

Effluent and Waste Disposal

Semi-Annual Report

July 1, 1992 - December 31, 1992

Facility Indian Point 3

Licensee New York Power Authority

This information is provided in accordance with the requirements of Regulatory Guide 1.21. The numbered sections of this report reference corresponding sections of the subject Regulatory Guide, pages 1.21-10 to 12.

A. Supplemental Information

1. Regulatory Limits

Indian Point 3 is presently subject to limits on radioactive waste releases that are set forth in sections 2.3.1, 2.3.2, 2.3.3, 2.4.1, 2.4.2, 2.4.3 and 2.4.4 of Appendix B to Docket #50-286 entitled "Environmental Technical Specification Requirements Part II Radiological Environmental". The percentages of the technical specification limits reported in Tables 1A and 2A are the percent of the quarterly limits specified in the ETSR. If more than one limit applies to the release, the most restrictive limit is reported.

2. Maximum Permissible Concentration

a) Fission and Activation Gases

The quarterly dose resulting from release of fission and activation gases is calculated in accordance with the methodology stated in the Off Site Dose Calculation Manual (ODCM). The specific isotopes listed in Table 1C are used to determine the effective dose factors for the time period.

b/c) Iodines, Tritium and Particulates

The quarterly organ dose limit for Iodine 131, tritium and particulates with half-lives greater than eight days is calculated in accordance with the methodology stated in the ODCM.

d) Liquid Effluents

The quarterly dose limit for liquid isotopic releases is calculated in accordance with the methodology stated in the ODCM. The concentration limit for noble gases dissolved in liquid releases is calculated based upon a maximum permissible concentration of $2.00E-4$ uCi/ml as required by section 2.3.1.A of the ETSR.

9303070542 930301
PDR ADOCK 05000286
R PDR

57

3. Average Energy

The average energies (\bar{E}) of the radionuclide mixture in releases of fission and activation gases were as follows:

3rd Quarter	$E_{\beta} = 1.49E-01$ or Mev/dis	$E_{\gamma} = 8.51E-02$	Mev/dis
4th Quarter	$E_{\beta} = 1.61E-01$ or Mev/dis	$E_{\gamma} = 1.16E-01$	Mev/dis

4. Measurements and Approximations of Total Radioactivity

a) Fission and Activation Gases

Analysis of effluent gases has been performed in compliance with the requirements of Table 3.4-1 of the ETSR. In the case of isolated tanks (batch release) the total activity discharged is based on an isotopic analysis of each batch with the volume of gas in the batch corrected to standard temperature and pressure.

Vapor containment purge discharges that are less than 150 hours/quarter in duration have been treated as batch releases and pressure relief discharges have been treated as continuous releases (> 500 hrs/year and as defined in NUREG 0133, Section 3.3). At least one complete isotopic concentration analysis of containment air is performed monthly. This analysis is used in conjunction with a process monitor to obtain the isotopic mixture and quantification of each pressure relief. Isotopic analyses for each vapor containment purge are taken prior to and during the purge. This information is combined with the volume of air in each discharge to calculate the quantity of activity released from these discharges.

The continuous building discharges are based on weekly samples of ventilation air for isotopic content. This information is combined with total air volume discharged and the process radiation monitor readings to determine the quantity of activity from continuous discharges.

b/c) Iodines and Particulates

Iodine-131 and particulate releases are quantified by collecting a continuous sample of ventilation air on a TEDA impregnated activated charcoal cartridge and a glass-fiber filter paper. These samples are changed weekly as required in Table 3.4-1 of the ETSR and the concentration of isotopes found by analysis of these samples is combined with the volume of air discharged during the sampling period to calculate the quantity of activity discharged.

For other iodine isotopes the concentration of each isotope is determined monthly on a 24-hour sample. The concentration of the isotopes found by analysis is combined with the volume of air discharged during the sampling period to calculate the quantity of activity discharged.

d) Liquid Effluents

A sample of each batch discharge is taken and an isotopic analysis is performed in compliance with requirements specified in Table 3.3-1 of the ETSR. This isotopic concentration data is combined with the information on volume discharged to determine the amount of each isotope discharged.

Proportional composite samples of continuous discharges are taken and analyzed in compliance with Table 3.3-1 of the ETSR. This concentration data is combined with the volume discharged to calculate the total activity discharged.

5. Batch Releases

a) Liquid

	<u>1992</u>	
	<u>3rd Quarter</u>	<u>4th Quarter</u>
Number of Batch Releases	49	39
Total Time Period Batch Releases (Min.)	7763	6084
Maximum " " " " " "	325	315
Average " " " " " "	158	156
Minimum " " " " " "	120	80
Average Stream Flow (cfs)	Note: *	Note: *

Note:*

This information is obtained from the Department of the Interior, U.S. Geological Survey for the Hudson River. Due to the delays in obtaining this data from the governmental agency, flows are submitted as they become available.

