containers	2	0	1
Cargo Containers	39	0	0
55 Gallon Metal Drums	220	0	0
Metal Crates	25	0	0

Note: Items 4B and 4D are the number of containers shipped offsite for recycle and volume reduction not the total number of containers buried.

Note: Curies in item 1 are measured using the Radman Software Program.

May, 2001
Re: Indian Point Unit Nos. 1 & 2
Docket Nos. 50-03 & 50-247

ANNUAL
EFFLUENT AND WASTE DISPOSAL REPORT
E - RADIOLOGICAL IMPACT ON MAN
2000

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
INDIAN POINT UNIT NOS. 1 & 2
DOCKET NOS. 50-03 & 50-247
MAY, 2001

May, 2001
Re: Indian Point Unit Nos. 1 & 2
Docket Nos. 50-03 & 50-247

RADIOLOGICAL IMPACT EVALUATION

Doses from gaseous immersion, inhalation, ground deposition, and vegetation ingestion were evaluated for the nearest residence likely to be occupied in the critical sector for each pathway and were combined to provide a conservative determination of the maximum individual offsite radiation dose from these pathways. Calculations were performed for members of the public on site for this reporting period. To this end, it is assumed that members of the public on-site are exposed 2 hours per year. Based on an assumed on-site location most likely to be occupied, a gaseous effluent dispersion factor is obtained. The dose is then computed with consideration for the total effluents released, the on-site dispersion factor and the exposure time. Doses to such individuals were found to be significantly less than one percent of the maximum individual offsite dose. Doses were also evaluated for all sectors assuming an individual ingesting milk and meat from a cow located at 5.0 mile distance. In all cases these evaluations were performed using the models presented in Regulatory Guide 1.109.

All releases were evaluated using actual meteorological conditions existing during the release period.

Integrated dose from the population within 50 miles of Indian Point from gaseous effluents were computed based on the most current population data.*

Dose calculations for liquid pathways to individuals and populations are computed for a year. The MIDAS computer program that is utilized for these calculations incorporated the calculation model and parameters that are presented in Regulatory Guide 1.109.

The fish, invertebrate, algae, drinking, shoreline, swimming and boating pathways are calculated for the adult, teenager, child and infant. These calculations are performed for reasons such as estimating the population water consumption dose, the population recreation dose, and cost-benefit analysis.

NUREG-0017, "Calculation of Release of Radioactive Materials in Gaseous and Liquid Effluents from Pressurized Water Reactors", assumes an annual release of 1.0 Ci/yr of Carbon-14. Therefore, to be consistent with NUREG-0017, a release of 7 Curies of Carbon-14 was assumed for the year, (adjusted for actual power operating capacity) in addition to the radioactive materials measured in Indian Point's gaseous effluents.

This impact evaluation demonstrates that the dose commitment to man from the operation of Indian Point Unit Nos. 1 and 2 is negligible, and is well below the levels set forth in 10 CFR 20, 10 CFR 50, and the Indian Point Unit Nos. 1 and 2 Technical Specifications.

* Population data was based on the 1990 census.

May, 2001

Re: Indian Point Unit Nos. 1 & 2
Docket Nos. 50-03 & 50-24

2000

INDIAN POINT UNITS 1 AND 2

RADIOLOGICAL IMPACT ON MAN

(Reference Regulatory Guide 1.21, Page 12)

A. Maximum Individual Doses

(1)	<u>Pathways</u> (Gaseous) millirem	<u>Total Body</u> millirem	<u>Skin</u> millirem	<u>Thyroid</u> millirem	<u>Bone</u> millirem
a)	Nobel Gas Immersion	1.14E-3	3.50E-3	N/A	N/A
b)	Inhalation	8.20E-4	N/A	1.12E-3	2.94E-3
c)	Ground Deposition	1.50E-3	1.76E-3	1.50E-3	1.50E-3
d)	Milk Ingestion	1.23E-2	N/A	1.51E-2	5.70E-2
e)	Meat Ingestion	1.87E-3	N/A	1.88E-3	9.30E-3
f)	Vegetable Ingestion	3.52E-2	N/A	3.57E-2	1.73E-1

May, 2000
 Re: Indian Point Unit Nos. 1 & 2
 Docket Nos. 50-03 & 50-24

(2) Pathways (Liquid)
 Maximum Dose to Individuals 2000 millirem:

	BONE	LIVER	TOTAL BODY	THYROID	KIDNEY	LUNG	GI	SKIN
Shore Exposure								
ADULT	2.3E-03	2.3E-03	2.3E-03	2.3E-03	2.3E-03	2.3E-03	2.3E-03	2.6E-03
TEEN	3.0E-03	3.0E-03	3.0E-03	3.0E-03	3.0E-03	3.0E-03	3.0E-03	3.5E-03
CHILD	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04	6.3E-04	7.4E-04
Fresh Water Sport Fish								
ADULT	6.6E-02	6.3E-02	4.4E-02	4.9E-04	2.1E-02	7.3E-03	2.6E-02	0.0E+00
TEEN	6.8E-02	6.6E-02	2.6E-02	4.1E-04	2.2E-02	8.8E-03	1.9E-02	0.0E+00
CHILD	8.3E-02	6.0E-02	1.2E-02	3.7E-04	1.9E-02	7.0E-03	6.8E-03	0.0E+00
Fresh Water Invertebrate								
ADULT	2.2E-02	2.9E-02	1.5E-02	8.6E-05	9.2E-03	1.9E-03	4.5E-02	0.0E+00
TEEN	2.1E-02	2.9E-02	1.0E-02	6.8E-05	9.3E-03	2.2E-03	3.0E-02	0.0E+00
CHILD	2.5E-02	2.6E-02	7.1E-03	6.2E-05	7.8E-03	1.9E-03	1.0E-02	0.0E+00
Total All Pathways								
ADULT	9.0E-02	9.5E-02	6.1E-02	2.8E-03	3.3E-02	1.1E-02	7.4E-02	2.6E-03
TEEN	9.2E-02	9.8E-02	3.9E-02	3.5E-03	3.5E-02	1.4E-02	5.2E-02	3.5E-03
CHILD	1.1E-01	8.6E-02	1.9E-02	1.1E-03	2.8E-02	9.6E-03	1.8E-02	7.4E-04

2000

B. Population

(1)	<u>Pathways</u> (Gaseous)		
		<u>Total Body</u> (Man-rem)	<u>Thyroid*</u> (Man-rem)
	a) Nobel Gas Immersion	2.50E-1	2.50E-1
	b) Inhalation	2.10E-1	2.60E-1
	c) Ground Deposition	1.10E-1	1.10E-1
	d) Totals	5.70E-1	6.20E-1

* The thyroid values consist of a sum of total body and thyroid.

(2) Pathways (Liquid) Liquid Population Dose 2000 Person-rem:

	Shore Exposure	Fresh Water Sport Fish Ingestion	Commercial Fish Ingestion	Fresh Water Invertebrate Ingestion
Bone	0.54	2.50E-01	4.30E-01	4.10E-02
Liver	0.54	2.30E-01	3.90E-01	5.20E-02
Total Body	0.54	1.30E-01	2.20E-01	2.40E-02
Thyroid	0.54	1.40E-03	2.30E-03	1.30E-04
Kidney	0.54	7.60E-02	1.30E-01	1.60E-02
Lung	0.54	2.70E-02	4.60E-02	3.50E-03
GI	0.54	7.20E-02	1.20E-01	6.70E-02
Skin	0.63	0	0	0

C. Average Dose to Individuals

- (1) Pathways
- a) Liquid-Total Body 5.9E-5 millirem
 - b) Gaseous-Total Body 3.68E-5 millirem