<u>Year</u>	<u>Quarter</u>	<u>Flow (ft³/sec)</u>
1990	Fourth	28067
1991	First	27833
1991	Second	17337
1991	Third	5303

b) Gaseous

	<u>1992</u>	
	<u>3rd Quarter</u>	<u>4th Quarter</u>
Number of Batch Releases	3	11
Total Time Period Batch Releases (Min.)	3530	513
Maximum " " " " " "	1780	95
Average " " " " " "	1177	47
Minimum " " " " " "	124	8

6. Abnormal Releases

a) Liquid
None

b) Gaseous
None

7. Radiological Environmental Technical Specifications

The Radiological Environmental Technical Specifications require reporting of prolonged outage of effluent monitoring equipment (Sections 2.1.C and 2.2.B) and significant changes in the land use census, Radiological Environmental Monitoring Program or exceeding the total curie content limitations in outdoor tanks. (Sections 2.8.A, 2.8.B, 2.7.C and 2.3.4.B). During this reporting period, the following effluent monitoring equipment was out of service:

During the third quarter of 1992, the Batch Liquid Release tanks were not recirculated for the required two tank volumes to ensure adequate mixing per the ODCM section 2.1.5. The reduced recirculation did not increase the uncertainty reported in Tables 2A and 2B due to the conservative nature of the total error calculation. Only the third quarter 1992 was effected. This is documented in LER 92-019.

The liquid radioactive waste flow rate monitor (FT-1064) was not tested in accordance with specification Section 3.1, Table 3.1-1. The period effected included January, 1984 to December 5, 1992 and is documented in LER 93-001. This monitor is not utilized to calculate dose or effluent concentration submitted in the reports covering the effected periods.

The Radioactive Machine Shop Building exhaust ventilation flow rate monitor was not tested within the required frequency, as per specification Section 3.2, Table 3.2-1. The monitor was out of service for the period October 1, 1991 to December 23, 1992 and is documented in LER 93-003. The rated fan flow has been used to calculate the effluent releases from the pathway during the effected periods. This compensatory action is allowed by the ODCM section 3.1.13.

Indian Point 3
EFFLUENT AND WASTE DISPOSAL
SEMI-ANNUAL REPORT

B. GASEOUS EFFLUENTS
THIRD AND FOURTH QUARTERS 1992

TABLE 1A

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1992)

GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

	UNIT	QUARTER 3rd	QUARTER 4th	EST.TOTAL Error %
A. Fission & Activation Gases				
1. Total Release	Curies	2.54E-01	6.82E-01	2.50E+01
2. Average release rate for period	uCi/sec	3.19E-02	8.58E-02	
3. Percent of technical spec. limit	%	4.47E-04	1.30E-03	
B. Iodines				
1. Total Iodine - 131	Ci	0.00E-00*	0.00E-00*	2.50E+01
2. Average release rate for period	uCi/sec	0.00E-00	0.00E-00	
C. Particulates				
1. Particulates with half-lives >8 days	Ci	1.51E-05	0.00E-00*	2.50E+01
2. Average release rate for period	uCi/sec	1.90E-06	0.000-00	
3. Gross alpha radioactivity	Ci	<2.86E-07	<2.94E-07	
D. Tritium				
1. Total release	Ci	1.19E+00	1.40E+00	2.50E+01
2. Average release rate for period	uCi/sec	1.50E-01	1.76E-01	
E. Percent of Tech Spec Limit Iodines, Particulate, & Tritium				
	%	2.73E-03	2.86E-03	2.50E+01

* Below the limit of detection

TABLE 1C
 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1992)
 GASEOUS EFFLUENTS-GROUND RELEASES

Nuclides Released	Unit	CONTINUOUS MODE		BATCH MODE	
		3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
1) Fission Gases					
Krypton (Kr) 85m	Ci				
Krypton (Kr) 85	Ci			5.38E-03	2.68E-02
Krypton (Kr) 87	Ci				
Krypton (Kr) 88	Ci				
Xenon (Xe) 131m	Ci				
Xenon (Xe) 133m	Ci				
Xenon (Xe) 133	Ci	2.02E-02	5.50E-01	2.19E-01	5.41E-02
Xenon (Xe) 135m	Ci				
Xenon (Xe) 135	Ci	1.05E-03	7.12E-03		6.94E-03
Xenon (Xe) 138	Ci				
Argon (Ar) 41	Ci	8.05E-03	3.62E-02		9.30E-04
<hr/>					
TOTAL FOR PERIOD	Ci	2.93E-02	5.93E-01	2.24E-01	8.88E-02
2) Iodines					
Iodine (I) 131	Ci				
Iodine (I) 133	Ci				
Iodine (I) 135	Ci				
<hr/>					
TOTAL FOR PERIOD	Ci	0.00E-00	0.00E-00	0.00E-00	0.00E-00

TABLE 1C
 EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1992)
 GASEOUS EFFLUENTS - GROUND RELEASES

Nuclides Released	Unit	CONTINUOUS MODE		BATCH MODE	
		3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
3) Particulates					
Antimony (Sb) 125	Ci				
Barium (Ba) 133	Ci				
Cadmium (Cd) 109	Ci				
Cerium (Ce) 139	Ci				
Cerium (Ce) 141	Ci				
Cerium (Ce) 144	Ci				
Cesium (Cs) 134	Ci				
Cesium (Cs) 137	Ci		4.67E-06		
Cobalt (Co) 57	Ci				
Cobalt (Co) 58	Ci		1.04E-05		
Cobalt (Co) 60	Ci				
Chromium (Cr) 51	Ci				
Niobium (Nb) 95	Ci				
Strontium (Sr) 89	Ci				
Strontium (Sr) 90	Ci				
Tin (Sn) 113	Ci				
TOTAL	Ci		1.51E-05		

Indian Point 3
EFFLUENT AND WASTE DISPOSAL
SEMI-ANNUAL REPORT

C. LIQUID EFFLUENTS
THIRD AND FOURTH QUARTERS, 1992

TABLE 2A

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1992)

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNITS	QUARTER 3rd	QUARTER 4th	EST. TOTAL ERROR %
A. Fission and activation products				
1. Total release (not including tritium, gases, alpha)	Ci	4.67E-02	4.96E-02	2.50E+01
2. Average diluted concentration during period	uCi/ml	1.45E-10	1.44E-10	
B. Tritium				
1. Total release	Ci	5.72E+01	7.86E+01	2.50E+01
2. Average diluted concentration during period	uCi/ml	1.78E-07	2.28E-07	
C. Dissolved and entrained gases				
1. Total release	Ci	7.96E-03	3.64E-03	2.50E+01
2. Average diluted concentration during period	uCi/ml	2.47E-11	1.06E-11	
D. Gross alpha radioactivity				
1. Total release	Ci	<7.32E-05	<6.74E-05	2.50E+01
E. Volume of waste released (prior to dilution)				
	liters	1.59E+06	1.22E+06	1.00E+01
F. Volume of dilution water used during period				
	liters	3.22E+11	3.44E+11	1.00E+01
G. Percent of liquid effluent limit				
	%	2.57E-02	2.94E-02	2.50E+01

TABLE 2B
LIQUID EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT (1992)

Isotopes Released	Unit	CONTINUOUS MODE		BATCH MODE	
		3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
Antimony (Sb) 122	Ci				
Antimony (Sb) 124	Ci			9.61E-04	8.69E-05
Antimony (Sb) 125	Ci			2.84E-03	2.68E-03
Beryllium (Be) 7	Ci				
Barium (Ba) 140	Ci				
Cadmium (Cd) 109	Ci				
Cerium (Ce) 139	Ci				
Cerium (Ce) 141	Ci				
Cerium (Ce) 144	Ci				
Cesium (Cs) 134	Ci			9.05E-05	3.55E-06
Cesium (Cs) 136	Ci				
Cesium (Cs) 137	Ci			1.74E-04	3.38E-05
Cesium (Cs) 138	Ci				
Chromium (Cr) 51	Ci			1.03E-03	4.76E-04
Cobalt (Co) 57	Ci			2.25E-05	8.86E-06
Cobalt (Co) 58	Ci			1.64E-02	8.36E-03
Cobalt (Co) 60	Ci			4.19E-03	1.35E-02
Iodine (I) 131	Ci				2.96E-04
Iodine (I) 132	Ci				
Iodine (I) 133	Ci				4.49E-05
Iodine (I) 135	Ci				
Iron (Fe) 55	Ci			1.63E-02	1.60E-02
Iron (Fe) 59	Ci			9.85E-05	2.34E-05
Lanthanum(La) 140	Ci				
Mercury (Hg) 203	Ci				

TABLE 2B

LIQUID EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT (1992)

Nuclides	Unit	CONTINUOUS MODE		BATCH MODE	
		3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
Manganese (Mn) 54	Ci			2.18E-04	1.44E-03
Molybdenum(Mo) 99	Ci				
Nickel (Ni) 63	Ci			2.47E-03	1.97E-03
Copper (Cu) 64	Ci				
Niobium (Nb) 95	Ci			2.18E-05	9.04E-04
Rubidium (Rb) 88	Ci				
Ruthenium (Ru) 103	Ci				
Ruthenium (Ru) 105	Ci				
Ruthenium (Ru) 106	Ci				
Silver (Ag) 110m	Ci			1.90E-03	3.39E-03
Sodium (Na) 24	Ci				
Strontium (Sr) 85	Ci				
Strontium (Sr) 89	Ci				
Strontium (Sr) 90	Ci				
Technetium(Tc) 99m	Ci				5.74E-05
Tin (Sn) 113	Ci			6.09E-06	
Tungsten (W) 187	Ci				
Yttrium (Y) 91m	Ci				
Yttrium (Y) 92	Ci				
Zinc (Zn) 65	Ci				
Zirconium (Zr) 95	Ci				3.23E-04
TOTAL FOR PERIOD		0.00E-00	0.00E-00	4.67E-02	4.96E-02

TABLE 2C

LIQUID EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT (1992)

Nuclides	Unit	CONTINUOUS MODE		BATCH MODE	
		3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
Argon (Ar) 41	Ci				1.79E-05
Xenon (Xe) 131m	Ci				
Xenon (Xe) 133	Ci			7.81E-03	3.57E-03
Xenon (Xe) 133m	Ci				
Xenon (Xe) 135	Ci			1.47E-04	4.75E-05
Krypton (Kr) 85m	Ci				
Krypton (Kr) 85	Ci				
Krypton (Kr) 88	Ci				
Xenon (Xe) 135m	Ci				
TOTAL DISSOLVED AND ENTRAINED GASES	Ci	0.00E-00	0.00E-00	7.96E-03	3.64E-03