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	1.0	8.0	6.0	3.0	.0	.0	18.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	5.0	5.0	.0	.0	.0	10.0
S	.0	.0	2.0	7.0	.0	.0	.0	9.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	1.0	.0	.0	.0	.0	1.0
WSW	.0	.0	2.0	1.0	.0	.0	.0	3.0
W	.0	.0	1.0	.0	.0	.0	.0	1.0
WNW	.0	1.0	4.0	8.0	.0	.0	.0	13.0
NW	.0	.0	15.0	12.0	.0	.0	.0	27.0
NNW	.0	.0	17.0	3.0	.0	.0	.0	20.0
TOTAL	.0	2.0	55.0	42.0	3.0	.0	.0	102.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	8.0	6.0	1.0	.0	.0	15.0
NNE	.0	.0	.0	1.0	.0	.0	.0	1.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	1.0	.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	9.0	2.0	.0	.0	.0	11.0
S	.0	.0	1.0	5.0	.0	.0	.0	6.0
SSW	.0	.0	1.0	.0	.0	.0	.0	1.0
SW	.0	.0	1.0	.0	.0	.0	.0	1.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	4.0	4.0	.0	.0	.0	8.0
WNW	.0	.0	7.0	3.0	.0	.0	.0	10.0
NW	.0	.0	7.0	17.0	4.0	.0	.0	28.0
NNW	.0	.0	8.0	5.0	.0	.0	.0	13.0
TOTAL	.0	1.0	46.0	43.0	5.0	.0	.0	95.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	8.0	3.0	.0	.0	.0	11.0
NNE	.0	.0	1.0	.0	.0	.0	.0	1.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	1.0	.0	.0	.0	.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	1.0	4.0	2.0	.0	.0	.0	7.0
S	.0	.0	9.0	3.0	.0	.0	.0	12.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	2.0	.0	.0	.0	.0	2.0
WSW	.0	.0	1.0	4.0	.0	.0	.0	5.0
W	.0	.0	.0	3.0	.0	.0	.0	3.0
WNW	.0	.0	8.0	6.0	.0	.0	.0	14.0
NW	.0	.0	4.0	20.0	2.0	.0	.0	26.0
NNW	.0	.0	4.0	5.0	.0	.0	.0	9.0
TOTAL	.0	1.0	42.0	46.0	2.0	.0	.0	91.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	18.0	95.0	50.0	24.0	.0	.0	187.0
NNE	.0	25.0	74.0	16.0	5.0	.0	.0	120.0
NE	.0	8.0	41.0	10.0	.0	.0	.0	59.0
ENE	.0	9.0	9.0	.0	.0	.0	.0	18.0
E	.0	7.0	2.0	.0	.0	.0	.0	9.0
ESE	.0	7.0	4.0	.0	.0	.0	.0	11.0
SE	.0	13.0	.0	.0	.0	.0	.0	13.0
SSE	.0	8.0	29.0	3.0	.0	.0	.0	40.0
S	.0	30.0	28.0	17.0	.0	.0	.0	75.0
SSW	.0	17.0	18.0	1.0	.0	.0	.0	36.0
SW	.0	12.0	9.0	2.0	.0	.0	.0	23.0
WSW	.0	11.0	9.0	4.0	.0	.0	.0	24.0
W	.0	8.0	34.0	17.0	.0	.0	.0	59.0
WNW	.0	5.0	66.0	31.0	.0	.0	.0	102.0
NW	.0	3.0	96.0	111.0	10.0	.0	.0	220.0
NNW	.0	6.0	77.0	48.0	6.0	.0	.0	137.0
TOTAL	.0	187.0	591.0	310.0	45.0	.0	.0	1133.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	13.0	24.0	.0	.0	.0	.0	37.0
NNE	.0	34.0	42.0	1.0	.0	.0	.0	77.0
NE	.0	23.0	22.0	.0	.0	.0	.0	45.0
ENE	.0	10.0	1.0	.0	.0	.0	.0	11.0
E	.0	9.0	.0	.0	.0	.0	.0	9.0
ESE	.0	14.0	.0	.0	.0	.0	.0	14.0
SE	.0	11.0	.0	.0	.0	.0	.0	11.0
SSE	.0	32.0	28.0	1.0	.0	.0	.0	61.0
S	.0	32.0	55.0	11.0	.0	.0	.0	98.0
SSW	.0	35.0	15.0	2.0	.0	.0	.0	52.0
SW	.0	21.0	8.0	1.0	.0	.0	.0	30.0
WSW	.0	13.0	5.0	1.0	.0	.0	.0	19.0
W	.0	6.0	14.0	2.0	.0	.0	.0	22.0
WNW	.0	12.0	9.0	1.0	.0	.0	.0	22.0
NW	.0	7.0	13.0	.0	.0	.0	.0	20.0
NNW	.0	9.0	10.0	.0	.0	.0	.0	19.0
TOTAL	.0	281.0	246.0	20.0	.0	.0	.0	547.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	21.0	.0	.0	.0	.0	.0	21.0
NNE	.0	36.0	13.0	.0	.0	.0	.0	49.0
NE	.0	17.0	10.0	.0	.0	.0	.0	27.0
ENE	.0	4.0	1.0	.0	.0	.0	.0	5.0
E	.0	2.0	.0	.0	.0	.0	.0	2.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	4.0	.0	.0	.0	.0	.0	4.0
SSE	.0	5.0	2.0	.0	.0	.0	.0	7.0
S	.0	8.0	2.0	2.0	.0	.0	.0	12.0
SSW	.0	8.0	1.0	.0	.0	.0	.0	9.0
SW	.0	6.0	.0	.0	.0	.0	.0	6.0
WSW	.0	3.0	.0	.0	.0	.0	.0	3.0
W	.0	2.0	2.0	.0	.0	.0	.0	4.0
WNW	.0	3.0	1.0	.0	.0	.0	.0	4.0
NW	.0	3.0	.0	.0	.0	.0	.0	3.0
NNW	.0	11.0	.0	.0	.0	.0	.0	11.0
TOTAL	.0	133.0	32.0	2.0	.0	.0	.0	167.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	13.0	.0	.0	.0	.0	.0	13.0
NNE	.0	16.0	6.0	.0	.0	.0	.0	22.0
NE	.0	3.0	5.0	.0	.0	.0	.0	8.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.0	.0	.0	.0	.0	.0	1.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	1.0	.0	.0	.0	.0	.0	1.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	1.0	.0	.0	.0	.0	.0	1.0
NNW	.0	3.0	.0	.0	.0	.0	.0	3.0
TOTAL	.0	38.0	11.0	.0	.0	.0	.0	49.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	66.0	143.0	65.0	28.0	.0	.0	302.0
NNE	.0	111.0	136.0	18.0	5.0	.0	.0	270.0
NE	.0	51.0	78.0	10.0	.0	.0	.0	139.0
ENE	.0	23.0	11.0	.0	.0	.0	.0	34.0
E	.0	18.0	3.0	.0	.0	.0	.0	21.0
ESE	.0	22.0	4.0	.0	.0	.0	.0	26.0
SE	.0	29.0	.0	.0	.0	.0	.0	29.0
SSE	.0	46.0	77.0	13.0	.0	.0	.0	136.0
S	.0	70.0	97.0	45.0	.0	.0	.0	212.0
SSW	.0	61.0	35.0	3.0	.0	.0	.0	99.0
SW	.0	39.0	21.0	3.0	.0	.0	.0	63.0
WSW	.0	27.0	17.0	10.0	.0	.0	.0	54.0
W	.0	16.0	55.0	26.0	.0	.0	.0	97.0
WNW	.0	21.0	95.0	49.0	.0	.0	.0	165.0
NW	.0	14.0	135.0	160.0	16.0	.0	.0	325.0
NNW	.0	29.0	116.0	61.0	6.0	.0	.0	212.0
TOTAL	.0	643.0	1023.0	463.0	55.0	.0	.0	2184.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	1.0	11.0	7.0	1.0	3.0	23.0
NNE	.0	.0	1.0	.0	.0	.0	.0	1.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	1.0	.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	7.0	3.0	.0	.0	10.0
S	.0	.0	1.0	4.0	2.0	.0	.0	7.0
SSW	.0	.0	.0	.0	2.0	.0	.0	2.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	2.0	1.0	.0	1.0	.0	4.0
W	.0	.0	.0	1.0	.0	.0	.0	1.0
WNW	.0	.0	.0	3.0	2.0	5.0	.0	10.0
NW	.0	.0	1.0	7.0	14.0	8.0	1.0	31.0
NNW	.0	.0	.0	10.0	1.0	1.0	.0	12.0
TOTAL	.0	1.0	6.0	44.0	31.0	16.0	4.0	102.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	1.0	7.0	6.0	2.0	.0	16.0
NNE	.0	.0	.0	.0	1.0	.0	.0	1.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	1.0	.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	1.0	9.0	1.0	.0	.0	11.0
S	.0	.0	1.0	.0	3.0	.0	.0	4.0
SSW	.0	.0	1.0	.0	2.0	.0	.0	3.0
SW	.0	.0	.0	1.0	.0	.0	.0	1.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	2.0	4.0	2.0	.0	8.0
WNW	.0	.0	.0	3.0	4.0	1.0	.0	8.0
NW	.0	.0	.0	2.0	9.0	11.0	6.0	28.0
NNW	.0	.0	2.0	6.0	3.0	3.0	.0	14.0
TOTAL	.0	1.0	6.0	30.0	33.0	19.0	6.0	95.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	9.0	2.0	1.0	1.0	13.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	1.0	.0	.0	.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	4.0	3.0	1.0	.0	.0	8.0
S	.0	.0	4.0	4.0	1.0	.0	.0	9.0
SSW	.0	.0	1.0	.0	2.0	.0	.0	3.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	1.0	1.0	.0	5.0	.0	7.0
W	.0	.0	.0	.0	2.0	.0	.0	2.0
WNW	.0	.0	.0	1.0	9.0	3.0	.0	13.0
NW	.0	.0	.0	1.0	12.0	7.0	7.0	27.0
NNW	.0	.0	1.0	1.0	4.0	1.0	1.0	8.0
TOTAL	.0	.0	11.0	21.0	33.0	17.0	9.0	91.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	5.0	34.0	57.0	40.0	29.0	29.0	194.0
NNE	.0	6.0	32.0	47.0	2.0	.0	.0	87.0
NE	.0	5.0	26.0	25.0	5.0	.0	.0	61.0
ENE	.0	10.0	14.0	12.0	1.0	.0	.0	37.0
E	.0	.0	8.0	.0	.0	.0	.0	8.0
ESE	.0	4.0	7.0	6.0	1.0	.0	.0	18.0
SE	.0	3.0	7.0	2.0	.0	.0	.0	12.0
SSE	.0	12.0	15.0	23.0	7.0	.0	.0	57.0
S	.0	19.0	27.0	5.0	8.0	.0	.0	59.0
SSW	.0	4.0	19.0	10.0	9.0	.0	.0	42.0
SW	.0	6.0	3.0	7.0	.0	2.0	.0	18.0
WSW	.0	5.0	10.0	4.0	4.0	2.0	1.0	26.0
W	.0	3.0	4.0	16.0	18.0	7.0	.0	48.0
WNW	.0	1.0	2.0	34.0	49.0	20.0	4.0	110.0
NW	.0	3.0	1.0	48.0	93.0	48.0	24.0	217.0
NNW	.0	3.0	2.0	24.0	67.0	28.0	15.0	139.0
TOTAL	.0	89.0	211.0	320.0	304.0	136.0	73.0	1133.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	6.0	10.0	19.0	6.0	.0	.0	41.0
NNE	.0	6.0	56.0	22.0	.0	.0	.0	84.0
NE	.0	10.0	7.0	1.0	.0	.0	.0	18.0
ENE	.0	7.0	3.0	1.0	.0	.0	.0	11.0
E	.0	3.0	1.0	.0	.0	.0	.0	4.0
ESE	.0	2.0	7.0	.0	.0	.0	.0	9.0
SE	.0	9.0	3.0	.0	.0	.0	.0	12.0
SSE	.0	15.0	37.0	19.0	3.0	.0	.0	74.0
S	.0	13.0	31.0	35.0	12.0	2.0	.0	93.0
SSW	.0	13.0	18.0	30.0	14.0	.0	.0	75.0
SW	.0	11.0	10.0	8.0	2.0	1.0	.0	32.0
WSW	.0	3.0	3.0	11.0	1.0	1.0	1.0	20.0
W	.0	2.0	4.0	4.0	4.0	.0	.0	14.0
WNW	.0	1.0	4.0	6.0	5.0	.0	.0	16.0
NW	.0	.0	7.0	13.0	9.0	.0	.0	29.0
NNW	.0	4.0	3.0	4.0	4.0	.0	.0	15.0
TOTAL	.0	105.0	204.0	173.0	60.0	4.0	1.0	547.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	9.0	11.0	4.0	1.0	.0	.0	25.0
NNE	.0	6.0	22.0	3.0	.0	.0	.0	31.0
NE	.0	4.0	.0	.0	.0	.0	.0	4.0
ENE	.0	5.0	2.0	.0	.0	.0	.0	7.0
E	.0	4.0	.0	.0	.0	.0	.0	4.0
ESE	.0	1.0	1.0	.0	.0	.0	.0	2.0
SE	.0	3.0	2.0	.0	.0	.0	.0	5.0
SSE	.0	3.0	10.0	.0	.0	.0	.0	13.0
S	.0	6.0	6.0	7.0	2.0	.0	.0	21.0
SSW	.0	11.0	1.0	4.0	1.0	.0	.0	17.0
SW	.0	9.0	5.0	1.0	.0	.0	.0	15.0
WSW	.0	6.0	2.0	1.0	.0	.0	.0	9.0
W	.0	3.0	1.0	.0	.0	.0	.0	4.0
WNW	.0	.0	.0	3.0	.0	.0	.0	3.0
NW	.0	2.0	1.0	.0	.0	.0	.0	3.0
NNW	.0	1.0	2.0	1.0	.0	.0	.0	4.0
TOTAL	.0	73.0	66.0	24.0	4.0	.0	.0	167.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	5.0	5.0	.0	.0	.0	.0	10.0
NNE	.0	2.0	8.0	2.0	.0	.0	.0	12.0
NE	.0	1.0	2.0	.0	.0	.0	.0	3.0
ENE	.0	1.0	.0	.0	.0	.0	.0	1.0
E	.0	1.0	.0	.0	.0	.0	.0	1.0
ESE	.0	1.0	.0	.0	.0	.0	.0	1.0
SE	.0	1.0	.0	.0	.0	.0	.0	1.0
SSE	.0	.0	1.0	.0	.0	.0	.0	1.0
S	.0	1.0	2.0	.0	.0	.0	.0	3.0
SSW	.0	2.0	.0	.0	.0	.0	.0	2.0
SW	.0	3.0	1.0	.0	.0	.0	.0	4.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	2.0	.0	.0	.0	.0	.0	2.0
WNW	.0	.0	1.0	.0	.0	.0	.0	1.0
NW	.0	3.0	.0	1.0	.0	.0	.0	4.0
NNW	.0	2.0	1.0	.0	.0	.0	.0	3.0
TOTAL	.0	25.0	21.0	3.0	.0	.0	.0	49.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	25.0	62.0	107.0	62.0	33.0	33.0	322.0
NNE	.0	20.0	119.0	74.0	3.0	.0	.0	216.0
NE	.0	20.0	35.0	26.0	5.0	.0	.0	86.0
ENE	.0	23.0	19.0	13.0	1.0	.0	.0	56.0
E	.0	8.0	9.0	1.0	.0	.0	.0	18.0
ESE	.0	10.0	15.0	6.0	1.0	.0	.0	32.0
SE	.0	16.0	12.0	2.0	.0	.0	.0	30.0
SSE	.0	30.0	68.0	61.0	15.0	.0	.0	174.0
S	.0	39.0	72.0	55.0	28.0	2.0	.0	196.0
SSW	.0	30.0	40.0	44.0	30.0	.0	.0	144.0
SW	.0	29.0	19.0	17.0	2.0	3.0	.0	70.0
WSW	.0	14.0	18.0	18.0	5.0	9.0	2.0	66.0
W	.0	10.0	9.0	23.0	28.0	9.0	.0	79.0
WNW	.0	2.0	7.0	50.0	69.0	29.0	4.0	161.0
NW	.0	8.0	10.0	72.0	137.0	74.0	38.0	339.0
NNW	.0	10.0	11.0	46.0	79.0	33.0	16.0	195.0
TOTAL	.0	294.0	525.0	615.0	465.0	192.0	93.0	2184.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0	.0	.0	.0	.0	.0	.0	.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	1.0	.0	.0	1.0
SSE	.0	.0	.0	.0	2.0	.0	.0	2.0
S	.0	.0	.0	.0	1.0	.0	.0	1.0
SSW	.0	.0	.0	.0	1.0	.0	.0	1.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	1.0	.0	1.0
WNW	.0	.0	.0	2.0	.0	1.0	1.0	4.0
NW	.0	.0	.0	2.0	3.0	.0	.0	5.0
NNW	.0	.0	.0	2.0	.0	.0	.0	2.0
TOTAL	.0	.0	.0	6.0	8.0	2.0	1.0	17.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	3.0	4.0	.0	.0	7.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	3.0	.0	.0	.0	3.0
SSE	.0	.0	1.0	4.0	1.0	.0	.0	6.0
S	.0	.0	.0	1.0	3.0	.0	.0	4.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	1.0	2.0	5.0	5.0	3.0	16.0
NW	.0	.0	.0	3.0	6.0	1.0	1.0	11.0
NNW	.0	.0	.0	10.0	3.0	2.0	2.0	17.0
TOTAL	.0	.0	2.0	26.0	22.0	8.0	6.0	64.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	1.0	20.0	51.0	42.0	19.0	18.0	151.0
NNE	.0	5.0	26.0	34.0	9.0	.0	.0	74.0
NE	.0	5.0	7.0	16.0	15.0	.0	.0	43.0
ENE	.0	4.0	6.0	10.0	.0	.0	.0	20.0
E	.0	3.0	7.0	8.0	3.0	.0	.0	21.0
ESE	.0	4.0	4.0	11.0	.0	.0	.0	19.0
SE	.0	6.0	11.0	11.0	10.0	2.0	.0	40.0
SSE	.0	8.0	31.0	20.0	9.0	1.0	.0	69.0
S	.0	5.0	17.0	9.0	28.0	3.0	.0	62.0
SSW	.0	.0	8.0	8.0	4.0	3.0	.0	23.0
SW	.0	2.0	3.0	2.0	6.0	1.0	3.0	17.0
WSW	.0	1.0	8.0	16.0	18.0	9.0	5.0	57.0
W	.0	.0	1.0	14.0	38.0	25.0	3.0	81.0
WNW	.0	1.0	5.0	32.0	110.0	81.0	40.0	269.0
NW	.0	1.0	3.0	28.0	112.0	69.0	39.0	252.0
NNW	.0	2.0	13.0	27.0	45.0	17.0	5.0	109.0
TOTAL	.0	48.0	170.0	297.0	449.0	230.0	113.0	1307.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	4.0	22.0	32.0	18.0	1.0	8.0	85.0
NNE	.0	12.0	22.0	8.0	2.0	.0	.0	44.0
NE	.0	9.0	19.0	1.0	.0	.0	.0	29.0
ENE	.0	3.0	1.0	.0	1.0	.0	.0	5.0
E	.0	6.0	5.0	2.0	.0	.0	.0	13.0
ESE	.0	8.0	11.0	1.0	.0	.0	.0	20.0
SE	.0	11.0	31.0	7.0	2.0	.0	.0	51.0
SSE	.0	14.0	50.0	34.0	10.0	2.0	1.0	111.0
S	.0	14.0	34.0	39.0	35.0	1.0	1.0	124.0
SSW	.0	12.0	9.0	17.0	15.0	4.0	.0	57.0
SW	.0	7.0	9.0	11.0	2.0	2.0	.0	31.0
WSW	.0	6.0	4.0	6.0	.0	.0	.0	16.0
W	.0	5.0	6.0	4.0	2.0	.0	.0	17.0
WNW	.0	.0	3.0	4.0	4.0	.0	.0	11.0
NW	.0	8.0	4.0	7.0	4.0	.0	.0	23.0
NNW	.0	2.0	6.0	11.0	6.0	1.0	4.0	30.0
TOTAL	.0	121.0	236.0	184.0	101.0	11.0	14.0	667.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	2.0	5.0	2.0	.0	.0	.0	9.0
NNE	.0	1.0	3.0	.0	.0	.0	.0	4.0
NE	.0	5.0	4.0	.0	.0	.0	.0	9.0
ENE	.0	4.0	.0	.0	.0	.0	.0	4.0
E	.0	2.0	.0	.0	.0	.0	.0	2.0
ESE	.0	1.0	.0	.0	.0	.0	.0	1.0
SE	.0	2.0	.0	.0	.0	.0	.0	2.0
SSE	.0	7.0	17.0	1.0	1.0	.0	.0	26.0
S	.0	7.0	12.0	6.0	1.0	1.0	.0	27.0
SSW	.0	6.0	2.0	2.0	.0	.0	.0	10.0
SW	.0	4.0	2.0	1.0	.0	.0	.0	7.0
WSW	.0	1.0	1.0	.0	.0	.0	.0	2.0
W	.0	2.0	1.0	1.0	.0	.0	.0	4.0
WNW	.0	1.0	1.0	1.0	.0	.0	.0	3.0
NW	.0	2.0	.0	1.0	.0	.0	.0	3.0
NNW	.0	3.0	4.0	.0	.0	.0	.0	7.0
TOTAL	.0	50.0	52.0	15.0	2.0	1.0	.0	120.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.0	.0	.0	.0	.0	.0	1.0
ESE	.0	1.0	.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.0	.0	.0	.0	.0	.0	1.0
SSW	.0	.0	1.0	.0	.0	.0	.0	1.0
SW	.0	.0	1.0	1.0	.0	.0	.0	2.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	1.0	.0	.0	.0	.0	1.0
NW	.0	.0	1.0	.0	.0	.0	.0	1.0
NNW	.0	.0	1.0	.0	.0	.0	.0	1.0
TOTAL	.0	3.0	5.0	1.0	.0	.0	.0	9.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 1/ 1/ 0] TO [2000/ 3/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	7.0	47.0	88.0	64.0	20.0	26.0	252.0
NNE	.0	18.0	51.0	42.0	11.0	.0	.0	122.0
NE	.0	19.0	30.0	17.0	15.0	.0	.0	81.0
ENE	.0	11.0	7.0	10.0	1.0	.0	.0	29.0
E	.0	12.0	12.0	10.0	3.0	.0	.0	37.0
ESE	.0	14.0	15.0	12.0	.0	.0	.0	41.0
SE	.0	19.0	42.0	21.0	13.0	2.0	.0	97.0
SSE	.0	29.0	99.0	59.0	23.0	3.0	1.0	214.0
S	.0	27.0	63.0	55.0	68.0	5.0	1.0	219.0
SSW	.0	18.0	20.0	27.0	20.0	7.0	.0	92.0
SW	.0	13.0	15.0	15.0	8.0	3.0	3.0	57.0
WSW	.0	8.0	13.0	22.0	18.0	9.0	5.0	75.0
W	.0	7.0	8.0	19.0	40.0	26.0	3.0	103.0
WNW	.0	2.0	11.0	41.0	119.0	87.0	44.0	304.0
NW	.0	11.0	8.0	41.0	125.0	70.0	40.0	295.0
NNW	.0	7.0	24.0	50.0	54.0	20.0	11.0	166.0
TOTAL	.0	222.0	465.0	529.0	582.0	252.0	134.0	2184.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2184

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	12.0	16.0	.0	.0	.0	28.0
NNE	.0	.0	1.0	2.0	1.0	.0	.0	4.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	2.0	.0	.0	.0	.0	2.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	36.0	21.0	3.0	.0	.0	60.0
S	.0	.0	16.0	3.0	.0	.0	.0	19.0
SSW	.0	.0	2.0	3.0	.0	.0	.0	5.0
SW	.0	.0	5.0	1.0	.0	.0	.0	6.0
WSW	.0	.0	9.0	.0	.0	.0	.0	9.0
W	.0	.0	8.0	2.0	.0	.0	.0	10.0
WNW	.0	.0	10.0	5.0	.0	.0	.0	15.0
NW	.0	.0	22.0	13.0	.0	.0	.0	35.0
NNW	.0	.0	21.0	9.0	.0	.0	.0	30.0
TOTAL	.0	.0	144.0	75.0	4.0	.0	.0	223.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	10.0	5.0	.0	.0	.0	15.0
NNE	.0	.0	4.0	1.0	.0	.0	.0	5.0
NE	.0	.0	.0	1.0	.0	.0	.0	1.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.0	1.0	.0	.0	.0	.0	2.0
SSE	.0	.0	12.0	2.0	.0	.0	.0	14.0
S	.0	1.0	19.0	4.0	.0	.0	.0	24.0
SSW	.0	.0	9.0	4.0	.0	.0	.0	13.0
SW	.0	.0	6.0	.0	.0	.0	.0	6.0
WSW	.0	1.0	6.0	.0	.0	.0	.0	7.0
W	.0	2.0	1.0	.0	.0	.0	.0	3.0
WNW	.0	.0	4.0	8.0	.0	.0	.0	12.0
NW	.0	.0	1.0	3.0	1.0	.0	.0	5.0
NNW	.0	.0	7.0	1.0	.0	.0	.0	8.0
TOTAL	.0	5.0	80.0	29.0	1.0	.0	.0	115.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	16.0	5.0	.0	.0	.0	21.0
NNE	.0	.0	8.0	4.0	.0	.0	.0	12.0
NE	.0	1.0	2.0	1.0	.0	.0	.0	4.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.0	.0	.0	.0	.0	.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.0	.0	.0	.0	.0	.0	1.0
SSE	.0	1.0	16.0	.0	.0	.0	.0	17.0
S	.0	1.0	22.0	7.0	.0	.0	.0	30.0
SSW	.0	1.0	10.0	3.0	.0	.0	.0	14.0
SW	.0	.0	6.0	.0	.0	.0	.0	6.0
WSW	.0	1.0	2.0	1.0	.0	.0	.0	4.0
W	.0	2.0	2.0	.0	.0	.0	.0	4.0
WNW	.0	1.0	2.0	3.0	.0	.0	.0	6.0
NW	.0	.0	5.0	1.0	.0	.0	.0	6.0
NNW	.0	1.0	7.0	3.0	.0	.0	.0	11.0
TOTAL	.0	11.0	98.0	28.0	.0	.0	.0	137.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	13.0	72.0	37.0	2.0	.0	.0	124.0
NNE	.0	23.0	76.0	53.0	1.0	.0	.0	153.0
NE	.0	35.0	37.0	3.0	.0	.0	.0	75.0
ENE	.0	29.0	10.0	.0	.0	.0	.0	39.0
E	.0	33.0	1.0	.0	.0	.0	.0	34.0
ESE	.0	28.0	9.0	.0	.0	.0	.0	37.0
SE	.0	23.0	8.0	.0	.0	.0	.0	31.0
SSE	.0	34.0	65.0	8.0	1.0	.0	.0	108.0
S	.0	36.0	84.0	11.0	2.0	.0	.0	133.0
SSW	.0	18.0	41.0	7.0	1.0	.0	.0	67.0
SW	.0	12.0	8.0	.0	.0	.0	.0	20.0
WSW	.0	6.0	15.0	.0	.0	.0	.0	21.0
W	.0	5.0	11.0	2.0	.0	.0	.0	18.0
WNW	.0	1.0	27.0	7.0	.0	.0	.0	35.0
NW	.0	4.0	19.0	6.0	.0	.0	.0	29.0
NNW	.0	10.0	29.0	5.0	.0	.0	.0	44.0
TOTAL	.0	310.0	512.0	139.0	7.0	.0	.0	968.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	16.0	12.0	.0	.0	.0	.0	28.0
NNE	.0	41.0	54.0	2.0	.0	.0	.0	97.0
NE	.0	17.0	14.0	.0	.0	.0	.0	31.0
ENE	.0	14.0	1.0	.0	.0	.0	.0	15.0
E	.0	15.0	.0	.0	.0	.0	.0	15.0
ESE	.0	10.0	2.0	.0	.0	.0	.0	12.0
SE	.0	11.0	1.0	.0	.0	.0	.0	12.0
SSE	.0	44.0	14.0	.0	.0	.0	.0	58.0
S	.0	84.0	46.0	4.0	.0	.0	.0	134.0
SSW	.0	30.0	5.0	.0	.0	.0	.0	35.0
SW	.0	25.0	4.0	.0	.0	.0	.0	29.0
WSW	.0	9.0	2.0	1.0	.0	.0	.0	12.0
W	.0	11.0	6.0	1.0	.0	.0	.0	18.0
WNW	.0	6.0	9.0	1.0	.0	.0	.0	16.0
NW	.0	3.0	7.0	.0	.0	.0	.0	10.0
NNW	.0	7.0	6.0	3.0	.0	.0	.0	16.0
TOTAL	.0	343.0	183.0	12.0	.0	.0	.0	538.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	11.0	1.0	.0	.0	.0	.0	12.0
NNE	.0	38.0	17.0	.0	.0	.0	.0	55.0
NE	.0	14.0	2.0	.0	.0	.0	.0	16.0
ENE	.0	3.0	.0	.0	.0	.0	.0	3.0
E	.0	3.0	.0	.0	.0	.0	.0	3.0
ESE	.0	5.0	.0	.0	.0	.0	.0	5.0
SE	.0	4.0	.0	.0	.0	.0	.0	4.0
SSE	.0	8.0	.0	.0	.0	.0	.0	8.0
S	.0	11.0	4.0	.0	.0	.0	.0	15.0
SSW	.0	7.0	.0	.0	.0	.0	.0	7.0
SW	.0	9.0	1.0	.0	.0	.0	.0	10.0
WSW	.0	2.0	.0	.0	.0	.0	.0	2.0
W	.0	4.0	.0	.0	.0	.0	.0	4.0
WNW	.0	2.0	.0	.0	.0	.0	.0	2.0
NW	.0	5.0	.0	.0	.0	.0	.0	5.0
NNW	.0	8.0	.0	.0	.0	.0	.0	8.0
TOTAL	.0	134.0	25.0	.0	.0	.0	.0	159.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	7.0	.0	.0	.0	.0	.0	7.0
NNE	.0	2.0	3.0	1.0	.0	.0	.0	6.0
NE	.0	4.0	3.0	.0	.0	.0	.0	7.0
ENE	.0	1.0	.0	.0	.0	.0	.0	1.0
E	.0	1.0	.0	.0	.0	.0	.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.0	.0	.0	.0	.0	.0	1.0
SSE	.0	4.0	.0	.0	.0	.0	.0	4.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	1.0	.0	.0	.0	.0	.0	1.0
SW	.0	1.0	.0	.0	.0	.0	.0	1.0
WSW	.0	1.0	.0	.0	.0	.0	.0	1.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	1.0	.0	.0	.0	.0	.0	1.0
NNW	.0	2.0	.0	.0	.0	.0	.0	2.0
TOTAL	.0	26.0	6.0	1.0	.0	.0	.0	33.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	47.0	123.0	63.0	2.0	.0	.0	235.0
NNE	.0	104.0	163.0	63.0	2.0	.0	.0	332.0
NE	.0	71.0	58.0	5.0	.0	.0	.0	134.0
ENE	.0	47.0	13.0	.0	.0	.0	.0	60.0
E	.0	53.0	1.0	.0	.0	.0	.0	54.0
ESE	.0	43.0	11.0	.0	.0	.0	.0	54.0
SE	.0	41.0	10.0	.0	.0	.0	.0	51.0
SSE	.0	91.0	143.0	31.0	4.0	.0	.0	269.0
S	.0	133.0	191.0	29.0	2.0	.0	.0	355.0
SSW	.0	57.0	67.0	17.0	1.0	.0	.0	142.0
SW	.0	47.0	30.0	1.0	.0	.0	.0	78.0
WSW	.0	20.0	34.0	2.0	.0	.0	.0	56.0
W	.0	24.0	28.0	5.0	.0	.0	.0	57.0
WNW	.0	10.0	52.0	24.0	.0	.0	.0	86.0
NW	.0	13.0	54.0	23.0	1.0	.0	.0	91.0
NNW	.0	28.0	70.0	21.0	.0	.0	.0	119.0
TOTAL	.0	829.0	1048.0	284.0	12.0	.0	.0	2173.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	1.0	5.0	15.0	5.0	1.0	27.0
NNE	.0	.0	.0	2.0	1.0	.0	.0	3.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	2.0	.0	.0	.0	2.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	13.0	38.0	16.0	3.0	1.0	71.0
S	.0	.0	2.0	3.0	2.0	.0	.0	7.0
SSW	.0	.0	.0	.0	2.0	.0	.0	2.0
SW	.0	.0	.0	1.0	5.0	.0	.0	6.0
WSW	.0	.0	1.0	5.0	.0	.0	.0	6.0
W	.0	.0	2.0	8.0	2.0	1.0	.0	13.0
WNW	.0	.0	.0	6.0	6.0	5.0	.0	17.0
NW	.0	.0	1.0	13.0	16.0	11.0	2.0	43.0
NNW	.0	.0	2.0	4.0	16.0	4.0	.0	26.0
TOTAL	.0	.0	22.0	87.0	81.0	29.0	4.0	223.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	3.0	6.0	4.0	.0	1.0	14.0
NNE	.0	.0	.0	3.0	.0	.0	.0	3.0
NE	.0	.0	1.0	2.0	.0	.0	.0	3.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	2.0	2.0	.0	.0	.0	4.0
SSE	.0	.0	10.0	8.0	4.0	.0	.0	22.0
S	.0	.0	8.0	4.0	2.0	.0	.0	14.0
SSW	.0	.0	1.0	1.0	3.0	.0	.0	5.0
SW	.0	.0	.0	4.0	4.0	.0	.0	8.0
WSW	.0	.0	2.0	3.0	2.0	.0	.0	7.0
W	.0	.0	3.0	3.0	2.0	.0	.0	8.0
WNW	.0	.0	.0	.0	5.0	7.0	.0	12.0
NW	.0	1.0	1.0	1.0	2.0	2.0	2.0	9.0
NNW	.0	.0	1.0	1.0	3.0	1.0	.0	6.0
TOTAL	.0	1.0	32.0	38.0	31.0	10.0	3.0	115.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	5.0	8.0	3.0	6.0	.0	22.0
NNE	.0	.0	3.0	6.0	.0	.0	.0	9.0
NE	.0	.0	1.0	1.0	.0	.0	.0	2.0
ENE	.0	.0	1.0	1.0	.0	.0	.0	2.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	1.0	.0	.0	.0	.0	1.0
SE	.0	.0	2.0	.0	.0	.0	.0	2.0
SSE	.0	.0	9.0	13.0	2.0	.0	.0	24.0
S	.0	1.0	13.0	3.0	2.0	.0	.0	19.0
SSW	.0	.0	2.0	2.0	3.0	1.0	.0	8.0
SW	.0	.0	2.0	2.0	4.0	.0	.0	8.0
WSW	.0	.0	.0	1.0	5.0	1.0	.0	7.0
W	.0	.0	2.0	2.0	.0	.0	.0	4.0
WNW	.0	.0	2.0	2.0	2.0	1.0	1.0	8.0
NW	.0	.0	1.0	3.0	3.0	3.0	.0	10.0
NNW	.0	.0	4.0	1.0	4.0	2.0	.0	11.0
TOTAL	.0	1.0	48.0	45.0	28.0	14.0	1.0	137.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	4.0	15.0	33.0	42.0	15.0	6.0	115.0
NNE	.0	5.0	39.0	35.0	16.0	.0	1.0	96.0
NE	.0	9.0	36.0	30.0	9.0	.0	.0	84.0
ENE	.0	5.0	31.0	11.0	1.0	.0	.0	48.0
E	.0	7.0	20.0	7.0	.0	.0	.0	34.0
ESE	.0	4.0	26.0	17.0	3.0	.0	.0	50.0
SE	.0	12.0	32.0	12.0	.0	.0	.0	56.0
SSE	.0	11.0	43.0	55.0	14.0	3.0	.0	126.0
S	.0	11.0	71.0	23.0	6.0	.0	.0	111.0
SSW	.0	2.0	22.0	9.0	6.0	6.0	1.0	46.0
SW	.0	4.0	6.0	5.0	9.0	3.0	.0	27.0
WSW	.0	3.0	6.0	6.0	3.0	.0	.0	18.0
W	.0	3.0	3.0	5.0	7.0	2.0	.0	20.0
WNW	.0	3.0	3.0	10.0	20.0	3.0	.0	39.0
NW	.0	4.0	3.0	14.0	17.0	10.0	1.0	49.0
NNW	.0	3.0	7.0	15.0	16.0	7.0	1.0	49.0
TOTAL	.0	90.0	363.0	287.0	169.0	49.0	10.0	968.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	6.0	14.0	5.0	3.0	.0	.0	28.0
NNE	.0	7.0	57.0	26.0	.0	.0	.0	90.0
NE	.0	4.0	10.0	2.0	.0	.0	.0	16.0
ENE	.0	7.0	3.0	.0	.0	.0	.0	10.0
E	.0	6.0	5.0	1.0	.0	.0	.0	12.0
ESE	.0	2.0	8.0	.0	.0	.0	.0	10.0
SE	.0	7.0	8.0	2.0	.0	.0	.0	17.0
SSE	.0	7.0	37.0	18.0	2.0	.0	.0	64.0
S	.0	19.0	49.0	20.0	2.0	.0	.0	90.0
SSW	.0	11.0	29.0	20.0	6.0	.0	.0	66.0
SW	.0	9.0	10.0	9.0	1.0	.0	.0	29.0
WSW	.0	3.0	9.0	3.0	3.0	1.0	.0	19.0
W	.0	4.0	6.0	8.0	1.0	.0	1.0	20.0
WNW	.0	1.0	3.0	7.0	2.0	.0	1.0	14.0
NW	.0	2.0	4.0	12.0	8.0	.0	.0	26.0
NNW	.0	3.0	5.0	12.0	5.0	1.0	1.0	27.0
TOTAL	.0	98.0	257.0	145.0	33.0	2.0	3.0	538.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	5.0	14.0	3.0	.0	.0	.0	22.0
NNE	.0	9.0	28.0	2.0	.0	.0	.0	39.0
NE	.0	2.0	3.0	.0	.0	.0	.0	5.0
ENE	.0	3.0	.0	.0	.0	.0	.0	3.0
E	.0	.0	1.0	.0	.0	.0	.0	1.0
ESE	.0	3.0	.0	.0	.0	.0	.0	3.0
SE	.0	.0	2.0	.0	.0	.0	.0	2.0
SSE	.0	2.0	6.0	1.0	.0	.0	.0	9.0
S	.0	6.0	7.0	5.0	.0	.0	.0	18.0
SSW	.0	4.0	10.0	4.0	.0	.0	.0	18.0
SW	.0	3.0	3.0	2.0	.0	.0	.0	8.0
WSW	.0	3.0	2.0	3.0	.0	.0	.0	8.0
W	.0	2.0	4.0	2.0	.0	.0	.0	8.0
WNW	.0	1.0	1.0	2.0	.0	.0	.0	4.0
NW	.0	1.0	3.0	1.0	.0	.0	.0	5.0
NNW	.0	.0	4.0	2.0	.0	.0	.0	6.0
TOTAL	.0	44.0	88.0	27.0	.0	.0	.0	159.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	1.0	3.0	2.0	.0	.0	.0	6.0
NNE	.0	1.0	4.0	2.0	.0	.0	.0	7.0
NE	.0	2.0	.0	.0	.0	.0	.0	2.0
ENE	.0	1.0	.0	.0	.0	.0	.0	1.0
E	.0	.0	1.0	.0	.0	.0	.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	1.0	.0	.0	.0	.0	1.0
S	.0	2.0	1.0	.0	.0	.0	.0	3.0
SSW	.0	1.0	.0	.0	.0	.0	.0	1.0
SW	.0	2.0	1.0	.0	.0	.0	.0	3.0
WSW	.0	.0	1.0	.0	.0	.0	.0	1.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	1.0	1.0	2.0	.0	.0	.0	4.0
NW	.0	1.0	.0	.0	.0	.0	.0	1.0
NNW	.0	2.0	.0	.0	.0	.0	.0	2.0
TOTAL	.0	14.0	13.0	6.0	.0	.0	.0	33.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	60.00
TEMPERATURE SENSOR SEPARATION (METERS)	50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	11
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	16.0	55.0	62.0	67.0	26.0	8.0	234.0
NNE	.0	22.0	131.0	76.0	17.0	.0	1.0	247.0
NE	.0	17.0	51.0	35.0	9.0	.0	.0	112.0
ENE	.0	16.0	35.0	14.0	1.0	.0	.0	66.0
E	.0	13.0	27.0	8.0	.0	.0	.0	48.0
ESE	.0	9.0	35.0	17.0	3.0	.0	.0	64.0
SE	.0	19.0	46.0	16.0	.0	.0	.0	81.0
SSE	.0	20.0	119.0	133.0	38.0	6.0	1.0	317.0
S	.0	39.0	151.0	58.0	14.0	.0	.0	262.0
SSW	.0	18.0	64.0	36.0	20.0	7.0	1.0	146.0
SW	.0	18.0	22.0	23.0	23.0	3.0	.0	89.0
WSW	.0	9.0	21.0	21.0	13.0	2.0	.0	66.0
W	.0	9.0	20.0	28.0	12.0	3.0	1.0	73.0
WNW	.0	6.0	10.0	29.0	35.0	16.0	2.0	98.0
NW	.0	9.0	13.0	44.0	46.0	26.0	5.0	143.0
NNW	.0	8.0	23.0	35.0	44.0	15.0	2.0	127.0
TOTAL	.0	248.0	823.0	635.0	342.0	104.0	21.0	2173.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 11
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2173