Indian Point 3
EFFLUENT AND WASTE DISPOSAL
SEMI-ANNUAL REPORT

D. SOLID WASTE
THIRD AND FOURTH QUARTERS, 1992

TABLE 3
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
 July 1 - December 31, 1992
SOLID WASTE SHIPMENTS

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

1. Type of Waste	Unit	6 Month Period			Est. Total Error, %
		Class A	Class B	Class C	
a. Spent resins, filter sludges, etc.	m ³	4.5E+0	3.7E+0	4.5E+0	
	Ci	1.42E+1	1.88E+2	1.81E+1	25
b. Dry compressible, contam. equipment for burial	m ³	0	0	0	
	Ci	0	0	0	N/A
c. Irradiated Components	m ³	0	0	0	
	Ci	0	0	0	N/A
d. Other: Dry compressible, contaminated equip. for volume reduction at offsite facility	m ³	3.25E+1	0	0	
	Ci	4.55E-1	0	0	25

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

NUCLIDE	UNIT	Resin	Resin	Dry Waste	Vol. Red
		CLASS A	CLASS C	CLASS A	CLASS A
Cr-51	%	-	-	12.1	-
Mn-54	%	-	1.4	1.9	-
Fe-55	%	12.6	8.1	35.6	59
Co-58	%	6.3	0.7	18.3	5
Co-60	%	12.2	42.0	17.6	28
Ni-63	%	6.2	16.4	3.8	5
Cs-134	%	16.9	11.3	-	-
Cs-137	%	21.7	18.6	-	2
H-3	%	5.2	-	-	-
Pu-241	%	11.0	-	-	-

Percentage of nuclides and total activities are based on a combination of direct measurements and scaling for non-gamma emitting nuclides.

3. Solid Waste Disposition

<u>Number of Shipments</u>	<u>Mode of Transport</u>	<u>Destination</u>
3	Truck/Cask	Barnwell, SC
3	Truck/Van	SEG, Oak Ridge TN: for volume reduction
4	Truck/Van	Quadrex, Oak Ridge Tn: for volume reduction
1	Truck/Van	Alaron, Wampum Pa : for volume reduction

4. Containers Shipped

<u>Container</u>	<u>Class A</u>		<u>Class B</u>		<u>Class C</u>	
	<u>Number</u>	<u>Solid Media</u>	<u>Number</u>	<u>Solid Media</u>	<u>Number</u>	<u>Solid Media</u>
For Burial:						
Poly HIC	1	None	1	None	1	N/A
Drums	0	None	0	N/A	0	N/A
Steel Liner	0	N/A	0	None	0	N/A
Crates	0	None	0	None	0	N/A

For Volume Reduction:

Drums	0	None	0	N/A	0	N/A
Crates	25	None	0	N/A	0	N/A
Sealand Cont.	7	None	0	N/A	0	N/A
Heat Exch. Strong	2	None	0	N/A	0	N/A
Tight Container						

Indian Point 3
EFFLUENT AND WASTE DISPOSAL
SEMI-ANNUAL REPORT

E. RADIOLOGICAL IMPACT ON MAN

JANUARY - DECEMBER 1992

RADIOLOGICAL IMPACT ON MAN

The radiological impact on man is determined by conservatively calculating doses to a hypothetically maximum individual offsite based on plant effluents. These calculations are divided into 3 categories:

- Noble Gases
- Particulates and Iodine
- Liquid Releases (fish and invertebrate consumption)

An annual average dispersion factor is used in the calculations, the details of which are presented in the Offsite Dose Calculation Manual.

The computer code used to perform gaseous dose calculations incorporates the models and parameters presented in the Indian Point 3 ODCM Revision 6 which utilizes the assumptions in Regulatory Guide 1.109 and NUREG 0133.

Dose calculations from liquid pathways to individuals for the fish and invertebrate consumption pathways are computed using the methodology and parameters in the Indian Point 3 ODCM which incorporates the calculational models that are present in Regulatory Guide 1.109 and NUREG 0133 where site specific data does not exist.

Carbon 14 release concentration and resulting dose has been estimated using data generated at Indian Point 3 from August 1980 to June 1982 after a study conducted by the New York State Department of Health. These estimates are consistent with NUREG 0017, Rev. 1. The maximum dose from Carbon 14 releases has been calculated using the maximum dependable gross electrical capacity of Indian Point 3 which is 1000 MW maintained for the entire year for Carbon 14. The resultant dose to the maximum exposed individual (child) from gaseous releases is 0.68 mRem to the critical organ (bone) and 0.14 mRem to the total body. These values are based upon site specific assumptions. The resultant dose to the maximum exposed individual from liquid releases from Carbon 14 is 0.012 mRem to the critical organ and 0.0025 mRem to the total body.

INDIAN POINT 3 NUCLEAR POWER PLANT
RADIOLOGICAL IMPACT ON MAN
JANUARY - DECEMBER 1992

Maximum exposed individual doses in mrem or mrad

A. LIQUIDS

QUARTER	1	2	3	4	ANNUAL
Adult GILLI mrem	1.59E-3	2.77E-3	1.09E-3	1.46E-3	6.90E-3
Percent of Limit	3.17E-2	5.53E-2	2.19E-2	2.91E-2	6.90E-2
Adult Total Body mrem	4.01E-4	6.23E-4	2.17E-4	2.14E-4	1.46E-3
Percent of Limit	2.67E-2	4.15E-2	1.44E-2	1.43E-2	4.85E-2

note : The GI-LLI was the critical organ for liquid pathways in 1992.

B. NOBLE GASES

QUARTER	1	2	3	4	ANNUAL
Total Body mrem	2.47E-4	5.58E-4	1.34E-5	4.64E-5	8.64E-4
Percent of Limit	1.98E-4	4.46E-4	1.07E-5	3.71E-5	1.73E-4
Skin mrem	6.35E-4	1.51E-3	3.29E-5	1.11E-4	2.29E-3
Percent of Limit	8.47E-5	2.01E-4	4.39E-5	1.48E-5	7.64E-5
Gamma Air mrad	2.89E-4	6.60E-4	1.54E-5	5.19E-5	1.02E-3
Percent of Limit	5.78E-3	1.32E-2	3.07E-4	1.04E-3	1.02E-2
Beta Air mrad	9.88E-4	2.45E-3	4.47E-5	1.30E-4	3.61E-3
Percent of Limit	9.88E-3	2.45E-2	4.47E-4	1.30E-3	1.81E-2

C. AIRBORNE IODINES, PARTICULATES and TRITIUM

QUARTER	1	2	3	4	ANNUAL
Iodine/Part mrem	5.93E-4	2.51E-3	2.05E-4	2.15E-4	3.29E-3
age group critical organ	Infant Thyroid	Infant Thyroid	Child Liver	Child Liver	Infant Thyroid
Percent of Limit	7.90E-3	3.35E-2	2.73E-3	2.86E-3	2.19E-2

Indian Point 3
EFFLUENT AND WASTE DISPOSAL
SEMI-ANNUAL REPORT

F. METEOROLOGICAL DATA
JANUARY - DECEMBER 1992

INDIAN POINT (UNITS 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 1/ 1/ 0] TO [1992/ 3/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	2.0	3.0	0.0	0.0	0.0	5.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
SE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
SSE	0.0	0.0	7.0	1.0	0.0	0.0	0.0	8.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0
SW	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0
WSW	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0
W	0.0	0.0	1.0	2.0	0.0	0.0	0.0	3.0
WNW	0.0	0.0	3.0	10.0	0.0	0.0	0.0	13.0
NW	0.0	0.0	2.0	20.0	1.0	0.0	0.0	23.0
NNW	0.0	0.0	6.0	3.0	1.0	0.0	0.0	10.0
TOTAL	0.0	0.0	23.0	44.0	2.0	0.0	0.0	69.0

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) 2182

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 1/ 1/ 0] TO [1992/ 3/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	6.0	5.0	0.0	0.0	0.0	11.0
NNE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
ESE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
SE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
SSE	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0
S	0.0	0.0	1.0	1.0	0.0	0.0	0.0	2.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
WSW	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0
W	0.0	0.0	1.0	1.0	0.0	0.0	0.0	2.0
WNW	0.0	0.0	4.0	3.0	0.0	0.0	0.0	7.0
NW	0.0	0.0	5.0	8.0	4.0	0.0	0.0	17.0
NNW	0.0	0.0	5.0	3.0	0.0	0.0	0.0	8.0
TOTAL	0.0	0.0	32.0	23.0	4.0	0.0	0.0	59.0

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) 2182

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 1/ 1/ 0] TO [1992/ 3/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	6.0	9.0	0.0	0.0	0.0	15.0
NNE	0.0	0.0	3.0	3.0	0.0	0.0	0.0	6.0
NE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	1.0	2.0	0.0	0.0	0.0	0.0	3.0
SE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	2.0
SSE	0.0	0.0	10.0	1.0	0.0	0.0	0.0	11.0
S	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0
SSW	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
SW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	1.0	2.0	0.0	0.0	0.0	3.0
WNW	0.0	0.0	3.0	1.0	0.0	0.0	0.0	4.0
NW	0.0	0.0	4.0	14.0	3.0	0.0	0.0	21.0
NNW	0.0	0.0	10.0	4.0	0.0	0.0	0.0	14.0
TOTAL	0.0	2.0	50.0	34.0	3.0	0.0	0.0	89.0