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	1.0	1.0	.0	2.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	3.0	4.0	2.0	.0	9.0
SSE	.0	.0	.0	.0	1.0	1.0	.0	2.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	1.0	.0	.0	1.0
WNW	.0	.0	.0	2.0	6.0	.0	.0	8.0
NW	.0	.0	.0	.0	1.0	1.0	1.0	3.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0	.0	.0	5.0	14.0	5.0	1.0	25.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	122.00
TEMPERATURE SENSOR SEPARATION (METERS)	112.00
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	36
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2147

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	2.0	2.0	1.0	.0	5.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	11.0	3.0	4.0	1.0	19.0
SSE	.0	.0	1.0	1.0	1.0	.0	.0	3.0
S	.0	.0	.0	.0	1.0	.0	.0	1.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	1.0	.0	.0	1.0
WSW	.0	.0	.0	4.0	.0	.0	.0	4.0
W	.0	.0	.0	3.0	1.0	4.0	.0	8.0
WNW	.0	.0	.0	4.0	7.0	3.0	.0	14.0
NW	.0	.0	1.0	3.0	3.0	6.0	2.0	15.0
NNW	.0	.0	1.0	.0	4.0	5.0	.0	10.0
TOTAL	.0	.0	3.0	28.0	23.0	23.0	3.0	80.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 36
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2147

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	1.0	3.0	2.0	4.0	.0	10.0
NNE	.0	.0	.0	4.0	.0	.0	.0	4.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	1.0	1.0	.0	.0	2.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	6.0	5.0	4.0	.0	.0	15.0
SSE	.0	.0	4.0	14.0	3.0	1.0	2.0	24.0
S	.0	.0	.0	.0	1.0	.0	.0	1.0
SSW	.0	.0	.0	.0	3.0	.0	.0	3.0
SW	.0	.0	1.0	1.0	1.0	1.0	.0	4.0
WSW	.0	.0	.0	2.0	1.0	.0	.0	3.0
W	.0	.0	1.0	3.0	4.0	1.0	.0	9.0
WNW	.0	.0	.0	3.0	7.0	6.0	2.0	18.0
NW	.0	.0	.0	2.0	5.0	3.0	1.0	11.0
NNW	.0	.0	.0	4.0	11.0	7.0	3.0	25.0
TOTAL	.0	.0	13.0	42.0	43.0	23.0	8.0	129.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 36
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2147

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	1.5	6.0	30.0	42.0	44.0	19.0	6.0	148.5
NNE	.8	3.0	21.0	30.0	31.0	.0	.0	85.8
NE	1.5	6.0	22.0	27.0	7.0	.0	.0	63.5
ENE	.5	2.0	19.0	10.0	3.0	.0	.0	34.5
E	2.0	8.0	27.0	21.0	4.0	.0	.0	62.0
ESE	1.0	4.0	31.0	18.0	6.0	.0	.0	60.0
SE	1.5	6.0	33.0	38.0	17.0	2.0	.0	97.5
SSE	3.3	13.0	65.0	55.0	42.0	6.0	2.0	186.3
S	.8	3.0	39.0	26.0	9.0	12.0	2.0	91.8
SSW	1.3	5.0	11.0	5.0	22.0	6.0	1.0	51.3
SW	.5	2.0	7.0	9.0	20.0	4.0	.0	42.5
WSW	.0	.0	9.0	10.0	11.0	4.0	.0	34.0
W	.0	.0	10.0	10.0	24.0	9.0	3.0	56.0
WNW	.5	2.0	4.0	19.0	23.0	16.0	8.0	72.5
NW	1.0	4.0	8.0	14.0	26.0	18.0	4.0	75.0
NNW	.8	3.0	8.0	20.0	26.0	18.0	7.0	82.8
TOTAL	17.0	67.0	344.0	354.0	315.0	114.0	33.0	1244.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 36
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2147

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.5	4.0	13.0	18.0	2.0	.0	.0	37.5
NNE	.6	5.0	8.0	8.0	.0	.0	.0	21.6
NE	.9	7.0	8.0	5.0	1.0	.0	.0	21.9
ENE	.4	3.0	4.0	.0	.0	.0	.0	7.4
E	.5	4.0	3.0	2.0	.0	.0	.0	9.5
ESE	.8	6.0	3.0	6.0	.0	.0	.0	15.8
SE	1.1	9.0	23.0	12.0	1.0	.0	.0	46.1
SSE	1.0	8.0	58.0	27.0	7.0	.0	2.0	103.0
S	1.1	9.0	35.0	31.0	8.0	1.0	.0	85.1
SSW	.8	6.0	7.0	19.0	6.0	.0	.0	38.8
SW	.9	7.0	3.0	12.0	1.0	.0	.0	23.9
WSW	.5	4.0	10.0	5.0	3.0	.0	.0	22.5
W	.3	2.0	7.0	11.0	2.0	1.0	1.0	24.3
WNW	.3	2.0	4.0	3.0	2.0	2.0	4.0	17.3
NW	.0	.0	7.0	6.0	5.0	3.0	2.0	23.0
NNW	.5	4.0	12.0	5.0	3.0	1.0	.0	25.5
TOTAL	10.0	80.0	205.0	170.0	41.0	8.0	9.0	523.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 36
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2147

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.1	1.0	5.0	4.0	.0	.0	.0	10.1
NNE	.1	2.0	9.0	.0	.0	.0	.0	11.1
NE	.1	1.0	.0	.0	.0	.0	.0	1.1
ENE	.0	.0	1.0	.0	.0	.0	.0	1.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.5	8.0	.0	.0	.0	.0	.0	8.5
SSE	.3	6.0	4.0	1.0	.0	.0	.0	11.3
S	.3	5.0	6.0	5.0	.0	.0	.0	16.3
SSW	.2	4.0	6.0	1.0	.0	.0	.0	11.2
SW	.5	8.0	2.0	4.0	.0	.0	.0	14.5
WSW	.2	3.0	1.0	1.0	1.0	.0	.0	6.2
W	.2	4.0	1.0	.0	.0	.0	.0	5.2
WNW	.1	2.0	2.0	5.0	3.0	.0	.0	12.1
NW	.3	6.0	6.0	1.0	.0	.0	.0	13.3
NNW	.1	2.0	2.0	10.0	.0	.0	.0	14.1
TOTAL	3.0	52.0	45.0	32.0	4.0	.0	.0	136.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 36
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2147

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	2.0	.0	.0	.0	.0	2.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	1.0	1.0	.0	.0	.0	.0	2.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	1.0	.0	1.0	.0	2.0
WNW	.0	1.0	.0	2.0	.0	.0	.0	3.0
NW	.0	.0	1.0	.0	.0	.0	.0	1.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0	2.0	4.0	3.0	.0	1.0	.0	10.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	122.00
TEMPERATURE SENSOR SEPARATION (METERS)	112.00
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	36
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2147