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) 2182

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 1/ 1/ 0] TO [1992/ 3/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	88.0	39.0	1.0	0.0	0.0	144.0
NNE	0.0	45.0	145.0	44.0	1.0	0.0	0.0	235.0
NE	0.0	48.0	58.0	7.0	0.0	0.0	0.0	113.0
ENE	0.0	28.0	4.0	0.0	0.0	0.0	0.0	32.0
E	0.0	17.0	2.0	0.0	0.0	0.0	0.0	19.0
ESE	0.0	19.0	8.0	0.0	0.0	0.0	0.0	27.0
SE	0.0	12.0	5.0	0.0	0.0	0.0	0.0	17.0
SSE	0.0	11.0	48.0	3.0	0.0	0.0	0.0	62.0
S	0.0	6.0	46.0	20.0	0.0	0.0	0.0	72.0
SSW	0.0	2.0	21.0	5.0	0.0	0.0	0.0	28.0
SW	0.0	2.0	13.0	2.0	0.0	0.0	0.0	17.0
WSW	0.0	1.0	10.0	6.0	2.0	0.0	0.0	19.0
W	0.0	2.0	19.0	19.0	5.0	0.0	0.0	45.0
WNW	0.0	3.0	61.0	39.0	0.0	0.0	0.0	103.0
NW	0.0	1.0	75.0	93.0	3.0	0.0	0.0	172.0
NNW	0.0	6.0	93.0	57.0	3.0	0.0	0.0	159.0
TOTAL	0.0	219.0	696.0	334.0	15.0	0.0	0.0	1264.0

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) 2182

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 1/ 1/ 0] TO [1992/ 3/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	9.0	14.0	0.0	0.0	0.0	0.0	23.0
NNE	0.0	39.0	35.0	0.0	0.0	0.0	0.0	74.0
NE	0.0	125.0	23.0	1.0	0.0	0.0	0.0	149.0
ENE	0.0	55.0	5.0	1.0	0.0	0.0	0.0	61.0
E	0.0	25.0	1.0	0.0	0.0	0.0	0.0	26.0
ESE	0.0	29.0	1.0	0.0	0.0	0.0	0.0	30.0
SE	0.0	26.0	2.0	1.0	0.0	0.0	0.0	29.0
SSE	0.0	13.0	31.0	5.0	1.0	0.0	0.0	50.0
S	0.0	2.0	22.0	0.0	4.0	0.0	0.0	28.0
SSW	0.0	3.0	14.0	1.0	0.0	0.0	0.0	18.0
SW	0.0	1.0	0.0	2.0	1.0	0.0	0.0	4.0
WSW	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
W	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
WNW	0.0	0.0	6.0	5.0	0.0	0.0	0.0	11.0
NW	0.0	6.0	14.0	8.0	0.0	0.0	0.0	28.0
NNW	0.0	5.0	7.0	4.0	0.0	0.0	0.0	16.0
TOTAL	0.0	340.0	178.0	28.0	6.0	0.0	0.0	552.0

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) 2182

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 1/ 1/ 0] TO [1992/ 3/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	0.0	0.0	0.0	0.0	1.0
NNE	0.0	15.0	7.0	0.0	0.0	0.0	0.0	22.0
NE	0.0	63.0	18.0	0.0	0.0	0.0	0.0	81.0
ENE	0.0	15.0	2.0	0.0	0.0	0.0	0.0	17.0
E	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
ESE	0.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0
SE	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
SSE	0.0	1.0	1.0	1.0	0.0	0.0	0.0	3.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
WSW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	101.0	31.0	1.0	0.0	0.0	0.0	133.0

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) 2182

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 1/ 1/ 0] TO [1992/ 3/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	0.0	0.0	0.0	0.0
NNE	0.0	3.0	1.0	0.0	0.0	0.0	0.0	4.0
NE	0.0	2.0	3.0	0.0	0.0	0.0	0.0	5.0
ENE	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
E	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	11.0	5.0	0.0	0.0	0.0	0.0	16.0

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) 2182

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 1/ 1/ 0] TO [1992/ 3/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	25.0	117.0	56.0	1.0	0.0	0.0	199.0
NNE	0.0	102.0	192.0	47.0	1.0	0.0	0.0	342.0
NE	0.0	238.0	103.0	8.0	0.0	0.0	0.0	349.0
ENE	0.0	101.0	11.0	1.0	0.0	0.0	0.0	113.0
E	0.0	46.0	4.0	0.0	0.0	0.0	0.0	50.0
ESE	0.0	53.0	13.0	0.0	0.0	0.0	0.0	66.0
SE	0.0	41.0	10.0	1.0	0.0	0.0	0.0	52.0
SSE	0.0	25.0	102.0	11.0	1.0	0.0	0.0	139.0
S	0.0	8.0	75.0	21.0	4.0	0.0	0.0	108.0
SSW	0.0	5.0	37.0	7.0	0.0	0.0	0.0	49.0
SW	0.0	3.0	16.0	6.0	1.0	0.0	0.0	26.0
WSW	0.0	3.0	11.0	10.0	2.0	0.0	0.0	26.0
W	0.0	2.0	25.0	24.0	5.0	0.0	0.0	56.0
WNW	0.0	3.0	77.0	58.0	0.0	0.0	0.0	138.0
NW	0.0	7.0	101.0	143.0	11.0	0.0	0.0	262.0
NNW	0.0	11.0	121.0	71.0	4.0	0.0	0.0	207.0
TOTAL	0.0	673.0	1015.0	464.0	30.0	0.0	0.0	2182.0