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 4/ 1/ 0] TO [2000/ 6/30/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	2.1	11.0	49.0	69.0	51.0	25.0	6.0	213.1
NNE	1.5	10.0	40.0	42.0	31.0	.0	.0	124.5
NE	2.5	14.0	30.0	32.0	8.0	.0	.0	86.5
ENE	.9	5.0	24.0	11.0	4.0	.0	.0	44.9
E	2.5	12.0	30.0	23.0	4.0	.0	.0	71.5
ESE	1.8	10.0	34.0	24.0	6.0	.0	.0	75.8
SE	3.1	23.0	62.0	69.0	29.0	8.0	1.0	195.1
SSE	4.6	27.0	132.0	98.0	54.0	8.0	6.0	329.6
S	2.2	17.0	80.0	62.0	19.0	13.0	2.0	195.2
SSW	2.2	15.0	24.0	25.0	31.0	6.0	1.0	104.2
SW	1.8	18.0	14.0	26.0	23.0	5.0	.0	87.8
WSW	.7	7.0	20.0	22.0	16.0	4.0	.0	69.7
W	.5	6.0	19.0	28.0	32.0	16.0	4.0	105.5
WNW	.9	7.0	10.0	38.0	48.0	27.0	14.0	144.9
NW	1.4	10.0	23.0	26.0	40.0	31.0	10.0	141.4
NNW	1.4	9.0	23.0	39.0	44.0	31.0	10.0	157.4
TOTAL	30.0	201.0	614.0	634.0	440.0	174.0	54.0	2147.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 36
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2147

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	53.0	3.0	.0	.0	.0	56.0
NNE	.0	.0	1.0	3.0	.0	.0	.0	4.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	1.0	.0	.0	.0	.0	1.0
ESE	.0	.0	1.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	1.0	20.0	.0	.0	.0	.0	21.0
S	.0	.0	44.0	.0	.0	.0	.0	44.0
SSW	.0	.0	7.0	2.0	.0	.0	.0	9.0
SW	.0	1.0	2.0	.0	.0	.0	.0	3.0
WSW	.0	.0	10.0	.0	.0	.0	.0	10.0
W	.0	.0	6.0	.0	.0	.0	.0	6.0
WNW	.0	1.0	4.0	.0	.0	.0	.0	5.0
NW	.0	.0	6.0	.0	.0	.0	.0	6.0
NNW	.0	.0	10.0	.0	.0	.0	.0	10.0
TOTAL	.0	3.0	165.0	8.0	.0	.0	.0	176.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	1.0	46.0	6.0	.0	.0	.0	53.0
NNE	.0	.0	11.0	1.0	.0	.0	.0	12.0
NE	.0	.0	3.0	.0	.0	.0	.0	3.0
ENE	.0	.0	2.0	.0	.0	.0	.0	2.0
E	.0	.0	1.0	.0	.0	.0	.0	1.0
ESE	.0	1.0	.0	.0	.0	.0	.0	1.0
SE	.0	1.0	.0	.0	.0	.0	.0	1.0
SSE	.0	2.0	1.0	.0	.0	.0	.0	3.0
S	.0	3.0	30.0	2.0	.0	.0	.0	35.0
SSW	.0	2.0	10.0	.0	.0	.0	.0	12.0
SW	.0	1.0	3.0	.0	.0	.0	.0	4.0
WSW	.0	2.0	6.0	.0	.0	.0	.0	8.0
W	.0	2.0	6.0	.0	.0	.0	.0	8.0
WNW	.0	1.0	1.0	.0	.0	.0	.0	2.0
NW	.0	1.0	.0	.0	.0	.0	.0	1.0
NNW	.0	2.0	3.0	.0	.0	.0	.0	5.0
TOTAL	.0	19.0	123.0	9.0	.0	.0	.0	151.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	9.0	16.0	5.0	.0	.0	.0	30.0
NNE	.0	.0	11.0	3.0	.0	.0	.0	14.0
NE	.0	3.0	1.0	.0	.0	.0	.0	4.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	2.0	1.0	.0	.0	.0	.0	3.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	2.0	.0	.0	.0	.0	.0	2.0
SSE	.0	3.0	3.0	.0	.0	.0	.0	6.0
S	.0	13.0	22.0	2.0	.0	.0	.0	37.0
SSW	.0	3.0	13.0	.0	.0	.0	.0	16.0
SW	.0	5.0	2.0	.0	.0	.0	.0	7.0
WSW	.0	4.0	4.0	.0	.0	.0	.0	8.0
W	.0	2.0	4.0	.0	.0	.0	.0	6.0
WNW	.0	.0	1.0	.0	.0	.0	.0	1.0
NW	.0	2.0	2.0	.0	.0	.0	.0	4.0
NNW	.0	5.0	4.0	.0	.0	.0	.0	9.0
TOTAL	.0	53.0	84.0	10.0	.0	.0	.0	147.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	10.00
TEMPERATURE SENSOR SEPARATION (METERS)	50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	2
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	23.0	91.0	6.0	.0	.0	.0	120.0
NNE	.0	34.0	206.0	57.0	2.0	.0	.0	299.0
NE	.0	28.0	24.0	2.0	.0	.0	.0	54.0
ENE	.0	25.0	6.0	.0	.0	.0	.0	31.0
E	.0	18.0	2.0	.0	.0	.0	.0	20.0
ESE	.0	15.0	1.0	.0	.0	.0	.0	16.0
SE	.0	29.0	1.0	.0	.0	.0	.0	30.0
SSE	.0	22.0	12.0	.0	.0	.0	.0	34.0
S	.0	44.0	69.0	7.0	.0	.0	.0	120.0
SSW	.0	27.0	30.0	2.0	.0	.0	.0	59.0
SW	.0	7.0	8.0	.0	.0	.0	.0	15.0
WSW	.0	11.0	10.0	.0	.0	.0	.0	21.0
W	.0	1.0	7.0	.0	.0	.0	.0	8.0
WNW	.0	4.0	6.0	.0	.0	.0	.0	10.0
NW	.0	4.0	2.0	.0	.0	.0	.0	6.0
NNW	.0	10.0	8.0	.0	.0	.0	.0	18.0
TOTAL	.0	302.0	483.0	74.0	2.0	.0	.0	861.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	16.0	10.0	.0	.0	.0	.0	26.0
NNE	.0	57.0	121.0	.0	.0	.0	.0	178.0
NE	.0	49.0	38.0	.0	.0	.0	.0	87.0
ENE	.0	31.0	2.0	.0	.0	.0	.0	33.0
E	.0	19.0	2.0	.0	.0	.0	.0	21.0
ESE	.0	25.0	1.0	.0	.0	.0	.0	26.0
SE	.0	26.0	1.0	.0	.0	.0	.0	27.0
SSE	.0	32.0	4.0	.0	.0	.0	.0	36.0
S	.0	70.0	64.0	7.0	.0	.0	.0	141.0
SSW	.0	44.0	20.0	.0	.0	.0	.0	64.0
SW	.0	34.0	.0	.0	.0	.0	.0	34.0
WSW	.0	15.0	6.0	.0	.0	.0	.0	21.0
W	.0	7.0	2.0	.0	.0	.0	.0	9.0
WNW	.0	6.0	2.0	.0	.0	.0	.0	8.0
NW	.0	8.0	2.0	.0	.0	.0	.0	10.0
NNW	.0	4.0	5.0	.0	.0	.0	.0	9.0
TOTAL	.0	443.0	280.0	7.0	.0	.0	.0	730.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	24.0	.0	.0	.0	.0	.0	24.0
NNE	.0	30.0	18.0	.0	.0	.0	.0	48.0
NE	.0	10.0	4.0	.0	.0	.0	.0	14.0
ENE	.0	9.0	.0	.0	.0	.0	.0	9.0
E	.0	2.0	.0	.0	.0	.0	.0	2.0
ESE	.0	3.0	.0	.0	.0	.0	.0	3.0
SE	.0	4.0	.0	.0	.0	.0	.0	4.0
SSE	.0	4.0	.0	.0	.0	.0	.0	4.0
S	.0	16.0	.0	.0	.0	.0	.0	16.0
SSW	.0	3.0	.0	.0	.0	.0	.0	3.0
SW	.0	5.0	.0	.0	.0	.0	.0	5.0
WSW	.0	4.0	.0	.0	.0	.0	.0	4.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	2.0	.0	.0	.0	.0	.0	2.0
NW	.0	1.0	.0	.0	.0	.0	.0	1.0
NNW	.0	1.0	.0	.0	.0	.0	.0	1.0
TOTAL	.0	118.0	22.0	.0	.0	.0	.0	140.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	1.0	.0	.0	.0	.0	.0	1.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0	1.0	.0	.0	.0	.0	.0	1.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	73.0	216.0	20.0	.0	.0	.0	309.0
NNE	.0	121.0	368.0	64.0	2.0	.0	.0	555.0
NE	.0	90.0	70.0	2.0	.0	.0	.0	162.0
ENE	.0	66.0	10.0	.0	.0	.0	.0	76.0
E	.0	41.0	7.0	.0	.0	.0	.0	48.0
ESE	.0	44.0	3.0	.0	.0	.0	.0	47.0
SE	.0	62.0	2.0	.0	.0	.0	.0	64.0
SSE	.0	64.0	40.0	.0	.0	.0	.0	104.0
S	.0	146.0	229.0	18.0	.0	.0	.0	393.0
SSW	.0	79.0	80.0	4.0	.0	.0	.0	163.0
SW	.0	53.0	15.0	.0	.0	.0	.0	68.0
WSW	.0	36.0	36.0	.0	.0	.0	.0	72.0
W	.0	12.0	25.0	.0	.0	.0	.0	37.0
WNW	.0	14.0	14.0	.0	.0	.0	.0	28.0
NW	.0	16.0	12.0	.0	.0	.0	.0	28.0
NNW	.0	22.0	30.0	.0	.0	.0	.0	52.0
TOTAL	.0	939.0	1157.0	108.0	2.0	.0	.0	2206.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	3.0	33.0	10.0	.0	.0	46.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	2.0	.0	.0	.0	2.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	30.0	15.0	.0	.0	.0	45.0
S	.0	.0	9.0	8.0	.0	.0	.0	17.0
SSW	.0	.0	2.0	5.0	.0	.0	.0	7.0
SW	.0	.0	.0	4.0	2.0	.0	.0	6.0
WSW	.0	.0	1.0	.0	1.0	.0	.0	2.0
W	.0	.0	.0	2.0	2.0	.0	.0	4.0
WNW	.0	.0	.0	7.0	8.0	.0	.0	15.0
NW	.0	1.0	3.0	6.0	7.0	1.0	.0	18.0
NNW	.0	.0	.0	8.0	6.0	.0	.0	14.0
TOTAL	.0	1.0	48.0	90.0	36.0	1.0	.0	176.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	10.0	19.0	10.0	.0	.0	39.0
NNE	.0	.0	4.0	10.0	.0	.0	.0	14.0
NE	.0	.0	1.0	.0	.0	.0	.0	1.0
ENE	.0	.0	2.0	.0	.0	.0	.0	2.0
E	.0	.0	.0	2.0	.0	.0	.0	2.0
ESE	.0	.0	2.0	1.0	.0	.0	.0	3.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	9.0	4.0	.0	.0	.0	13.0
S	.0	1.0	24.0	2.0	.0	.0	.0	27.0
SSW	.0	.0	5.0	1.0	.0	.0	.0	6.0
SW	.0	.0	3.0	1.0	1.0	.0	.0	5.0
WSW	.0	1.0	5.0	.0	.0	.0	.0	6.0
W	.0	.0	2.0	1.0	2.0	.0	.0	5.0
WNW	.0	.0	.0	3.0	6.0	.0	.0	9.0
NW	.0	.0	2.0	1.0	3.0	.0	.0	6.0
NNW	.0	.0	7.0	5.0	1.0	.0	.0	13.0
TOTAL	.0	2.0	76.0	50.0	23.0	.0	.0	151.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	2.0	6.0	10.0	5.0	1.0	.0	24.0
NNE	.0	1.0	8.0	3.0	.0	.0	.0	12.0
NE	.0	.0	1.0	1.0	.0	.0	.0	2.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	2.0	1.0	1.0	.0	.0	.0	4.0
ESE	.0	.0	1.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	2.0	8.0	3.0	.0	.0	.0	13.0
S	.0	2.0	24.0	6.0	1.0	.0	.0	33.0
SSW	.0	.0	5.0	6.0	1.0	.0	.0	12.0
SW	.0	3.0	2.0	1.0	.0	.0	.0	6.0
WSW	.0	.0	2.0	1.0	1.0	.0	.0	4.0
W	.0	3.0	1.0	3.0	2.0	.0	.0	9.0
WNW	.0	.0	2.0	1.0	2.0	.0	.0	5.0
NW	.0	2.0	3.0	3.0	3.0	.0	.0	11.0
NNW	.0	1.0	9.0	1.0	.0	.0	.0	11.0
TOTAL	.0	18.0	73.0	40.0	15.0	1.0	.0	147.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	2.0	28.0	45.0	39.0	12.0	1.0	127.0
NNE	.0	8.0	85.0	89.0	19.0	.0	.0	201.0
NE	.0	13.0	53.0	7.0	2.0	.0	.0	75.0
ENE	.0	7.0	23.0	1.0	.0	.0	.0	31.0
E	.0	6.0	15.0	7.0	.0	.0	.0	28.0
ESE	.0	8.0	13.0	2.0	.0	.0	.0	23.0
SE	.0	7.0	14.0	3.0	1.0	.0	.0	25.0
SSE	.0	11.0	34.0	27.0	1.0	.0	.0	73.0
S	.0	12.0	25.0	22.0	6.0	.0	.0	65.0
SSW	.0	12.0	27.0	17.0	2.0	.0	.0	58.0
SW	.0	1.0	11.0	8.0	6.0	.0	.0	26.0
WSW	.0	1.0	2.0	4.0	4.0	.0	.0	11.0
W	.0	1.0	3.0	4.0	4.0	.0	.0	12.0
WNW	.0	3.0	3.0	6.0	9.0	.0	.0	21.0
NW	.0	2.0	5.0	10.0	12.0	2.0	.0	31.0
NNW	.0	2.0	8.0	22.0	19.0	3.0	.0	54.0
TOTAL	.0	96.0	349.0	274.0	124.0	17.0	1.0	861.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	2.0	20.0	17.0	2.0	.0	.0	41.0
NNE	.0	8.0	135.0	55.0	1.0	.0	.0	199.0
NE	.0	9.0	13.0	3.0	.0	.0	.0	25.0
ENE	.0	2.0	5.0	1.0	.0	.0	.0	8.0
E	.0	3.0	8.0	2.0	.0	.0	.0	13.0
ESE	.0	2.0	6.0	4.0	1.0	.0	.0	13.0
SE	.0	8.0	10.0	3.0	2.0	.0	.0	23.0
SSE	.0	15.0	26.0	10.0	.0	.0	.0	51.0
S	.0	7.0	27.0	32.0	9.0	.0	.0	75.0
SSW	.0	12.0	63.0	44.0	1.0	.0	.0	120.0
SW	.0	7.0	24.0	9.0	.0	.0	.0	40.0
WSW	.0	8.0	13.0	7.0	.0	.0	.0	28.0
W	.0	4.0	4.0	6.0	1.0	.0	.0	15.0
WNW	.0	9.0	3.0	18.0	3.0	.0	.0	33.0
NW	.0	4.0	6.0	12.0	4.0	.0	.0	26.0
NNW	.0	6.0	6.0	7.0	1.0	.0	.0	20.0
TOTAL	.0	106.0	369.0	230.0	25.0	.0	.0	730.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	7.0	3.0	1.0	.0	.0	.0	11.0
NNE	.0	4.0	37.0	3.0	.0	.0	.0	44.0
NE	.0	2.0	3.0	.0	.0	.0	.0	5.0
ENE	.0	1.0	.0	.0	.0	.0	.0	1.0
E	.0	2.0	.0	.0	.0	.0	.0	2.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.0	.0	.0	.0	.0	.0	1.0
SSE	.0	4.0	3.0	1.0	.0	.0	.0	8.0
S	.0	3.0	5.0	4.0	.0	.0	.0	12.0
SSW	.0	6.0	3.0	9.0	.0	.0	.0	18.0
SW	.0	7.0	2.0	2.0	.0	.0	.0	11.0
WSW	.0	2.0	1.0	.0	.0	.0	.0	3.0
W	.0	4.0	3.0	.0	.0	.0	.0	7.0
WNW	.0	3.0	.0	1.0	.0	.0	.0	4.0
NW	.0	6.0	.0	.0	.0	.0	.0	6.0
NNW	.0	5.0	1.0	1.0	.0	.0	.0	7.0
TOTAL	.0	57.0	61.0	22.0	.0	.0	.0	140.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	1.0	.0	.0	.0	.0	1.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0	.0	1.0	.0	.0	.0	.0	1.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	13.0	70.0	125.0	66.0	13.0	1.0	288.0
NNE	.0	21.0	269.0	160.0	20.0	.0	.0	470.0
NE	.0	24.0	72.0	11.0	2.0	.0	.0	109.0
ENE	.0	10.0	30.0	2.0	.0	.0	.0	42.0
E	.0	13.0	24.0	12.0	.0	.0	.0	49.0
ESE	.0	10.0	22.0	9.0	1.0	.0	.0	42.0
SE	.0	16.0	24.0	6.0	3.0	.0	.0	49.0
SSE	.0	32.0	110.0	60.0	1.0	.0	.0	203.0
S	.0	25.0	114.0	74.0	16.0	.0	.0	229.0
SSW	.0	30.0	105.0	82.0	4.0	.0	.0	221.0
SW	.0	18.0	42.0	25.0	9.0	.0	.0	94.0
WSW	.0	12.0	24.0	12.0	6.0	.0	.0	54.0
W	.0	12.0	13.0	16.0	11.0	.0	.0	52.0
WNW	.0	15.0	8.0	36.0	28.0	.0	.0	87.0
NW	.0	15.0	19.0	32.0	29.0	3.0	.0	98.0
NNW	.0	14.0	31.0	44.0	27.0	3.0	.0	119.0
TOTAL	.0	280.0	977.0	706.0	223.0	19.0	1.0	2206.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	2.0	.0	.0	.0	2.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	1.0	.0	.0	.0	1.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	1.0	1.0	.0	.0	2.0
TOTAL	.0	.0	.0	4.0	1.0	.0	.0	5.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 148
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2060

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	1.0	6.0	.0	.0	7.0
NNE	.0	.0	1.0	.0	2.0	.0	.0	3.0
NE	.0	.0	.0	2.0	.0	.0	.0	2.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	1.0	.0	.0	.0	1.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	2.0	8.0	.0	.0	.0	10.0
SSE	.0	.0	.0	1.0	.0	.0	.0	1.0
S	.0	.0	.0	1.0	.0	.0	.0	1.0
SSW	.0	.0	.0	1.0	4.0	.0	.0	5.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	7.0	.0	.0	7.0
WNW	.0	.0	.0	2.0	1.0	.0	.0	3.0
NW	.0	.0	1.0	1.0	1.0	.0	.0	3.0
NNW	.0	.0	.0	3.0	8.0	.0	.0	11.0
TOTAL	.0	.0	4.0	21.0	29.0	.0	.0	54.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 148
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2060

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	6.0	18.0	7.0	.0	.0	31.0
NNE	.0	.0	2.0	1.0	1.0	.0	.0	4.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	1.0	.0	.0	.0	1.0
E	.0	.0	.0	3.0	.0	.0	.0	3.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	7.0	3.0	1.0	.0	.0	11.0
SSE	.0	.0	11.0	6.0	.0	.0	.0	17.0
S	.0	.0	2.0	2.0	.0	.0	.0	4.0
SSW	.0	.0	1.0	.0	3.0	.0	.0	4.0
SW	.0	.0	2.0	1.0	1.0	.0	.0	4.0
WSW	.0	.0	1.0	.0	.0	.0	.0	1.0
W	.0	.0	.0	4.0	9.0	2.0	.0	15.0
WNW	.0	.0	4.0	.0	2.0	.0	.0	6.0
NW	.0	.0	.0	4.0	4.0	.0	.0	8.0
NNW	.0	.0	2.0	20.0	3.0	3.0	.0	28.0
TOTAL	.0	.0	38.0	63.0	31.0	5.0	.0	137.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00

TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 148

VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2060

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	7.0	55.0	83.0	85.0	22.0	1.0	253.0
NNE	.0	2.0	40.0	40.0	11.0	1.0	.0	94.0
NE	.0	10.0	22.0	13.0	2.0	.0	.0	47.0
ENE	.0	9.0	18.0	5.0	1.0	.0	.0	33.0
E	.0	5.0	18.0	16.0	4.0	.0	.0	43.0
ESE	.0	5.0	19.0	16.0	3.0	.0	.0	43.0
SE	.0	12.0	31.0	22.0	13.0	2.0	.0	80.0
SSE	.0	22.0	87.0	43.0	18.0	2.0	.0	172.0
S	.0	11.0	37.0	38.0	12.0	1.0	.0	99.0
SSW	.0	7.0	22.0	15.0	13.0	.0	.0	57.0
SW	.0	3.0	12.0	8.0	7.0	1.0	.0	31.0
WSW	.0	2.0	4.0	2.0	7.0	2.0	.0	17.0
W	.0	2.0	2.0	9.0	15.0	3.0	.0	31.0
WNW	.0	5.0	9.0	18.0	14.0	4.0	.0	50.0
NW	.0	4.0	11.0	15.0	21.0	3.0	.0	54.0
NNW	.0	6.0	19.0	22.0	27.0	3.0	4.0	81.0
TOTAL	.0	112.0	406.0	365.0	253.0	44.0	5.0	1185.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 148
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2060

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	12.0	17.0	21.0	3.0	.0	.0	53.0
NNE	.0	6.0	26.0	10.0	1.0	.0	.0	43.0
NE	.0	7.0	5.0	2.0	.0	.0	.0	14.0
ENE	.0	5.0	3.0	3.0	1.0	.0	.0	12.0
E	.0	6.0	3.0	3.0	.0	.0	.0	12.0
ESE	.0	2.0	6.0	7.0	2.0	1.0	.0	18.0
SE	.0	10.0	17.0	11.0	.0	.0	.0	38.0
SSE	.0	8.0	39.0	16.0	5.0	1.0	.0	69.0
S	.0	11.0	42.0	44.0	9.0	.0	.0	106.0
SSW	.0	12.0	23.0	27.0	10.0	.0	.0	72.0
SW	.0	12.0	11.0	9.0	.0	.0	.0	32.0
WSW	.0	3.0	12.0	4.0	1.0	.0	.0	20.0
W	.0	6.0	3.0	4.0	4.0	.0	.0	17.0
WNW	.0	1.0	3.0	5.0	5.0	.0	.0	14.0
NW	.0	1.0	10.0	4.0	3.0	.0	.0	18.0
NNW	.0	6.0	17.0	24.0	2.0	.0	.0	49.0
TOTAL	.0	108.0	237.0	194.0	46.0	2.0	.0	587.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 148
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2060

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	7.0	8.0	.0	.0	.0	.0	15.0
NNE	.0	2.0	2.0	.0	.0	.0	.0	4.0
NE	.0	2.0	1.0	.0	.0	.0	.0	3.0
ENE	.0	1.0	.0	.0	.0	.0	.0	1.0
E	.0	3.0	1.0	.0	.0	.0	.0	4.0
ESE	.0	4.0	.0	.0	.0	.0	.0	4.0
SE	.0	4.0	.0	.0	.0	.0	.0	4.0
SSE	.0	3.0	4.0	1.0	.0	.0	.0	8.0
S	.0	5.0	3.0	1.0	.0	.0	.0	9.0
SSW	.0	5.0	1.0	.0	.0	.0	.0	6.0
SW	.0	4.0	2.0	.0	.0	.0	.0	6.0
WSW	.0	4.0	3.0	.0	.0	.0	.0	7.0
W	.0	1.0	2.0	1.0	.0	.0	.0	4.0
WNW	.0	1.0	1.0	.0	.0	.0	.0	2.0
NW	.0	2.0	2.0	1.0	.0	.0	.0	5.0
NNW	.0	5.0	4.0	1.0	.0	.0	.0	10.0
TOTAL	.0	53.0	34.0	5.0	.0	.0	.0	92.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 148
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2060

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0	.0	.0	.0	.0	.0	.0	.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 148
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2060

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/ 7/ 1/ 0] TO [2000/ 9/30/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	26.0	86.0	123.0	101.0	22.0	1.0	359.0
NNE	.0	10.0	71.0	51.0	15.0	1.0	.0	148.0
NE	.0	19.0	28.0	17.0	2.0	.0	.0	66.0
ENE	.0	15.0	21.0	9.0	2.0	.0	.0	47.0
E	.0	14.0	22.0	23.0	4.0	.0	.0	63.0
ESE	.0	11.0	25.0	23.0	5.0	1.0	.0	65.0
SE	.0	26.0	57.0	46.0	14.0	2.0	.0	145.0
SSE	.0	33.0	141.0	67.0	23.0	3.0	.0	267.0
S	.0	27.0	84.0	86.0	21.0	1.0	.0	219.0
SSW	.0	24.0	47.0	43.0	30.0	.0	.0	144.0
SW	.0	19.0	27.0	18.0	8.0	1.0	.0	73.0
WSW	.0	9.0	20.0	6.0	8.0	2.0	.0	45.0
W	.0	9.0	7.0	19.0	35.0	5.0	.0	75.0
WNW	.0	7.0	17.0	25.0	22.0	4.0	.0	75.0
NW	.0	7.0	24.0	25.0	29.0	3.0	.0	88.0
NNW	.0	17.0	42.0	71.0	41.0	6.0	4.0	181.0
TOTAL	.0	273.0	719.0	652.0	360.0	51.0	5.0	2060.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 148
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2060

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	1.0	7.0	13.0	3.0	.0	.0	24.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	1.0	.0	.0	.0	.0	1.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	6.0	.0	.0	.0	.0	6.0
S	.0	.0	7.0	.0	.0	.0	.0	7.0
SSW	.0	.0	1.0	.0	.0	.0	.0	1.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	1.0	.0	.0	.0	.0	1.0
W	.0	.0	5.0	1.0	.0	.0	.0	6.0
WNW	.0	.0	15.0	2.0	.0	.0	.0	17.0
NW	.0	1.0	7.0	4.0	.0	.0	.0	12.0
NNW	.0	.0	8.0	.0	.0	.0	.0	8.0
TOTAL	.0	2.0	58.0	20.0	3.0	.0	.0	83.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 76
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2132

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	18.0	9.0	4.0	.0	.0	31.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	2.0	2.0	.0	.0	.0	.0	4.0
S	.0	.0	8.0	.0	.0	.0	.0	8.0
SSW	.0	.0	3.0	.0	.0	.0	.0	3.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	1.0	.0	.0	.0	.0	1.0
W	.0	.0	3.0	2.0	.0	.0	.0	5.0
WNW	.0	.0	16.0	2.0	.0	.0	.0	18.0
NW	.0	.0	9.0	5.0	.0	.0	.0	14.0
NNW	.0	.0	4.0	2.0	.0	.0	.0	6.0
TOTAL	.0	2.0	64.0	20.0	4.0	.0	.0	90.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 76
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2132

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	11.0	8.0	2.0	.0	.0	21.0
NNE	.0	.0	5.0	1.0	.0	.0	.0	6.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	1.0	.0	.0	.0	.0	.0	1.0
SSE	.0	1.0	1.0	.0	.0	.0	.0	2.0
S	.0	1.0	15.0	.0	.0	.0	.0	16.0
SSW	.0	.0	6.0	.0	.0	.0	.0	6.0
SW	.0	1.0	1.0	1.0	.0	.0	.0	3.0
WSW	.0	1.0	1.0	.0	.0	.0	.0	2.0
W	.0	.0	3.0	1.0	.0	.0	.0	4.0
WNW	.0	.0	9.0	5.0	.0	.0	.0	14.0
NW	.0	.0	9.0	7.0	.0	.0	.0	16.0
NNW	.0	.0	4.0	2.0	.0	.0	.0	6.0
TOTAL	.0	5.0	65.0	25.0	2.0	.0	.0	97.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 76
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2132