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) 2182

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 4/ 1/ 0] TO [1992/ 6/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	4.0	21.0	9.0	0.0	0.0	0.0	34.0
NNE	0.0	8.0	32.0	14.0	1.0	0.0	0.0	55.0
NE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	2.0	1.0	0.0	0.0	0.0	0.0	3.0
ESE	0.0	2.0	2.0	0.0	0.0	0.0	0.0	4.0
SE	0.0	3.0	2.0	0.0	0.0	0.0	0.0	5.0
SSE	0.0	7.0	63.0	19.0	0.0	0.0	0.0	89.0
S	0.0	3.0	34.0	11.0	0.0	0.0	0.0	48.0
SSW	0.0	0.0	12.0	0.0	0.0	0.0	0.0	12.0
SW	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0
WSW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
W	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
WNW	0.0	0.0	6.0	7.0	0.0	0.0	0.0	13.0
NW	0.0	1.0	11.0	15.0	0.0	0.0	0.0	27.0
NNW	0.0	2.0	13.0	7.0	0.0	0.0	0.0	22.0
TOTAL	0.0	34.0	204.0	82.0	1.0	0.0	0.0	321.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 29
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2155

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 4/ 1/ 0] TO [1992/ 6/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	10.0	2.0	0.0	0.0	0.0	12.0
NNE	0.0	2.0	19.0	5.0	0.0	0.0	0.0	26.0
NE	0.0	2.0	3.0	0.0	0.0	0.0	0.0	5.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	2.0
SSE	0.0	4.0	12.0	0.0	0.0	0.0	0.0	16.0
S	0.0	0.0	15.0	2.0	0.0	0.0	0.0	17.0
SSW	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0
SW	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
WNW	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0
NW	0.0	0.0	4.0	4.0	0.0	0.0	0.0	8.0
NNW	0.0	0.0	2.0	1.0	0.0	0.0	0.0	3.0
TOTAL	0.0	10.0	78.0	15.0	0.0	0.0	0.0	103.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 29
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2155

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 4/ 1/ 0] TO [1992/ 6/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	11.0	1.0	0.0	0.0	0.0	12.0
NNE	0.0	5.0	22.0	2.0	0.0	0.0	0.0	29.0
NE	0.0	1.0	5.0	0.0	0.0	0.0	0.0	6.0
ENE	0.0	2.0	5.0	0.0	0.0	0.0	0.0	7.0
E	0.0	3.0	1.0	0.0	0.0	0.0	0.0	4.0
ESE	0.0	6.0	2.0	0.0	0.0	0.0	0.0	8.0
SE	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
SSE	0.0	7.0	15.0	2.0	0.0	0.0	0.0	24.0
S	0.0	1.0	16.0	0.0	0.0	0.0	0.0	17.0
SSW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
SW	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0
WSW	0.0	2.0	1.0	0.0	0.0	0.0	0.0	3.0
W	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	4.0	2.0	0.0	0.0	0.0	6.0
NNW	0.0	0.0	4.0	1.0	0.0	0.0	0.0	5.0
TOTAL	0.0	30.0	88.0	9.0	0.0	0.0	0.0	127.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 29
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2155

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 4/ 1/ 0] TO [1992/ 6/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	7.0	37.0	1.0	0.0	0.0	0.0	45.0
NNE	0.0	45.0	98.0	42.0	2.0	0.0	0.0	187.0
NE	0.0	75.0	51.0	3.0	0.0	0.0	0.0	129.0
ENE	0.0	78.0	10.0	0.0	0.0	0.0	0.0	88.0
E	0.0	37.0	10.0	1.0	0.0	0.0	0.0	48.0
ESE	0.0	29.0	1.0	0.0	0.0	0.0	0.0	30.0
SE	0.0	22.0	9.0	0.0	0.0	0.0	0.0	31.0
SSE	0.0	19.0	68.0	10.0	0.0	0.0	0.0	97.0
S	0.0	3.0	45.0	10.0	0.0	0.0	0.0	58.0
SSW	0.0	1.0	2.0	2.0	0.0	0.0	0.0	5.0
SW	0.0	4.0	4.0	2.0	0.0	0.0	0.0	10.0
WSW	0.0	2.0	1.0	0.0	0.0	0.0	0.0	3.0
W	0.0	2.0	2.0	0.0	0.0	0.0	0.0	4.0
WNW	0.0	0.0	9.0	4.0	0.0	0.0	0.0	13.0
NW	0.0	1.0	17.0	9.0	0.0	0.0	0.0	27.0
NNW	0.0	3.0	22.0	13.0	1.0	0.0	0.0	39.0
TOTAL	0.0	328.0	386.0	97.0	3.0	0.0	0.0	814.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 29
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2155