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	27.0	107.0	77.0	2.0	.0	.0	213.0
NNE	.0	33.0	98.0	44.0	2.0	.0	.0	177.0
NE	.0	28.0	28.0	.0	.0	.0	.0	56.0
ENE	.0	15.0	9.0	.0	.0	.0	.0	24.0
E	.0	14.0	1.0	.0	.0	.0	.0	15.0
ESE	.0	3.0	.0	.0	.0	.0	.0	3.0
SE	.0	8.0	1.0	.0	.0	.0	.0	9.0
SSE	.0	18.0	5.0	.0	.0	.0	.0	23.0
S	.0	21.0	31.0	8.0	.0	.0	.0	60.0
SSW	.0	19.0	19.0	.0	.0	.0	.0	38.0
SW	.0	18.0	13.0	2.0	.0	.0	.0	33.0
WSW	.0	11.0	16.0	2.0	.0	.0	.0	29.0
W	.0	3.0	74.0	5.0	2.0	.0	.0	84.0
WNW	.0	10.0	118.0	55.0	4.0	.0	.0	187.0
NW	.0	7.0	92.0	33.0	1.0	.0	.0	133.0
NNW	.0	11.0	104.0	12.0	.0	.0	.0	127.0
TOTAL	.0	246.0	716.0	238.0	11.0	.0	.0	1211.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 76
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2132

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	12.0	24.0	5.0	.0	.0	.0	41.0
NNE	.0	42.0	39.0	2.0	.0	.0	.0	83.0
NE	.0	33.0	27.0	.0	.0	.0	.0	60.0
ENE	.0	25.0	4.0	.0	.0	.0	.0	29.0
E	.0	15.0	1.0	.0	.0	.0	.0	16.0
ESE	.0	11.0	.0	.0	.0	.0	.0	11.0
SE	.0	19.0	.0	.0	.0	.0	.0	19.0
SSE	.0	25.0	3.0	3.0	2.0	.0	.0	33.0
S	.0	33.0	16.0	8.0	1.0	.0	.0	58.0
SSW	.0	20.0	8.0	1.0	1.0	.0	.0	30.0
SW	.0	12.0	1.0	.0	1.0	.0	.0	14.0
WSW	.0	4.0	2.0	.0	.0	.0	.0	6.0
W	.0	6.0	6.0	.0	1.0	.0	.0	13.0
WNW	.0	3.0	9.0	.0	.0	.0	.0	12.0
NW	.0	6.0	5.0	.0	.0	.0	.0	11.0
NNW	.0	8.0	1.0	1.0	.0	.0	.0	10.0
TOTAL	.0	274.0	146.0	20.0	6.0	.0	.0	446.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 76
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2132

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	11.0	.0	.0	.0	.0	.0	11.0
NNE	.0	58.0	24.0	.0	.0	.0	.0	82.0
NE	.0	15.0	21.0	.0	.0	.0	.0	36.0
ENE	.0	7.0	.0	.0	.0	.0	.0	7.0
E	.0	3.0	.0	.0	.0	.0	.0	3.0
ESE	.0	1.0	.0	.0	.0	.0	.0	1.0
SE	.0	3.0	.0	.0	.0	.0	.0	3.0
SSE	.0	6.0	.0	.0	.0	.0	.0	6.0
S	.0	5.0	1.0	.0	.0	.0	.0	6.0
SSW	.0	4.0	.0	.0	.0	.0	.0	4.0
SW	.0	3.0	.0	.0	.0	.0	.0	3.0
WSW	.0	1.0	.0	.0	.0	.0	.0	1.0
W	.0	1.0	.0	.0	.0	.0	.0	1.0
WNW	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	3.0	.0	.0	.0	.0	.0	3.0
NNW	.0	1.0	.0	.0	.0	.0	.0	1.0
TOTAL	.0	122.0	46.0	.0	.0	.0	.0	168.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 76
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2132

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	6.0	.0	.0	.0	.0	.0	6.0
NNE	.0	12.0	3.0	.0	.0	.0	.0	15.0
NE	.0	3.0	1.0	.0	.0	.0	.0	4.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.0	.0	.0	.0	.0	.0	1.0
ESE	.0	1.0	.0	.0	.0	.0	.0	1.0
SE	.0	1.0	.0	.0	.0	.0	.0	1.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.0	.0	.0	.0	.0	.0	1.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	2.0	.0	.0	.0	.0	.0	2.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0
WNW	.0	2.0	.0	.0	.0	.0	.0	2.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	4.0	.0	.0	.0	.0	.0	4.0
TOTAL	.0	33.0	4.0	.0	.0	.0	.0	37.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	10.00
TEMPERATURE SENSOR SEPARATION (METERS)	50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	76
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2132

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	57.0	167.0	112.0	11.0	.0	.0	347.0
NNE	.0	145.0	169.0	47.0	2.0	.0	.0	363.0
NE	.0	79.0	78.0	.0	.0	.0	.0	157.0
ENE	.0	47.0	13.0	.0	.0	.0	.0	60.0
E	.0	33.0	2.0	.0	.0	.0	.0	35.0
ESE	.0	16.0	.0	.0	.0	.0	.0	16.0
SE	.0	32.0	1.0	.0	.0	.0	.0	33.0
SSE	.0	52.0	17.0	3.0	2.0	.0	.0	74.0
S	.0	61.0	78.0	16.0	1.0	.0	.0	156.0
SSW	.0	43.0	37.0	1.0	1.0	.0	.0	82.0
SW	.0	36.0	15.0	3.0	1.0	.0	.0	55.0
WSW	.0	17.0	21.0	2.0	.0	.0	.0	40.0
W	.0	10.0	91.0	9.0	3.0	.0	.0	113.0
WNW	.0	15.0	167.0	64.0	4.0	.0	.0	250.0
NW	.0	17.0	122.0	49.0	1.0	.0	.0	189.0
NNW	.0	24.0	121.0	17.0	.0	.0	.0	162.0
TOTAL	.0	684.0	1099.0	323.0	26.0	.0	.0	2132.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 76
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2132

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	1.0	1.0	9.0	5.0	5.0	21.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	1.0	.0	.0	.0	.0	1.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	8.0	4.0	.0	.0	.0	12.0
S	.0	.0	1.0	1.0	.0	.0	.0	2.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	3.0	1.0	.0	.0	4.0
WNW	.0	.0	.0	6.0	11.0	2.0	.0	19.0
NW	.0	.0	.0	7.0	9.0	3.0	.0	19.0
NNW	.0	.0	.0	2.0	6.0	.0	.0	8.0
TOTAL	.0	.0	11.0	24.0	36.0	10.0	5.0	86.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	1.0	11.0	7.0	4.0	7.0	30.0
NNE	.0	.0	.0	1.0	.0	.0	.0	1.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	7.0	.0	.0	.0	.0	7.0
S	.0	.0	2.0	3.0	.0	.0	.0	5.0
SSW	.0	.0	1.0	1.0	.0	.0	.0	2.0
SW	.0	.0	.0	1.0	.0	.0	.0	1.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	1.0	1.0	3.0	.0	.0	5.0
WNW	.0	.0	.0	8.0	10.0	1.0	.0	19.0
NW	.0	.0	1.0	4.0	5.0	5.0	.0	15.0
NNW	.0	.0	.0	2.0	2.0	3.0	.0	7.0
TOTAL	.0	.0	13.0	32.0	27.0	13.0	7.0	92.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	2.0	14.0	3.0	1.0	5.0	25.0
NNE	.0	.0	.0	2.0	.0	.0	.0	2.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	7.0	1.0	.0	.0	.0	8.0
S	.0	.0	8.0	3.0	.0	.0	.0	11.0
SSW	.0	.0	4.0	2.0	.0	.0	.0	6.0
SW	.0	1.0	.0	.0	1.0	.0	.0	2.0
WSW	.0	.0	1.0	.0	.0	.0	.0	1.0
W	.0	.0	.0	.0	3.0	.0	.0	3.0
WNW	.0	.0	.0	4.0	9.0	4.0	.0	17.0
NW	.0	.0	.0	2.0	11.0	4.0	1.0	18.0
NNW	.0	.0	.0	1.0	1.0	2.0	.0	4.0
TOTAL	.0	1.0	22.0	29.0	28.0	11.0	6.0	97.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.1	7.0	28.0	74.0	93.0	56.0	8.0	266.1
NNE	.3	14.0	56.0	30.0	5.0	.0	.0	105.3
NE	.3	12.0	38.0	14.0	.0	.0	.0	64.3
ENE	.2	8.0	18.0	1.0	.0	.0	.0	27.2
E	.1	4.0	13.0	3.0	.0	.0	.0	20.1
ESE	.0	1.0	9.0	1.0	.0	.0	.0	11.0
SE	.1	7.0	7.0	1.0	.0	.0	.0	15.1
SSE	.1	6.0	25.0	5.0	.0	.0	.0	36.1
S	.1	7.0	21.0	7.0	1.0	.0	.0	36.1
SSW	.2	10.0	17.0	19.0	7.0	.0	.0	53.2
SW	.1	7.0	11.0	4.0	3.0	.0	.0	25.1
WSW	.1	3.0	8.0	19.0	11.0	3.0	1.0	45.1
W	.1	3.0	8.0	37.0	24.0	4.0	2.0	78.1
WNW	.1	3.0	8.0	51.0	86.0	32.0	6.0	186.1
NW	.0	1.0	6.0	45.0	77.0	27.0	10.0	166.0
NNW	.0	1.0	14.0	41.0	64.0	15.0	2.0	137.0
TOTAL	2.0	94.0	287.0	352.0	371.0	137.0	29.0	1272.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	7.0	20.0	18.0	5.0	2.0	.0	52.0
NNE	.0	13.0	60.0	15.0	2.0	.0	.0	90.0
NE	.0	12.0	16.0	1.0	.0	.0	.0	29.0
ENE	.0	4.0	6.0	.0	.0	.0	.0	10.0
E	.0	4.0	6.0	2.0	.0	.0	.0	12.0
ESE	.0	4.0	3.0	.0	.0	.0	.0	7.0
SE	.0	4.0	12.0	1.0	.0	.0	.0	17.0
SSE	.0	6.0	19.0	3.0	1.0	3.0	1.0	33.0
S	.0	7.0	16.0	2.0	2.0	4.0	2.0	33.0
SSW	.0	3.0	19.0	10.0	1.0	3.0	.0	36.0
SW	.0	8.0	18.0	6.0	2.0	.0	.0	34.0
WSW	.0	8.0	6.0	4.0	.0	.0	2.0	20.0
W	.0	3.0	5.0	6.0	.0	.0	.0	14.0
WNW	.0	3.0	6.0	7.0	6.0	.0	.0	22.0
NW	.0	4.0	1.0	10.0	5.0	3.0	.0	23.0
NNW	.0	4.0	3.0	8.0	6.0	1.0	.0	22.0
TOTAL	.0	94.0	216.0	93.0	30.0	16.0	5.0	454.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	7.0	7.0	3.0	1.0	.0	.0	18.0
NNE	.0	8.0	48.0	17.0	.0	.0	.0	73.0
NE	.0	9.0	5.0	.0	.0	.0	.0	14.0
ENE	.0	1.0	.0	.0	.0	.0	.0	1.0
E	.0	1.0	.0	.0	.0	.0	.0	1.0
ESE	.0	2.0	.0	.0	.0	.0	.0	2.0
SE	.0	4.0	.0	.0	.0	.0	.0	4.0
SSE	.0	1.0	4.0	.0	.0	.0	.0	5.0
S	.0	4.0	3.0	.0	.0	.0	.0	7.0
SSW	.0	5.0	8.0	4.0	.0	.0	.0	17.0
SW	.0	2.0	1.0	2.0	.0	.0	.0	5.0
WSW	.0	3.0	2.0	.0	.0	.0	.0	5.0
W	.0	4.0	.0	.0	.0	.0	.0	4.0
WNW	.0	4.0	.0	.0	.0	.0	.0	4.0
NW	.0	4.0	.0	1.0	.0	.0	.0	5.0
NNW	.0	2.0	.0	.0	1.0	.0	.0	3.0
TOTAL	.0	61.0	78.0	27.0	2.0	.0	.0	168.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	2.0	.0	1.0	.0	.0	.0	3.0
NNE	.0	3.0	5.0	1.0	.0	.0	.0	9.0
NE	.0	1.0	1.0	.0	.0	.0	.0	2.0
ENE	.0	.0	1.0	.0	.0	.0	.0	1.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	1.0	1.0	.0	.0	.0	.0	2.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	2.0	.0	.0	.0	.0	2.0
SSW	.0	1.0	1.0	1.0	.0	.0	.0	3.0
SW	.0	1.0	3.0	.0	.0	.0	.0	4.0
WSW	.0	1.0	2.0	1.0	.0	.0	.0	4.0
W	.0	1.0	2.0	.0	.0	.0	.0	3.0
WNW	.0	2.0	.0	.0	.0	.0	.0	2.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	1.0	1.0	.0	.0	.0	.0	2.0
TOTAL	.0	14.0	19.0	4.0	.0	.0	.0	37.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 60.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.1	23.0	59.0	122.0	118.0	68.0	25.0	415.1
NNE	.3	38.0	169.0	66.0	7.0	.0	.0	280.3
NE	.3	34.0	60.0	15.0	.0	.0	.0	109.3
ENE	.2	13.0	26.0	1.0	.0	.0	.0	40.2
E	.1	9.0	19.0	5.0	.0	.0	.0	33.1
ESE	.0	8.0	13.0	1.0	.0	.0	.0	22.0
SE	.1	15.0	19.0	2.0	.0	.0	.0	36.1
SSE	.1	13.0	70.0	13.0	1.0	3.0	1.0	101.1
S	.1	18.0	53.0	16.0	3.0	4.0	2.0	96.1
SSW	.2	19.0	50.0	37.0	8.0	3.0	.0	117.2
SW	.1	19.0	33.0	13.0	6.0	.0	.0	71.1
WSW	.1	15.0	19.0	24.0	11.0	3.0	3.0	75.1
W	.1	11.0	16.0	47.0	31.0	4.0	2.0	111.1
WNW	.1	12.0	14.0	76.0	122.0	39.0	6.0	269.1
NW	.0	9.0	8.0	69.0	107.0	42.0	11.0	246.0
NNW	.0	8.0	18.0	54.0	80.0	21.0	2.0	183.0
TOTAL	2.0	264.0	646.0	561.0	494.0	187.0	52.0	2206.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 60.00
 TEMPERATURE SENSOR SEPARATION (METERS) 50.90

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 2
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2206

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	1.0	.0	.0	.0	.0	1.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	3.0	.0	.0	3.0
WNW	.0	.0	.0	.0	2.0	.0	.0	2.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	1.0	.0	.0	.0	.0	.0	1.0
TOTAL	.0	1.0	1.0	.0	5.0	.0	.0	7.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 123
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2085

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	.0	.0	.0	.0	.0
NNE	.0	.0	1.0	.0	.0	.0	.0	1.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	2.0	.0	.0	.0	2.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	1.0	.0	.0	1.0
WSW	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	1.0	.0	.0	1.0
WNW	.0	.0	.0	.0	2.0	.0	.0	2.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	.0	.0	1.0	.0	.0	1.0
TOTAL	.0	.0	1.0	2.0	5.0	.0	.0	8.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 123
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2085

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	.0	.0	1.0	1.0	.0	.0	2.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	2.0	3.0	.0	.0	.0	5.0
SSE	.0	.0	.0	1.0	.0	.0	.0	1.0
S	.0	.0	.0	.0	.0	.0	.0	.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	1.0	.0	.0	1.0
WSW	.0	.0	.0	3.0	4.0	3.0	.0	10.0
W	.0	.0	.0	7.0	12.0	2.0	1.0	22.0
WNW	.0	.0	.0	4.0	1.0	4.0	.0	9.0
NW	.0	.0	.0	1.0	.0	1.0	.0	2.0
NNW	.0	.0	.0	1.0	9.0	2.0	7.0	19.0
TOTAL	.0	.0	2.0	21.0	28.0	12.0	8.0	71.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 123
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2085

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.5	14.0	40.0	39.0	6.0	1.0	.0	100.5
NNE	.3	9.0	34.0	14.0	3.0	.0	.0	60.3
NE	.3	8.0	12.0	9.0	1.0	.0	.0	30.3
ENE	.1	4.0	19.0	6.0	3.0	.0	.0	32.1
E	.0	1.0	4.0	8.0	1.0	.0	.0	14.0
ESE	.3	8.0	10.0	9.0	.0	.0	.0	27.3
SE	.3	8.0	22.0	16.0	2.0	.0	.0	48.3
SSE	.3	9.0	24.0	10.0	5.0	.0	.0	48.3
S	.2	7.0	13.0	25.0	12.0	5.0	3.0	65.2
SSW	.1	2.0	8.0	10.0	8.0	1.0	.0	29.1
SW	.1	2.0	5.0	25.0	25.0	4.0	5.0	66.1
WSW	.0	1.0	3.0	29.0	48.0	14.0	4.0	99.0
W	.0	1.0	8.0	40.0	105.0	65.0	18.0	237.0
WNW	.1	2.0	.0	40.0	71.0	49.0	19.0	181.1
NW	.2	5.0	10.0	32.0	66.0	21.0	5.0	139.2
NNW	.1	4.0	18.0	87.0	98.0	69.0	42.0	318.1
TOTAL	3.0	85.0	230.0	399.0	454.0	229.0	96.0	1496.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 123
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2085

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.1	7.0	18.0	7.0	.0	.0	.0	32.1
NNE	.1	7.0	14.0	4.0	.0	.0	.0	25.1
NE	.1	6.0	15.0	3.0	.0	.0	.0	24.1
ENE	.0	4.0	6.0	3.0	1.0	.0	.0	14.0
E	.1	6.0	8.0	1.0	.0	.0	.0	15.1
ESE	.1	7.0	4.0	4.0	.0	.0	.0	15.1
SE	.0	5.0	14.0	8.0	4.0	.0	4.0	35.0
SSE	.1	11.0	12.0	10.0	1.0	3.0	4.0	41.1
S	.1	8.0	10.0	8.0	4.0	2.0	.0	32.1
SSW	.1	7.0	14.0	10.0	3.0	.0	1.0	35.1
SW	.1	7.0	4.0	5.0	.0	.0	.0	16.1
WSW	.1	6.0	3.0	1.0	1.0	.0	.0	11.1
W	.0	3.0	5.0	.0	3.0	.0	.0	11.0
WNW	.0	4.0	2.0	3.0	.0	2.0	.0	11.0
NW	.0	5.0	3.0	7.0	2.0	.0	1.0	18.0
NNW	.1	8.0	22.0	8.0	3.0	1.0	1.0	43.1
TOTAL	1.0	101.0	154.0	82.0	22.0	8.0	11.0	379.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 123
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2085

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	4.0	7.0	.0	.0	.0	.0	11.0
NNE	.0	5.0	3.0	1.0	.0	.0	.0	9.0
NE	.0	7.0	1.0	.0	.0	.0	.0	8.0
ENE	.0	2.0	1.0	.0	.0	.0	.0	3.0
E	.0	1.0	1.0	.0	.0	.0	.0	2.0
ESE	.0	4.0	1.0	.0	.0	.0	.0	5.0
SE	.0	4.0	1.0	.0	.0	.0	.0	5.0
SSE	.0	5.0	2.0	.0	.0	.0	.0	7.0
S	.0	5.0	1.0	2.0	1.0	.0	.0	9.0
SSW	.0	6.0	3.0	4.0	.0	.0	.0	13.0
SW	.0	6.0	1.0	2.0	.0	.0	.0	9.0
WSW	.0	1.0	1.0	.0	.0	.0	.0	2.0
W	.0	1.0	.0	.0	.0	.0	.0	1.0
WNW	.0	6.0	.0	.0	1.0	.0	.0	7.0
NW	.0	3.0	2.0	1.0	.0	.0	.0	6.0
NNW	.0	2.0	6.0	.0	.0	.0	.0	8.0
TOTAL	.0	62.0	31.0	10.0	2.0	.0	.0	105.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 123
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2085

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.0	2.0	.0	.0	.0	.0	.0	2.0
NNE	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0
ENE	.0	.0	1.0	.0	.0	.0	.0	1.0
E	.0	.0	.0	.0	.0	.0	.0	.0
ESE	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0
SSE	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.0	1.0	.0	.0	.0	.0	2.0
SSW	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	2.0	3.0	.0	.0	.0	5.0
WSW	.0	.0	1.0	4.0	.0	.0	.0	5.0
W	.0	.0	2.0	.0	.0	.0	.0	2.0
WNW	.0	.0	.0	1.0	.0	.0	.0	1.0
NW	.0	.0	.0	.0	.0	.0	.0	.0
NNW	.0	.0	1.0	.0	.0	.0	.0	1.0
TOTAL	.0	3.0	8.0	8.0	.0	.0	.0	19.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 123
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2085

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 2000

BASIC METEOROLOGICAL OBSERVATIONS AT 122.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [2000/10/ 1/ 0] TO [2000/12/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	
N	.6	27.0	65.0	47.0	7.0	1.0	.0	147.6
NNE	.4	21.0	52.0	19.0	3.0	.0	.0	95.4
NE	.3	21.0	28.0	12.0	1.0	.0	.0	62.3
ENE	.2	10.0	27.0	9.0	4.0	.0	.0	50.2
E	.1	8.0	13.0	9.0	1.0	.0	.0	31.1
ESE	.4	19.0	16.0	13.0	.0	.0	.0	48.4
SE	.3	17.0	39.0	29.0	6.0	.0	4.0	95.3
SSE	.4	25.0	38.0	21.0	6.0	3.0	4.0	97.4
S	.3	21.0	25.0	35.0	17.0	7.0	3.0	108.3
SSW	.1	15.0	25.0	24.0	11.0	1.0	1.0	77.1
SW	.1	15.0	12.0	35.0	27.0	4.0	5.0	98.1
WSW	.1	8.0	8.0	37.0	53.0	17.0	4.0	127.1
W	.1	5.0	15.0	47.0	124.0	67.0	19.0	277.1
WNW	.1	12.0	2.0	48.0	77.0	55.0	19.0	213.1
NW	.2	13.0	15.0	41.0	68.0	22.0	6.0	165.2
NNW	.2	15.0	47.0	96.0	111.0	72.0	50.0	391.2
TOTAL	4.0	252.0	427.0	522.0	516.0	249.0	115.0	2085.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 122.00
 TEMPERATURE SENSOR SEPARATION (METERS) 112.00
 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 123
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2085

NOTE: CALMS WERE DISTRIBUTED IN PROPORTION TO THE FREQUENCY OF WINDS IN THE LOWEST WIND SPEED GROUP WITH NON-ZERO ENTRIES IN EACH STABILITY.

ANNUAL

EFFLUENT AND WASTE DISPOSAL REPORT

F - REPORTABLE CHANGES

TO THE PROCESS CONTROL PROGRAM (PCP)

OFFSITE DOSE CALCULATION MANUAL (ODCM)

AND RADIOACTIVE WASTE SYSTEMS

G - REPORTABLE ITEMS

THE RADIOACTIVE LIQUID EFFLUENT MONITORING

INSTRUMENTATION

RADIOACTIVE GASEOUS EFFLUENT MONITORING

INSTRUMENTATION

H - UNPLANNED RELEASES

2000

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
INDIAN POINT UNIT NOS. 1 & 2
DOCKET NOS. 50-03 & 50-247
MAY, 2001

SECTION F

Reportable Changes

A. Process Control Program (PCP)

Section 6.14.1 of the Indian Point Unit No. 2 Technical Specifications requires that licensee initiated changes to PCP be reported to the Commission in the Annual Radioactive Effluent Release Report. During the 2000 reporting period there were no changes to the PCP.

B. Offsite Dose Calculation Manual (ODCM)

Section 6.15.2 of the Indian Point Unit No. 2 Technical Specifications requires that changes to ODCM be reported to the Commission in the Annual Radioactive Effluent Release Report. During the 2000 reporting period, there were no changes to the ODCM.

C. Radioactive Waste Systems (RWS)

Section 6.16.1 of the Indian Point Unit No. 2 Technical Specifications requires that major changes to RWS be reported to the Commission in the Annual Radioactive Effluent Release Report. During the 2000 reporting period there were no major changes made to the RWS.

SECTION G

Reportable Items

A. Radioactive Liquid Effluent Monitoring Instrumentation

Radiation monitor R-40 monitors Service Water effluent from Component Cooling Heat Exchanger #22.

R-40 failed to trip on low flow during the performance of surveillance test PTQ-72 and was declared inoperable. The condition was documented in CR 200000032 and in work order NP 00-132395. The channel was restored to operable status on May 19, 2000. Following the failure of R-40, Component Cooling Heat Exchanger #22 was removed from service, isolated, and Component Cooling Water Heat Exchanger #21 was placed into service, whose Service Water effluent was monitored by the operable R-39. As documented in Operator Log DSR-5, Component Cooling Heat Exchanger #22 was restored to service from February 16, 2000, through February 21, 2000, following the February 15, 2000, steam generator tube leak. Component Cooling Heat Exchanger #22 was again removed from service late on February 21, 2000, and was not restored to operable service until May 10, 2000. R-40, however, was restored to operable status until May 19, 2000. Instrumentation testing coupled with station priorities, associated with the steam generator outage delayed restoration of R-40 to operable status. Despite the period of channel inoperability, Service Water effluent was being discharged for approximately two weeks while R-40 was inoperable. During this period compensatory actions were required to be taken per Technical Specification requirements.

Radiation Monitor R-49 monitors steam generator blowdown effluent discharge from the plant.

The R-49 channel was out of service for a period of time greater than 30 days following the February 15, 2000 steam generator tube leak. Following this event the plant was brought to cold shutdown conditions. R-49 was restored to operable status on December 19, 2000 during plant start-up following the replacement of the four steam generators, while the RCS was above 200F but below 350F. R-49 was out of service during this period due to the insufficient pressure at this plant condition, not providing sufficient flow to meet the monitor's flow requirements. During these periods compensatory actions were required per Technical Specification requirements.

Flow through R-49 was established during the process of starting the plant during the Summer of 2000; however, a subsequent decision to terminate plant start-up and enter into a steam generator replacement outage again resulted in the termination of flow to R-49.

May, 2001

Re: Indian Point Unit Nos. 1 & 2

Docket Nos. 50-03 & 50-247

B. Radioactive Gaseous Effluent Monitoring Instrumentation

None

SECTION H

Unplanned Releases

A. Unplanned Liquid Releases

Eight unplanned liquid releases, totaling 4,829.50 gallons of water containing, $7.02\text{E-}3$ Ci of activity, were released. Four of those releases occurred during the 24 steam generator tube leak event on February 15, 2000. As a result of those four releases, 2,188 gallons of water containing $1.42\text{E-}3$ Ci of activity, were released with an estimated diluted concentration of 4.51% of MPCw.

Following the event on February 21 and 22, 2000, there were two unplanned releases. These two releases occurred during planned releases of the Frac Tank associated with high alarm of R-51 monitor. A total of 504 gallons of water containing $5.34\text{E-}3$ Ci of unplanned activity, were released with maximum estimated diluted concentration of 33% of MPCw.

From April 3, to April 11, 2000 there was an unplanned release from the main steam turbine system into the north drain. The release contained 378 gallons of water with an activity of $1.53\text{E-}5$ Ci and an estimated diluted concentration of 1.43% of MPCw.

On July 1 and July 2, 2000, during the plant heat-up, 800 gallons of water, with an activity of $2.35\text{E-}4$ Ci was released from the condensate pump discharge chemistry sampling line. The water had a concentration of $1.07\text{E-}5$ uCi/ml, which resulted in diluted concentration of $4.06\text{E-}5$ % of MPCw.

On July 5, 2000, an unplanned released occurred from the heater drain tank system, during which 960 gallons of water, containing $8.1\text{E-}6$ Ci of activity with estimated diluted concentration of $2.93\text{E-}5$ % of MPCw, was released.

B. Unplanned Gaseous Releases

Eight unplanned gaseous releases occurred during the 24 steam generator tube leak event on February 15, 2000. A total $1.93\text{E-}1$ Ci of activity was released.