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 4/ 1/ 0] TO [1992/ 6/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	15.0	0.0	0.0	0.0	0.0	20.0
NNE	0.0	32.0	57.0	5.0	0.0	0.0	0.0	94.0
NE	0.0	129.0	57.0	0.0	0.0	0.0	0.0	186.0
ENE	0.0	78.0	1.0	0.0	0.0	0.0	0.0	79.0
E	0.0	51.0	1.0	0.0	0.0	0.0	0.0	52.0
ESE	0.0	28.0	0.0	0.0	0.0	0.0	0.0	28.0
SE	0.0	25.0	8.0	0.0	0.0	0.0	0.0	33.0
SSE	0.0	15.0	43.0	1.0	0.0	0.0	0.0	59.0
S	0.0	3.0	22.0	5.0	0.0	0.0	0.0	30.0
SSW	0.0	1.0	6.0	0.0	0.0	0.0	0.0	7.0
SW	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
WSW	0.0	2.0	1.0	1.0	0.0	0.0	0.0	4.0
W	0.0	1.0	1.0	1.0	0.0	0.0	0.0	3.0
WNW	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
NW	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
NNW	0.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0
TOTAL	0.0	372.0	228.0	13.0	0.0	0.0	0.0	613.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 29
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2155

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 4/ 1/ 0] TO [1992/ 6/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	0.0	0.0	0.0	0.0
NNE	0.0	19.0	8.0	0.0	0.0	0.0	0.0	27.0
NE	0.0	79.0	24.0	0.0	0.0	0.0	0.0	103.0
ENE	0.0	13.0	1.0	0.0	0.0	0.0	0.0	14.0
E	0.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0
ESE	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
SE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
SSE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	119.0	33.0	0.0	0.0	0.0	0.0	152.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 29
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2155

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 4/ 1/ 0] TO [1992/ 6/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	0.0	0.0	0.0	0.0
NNE	0.0	7.0	1.0	0.0	0.0	0.0	0.0	8.0
NE	0.0	11.0	5.0	0.0	0.0	0.0	0.0	16.0
ENE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	19.0	6.0	0.0	0.0	0.0	0.0	25.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 29
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2155

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 4/ 1/ 0] TO [1992/ 6/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	94.0	13.0	0.0	0.0	0.0	123.0
NNE	0.0	118.0	237.0	68.0	3.0	0.0	0.0	426.0
NE	0.0	298.0	145.0	3.0	0.0	0.0	0.0	446.0
ENE	0.0	172.0	17.0	0.0	0.0	0.0	0.0	189.0
E	0.0	98.0	13.0	1.0	0.0	0.0	0.0	112.0
ESE	0.0	67.0	5.0	0.0	0.0	0.0	0.0	72.0
SE	0.0	55.0	20.0	0.0	0.0	0.0	0.0	75.0
SSE	0.0	53.0	201.0	32.0	0.0	0.0	0.0	286.0
S	0.0	10.0	132.0	28.0	0.0	0.0	0.0	170.0
SSW	0.0	2.0	28.0	2.0	0.0	0.0	0.0	32.0
SW	0.0	6.0	12.0	3.0	0.0	0.0	0.0	21.0
WSW	0.0	7.0	3.0	1.0	0.0	0.0	0.0	11.0
W	0.0	3.0	8.0	1.0	0.0	0.0	0.0	12.0
WNW	0.0	0.0	19.0	12.0	0.0	0.0	0.0	31.0
NW	0.0	2.0	38.0	30.0	0.0	0.0	0.0	70.0
NNW	0.0	5.0	51.0	22.0	1.0	0.0	0.0	79.0
TOTAL	0.0	912.0	1023.0	216.0	4.0	0.0	0.0	2155.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 29
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2155

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 7/ 1/ 0] TO [1992/ 9/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	30.0	10.0	0.0	0.0	0.0	52.0
NNE	0.0	15.0	10.0	6.0	0.0	0.0	0.0	31.0
NE	0.0	10.0	2.0	1.0	0.0	0.0	0.0	13.0
ENE	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
E	0.0	11.0	0.0	0.0	0.0	0.0	0.0	11.0
ESE	0.0	13.0	1.0	0.0	0.0	0.0	0.0	14.0
SE	0.0	21.0	11.0	0.0	0.0	0.0	0.0	32.0
SSE	0.0	13.0	75.0	5.0	0.0	0.0	0.0	93.0
S	0.0	3.0	46.0	3.0	0.0	0.0	0.0	52.0
SSW	0.0	4.0	15.0	7.0	0.0	0.0	0.0	26.0
SW	0.0	1.0	4.0	0.0	0.0	0.0	0.0	5.0
WSW	0.0	1.0	6.0	0.0	0.0	0.0	0.0	7.0
W	0.0	1.0	11.0	2.0	0.0	0.0	0.0	14.0
WNW	0.0	6.0	9.0	0.0	0.0	0.0	0.0	15.0
NW	0.0	6.0	14.0	0.0	0.0	0.0	0.0	20.0
NNW	0.0	8.0	30.0	4.0	0.0	0.0	0.0	42.0
TOTAL	0.0	135.0	264.0	38.0	0.0	0.0	0.0	437.0

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) 2208

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 7/ 1/ 0] TO [1992/ 9/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	11.0	0.0	0.0	0.0	0.0	16.0
NNE	0.0	9.0	13.0	2.0	0.0	0.0	0.0	24.0
NE	0.0	10.0	3.0	1.0	0.0	0.0	0.0	14.0
ENE	0.0	5.0	1.0	0.0	0.0	0.0	0.0	6.0
E	0.0	6.0	0.0	0.0	0.0	0.0	0.0	6.0
ESE	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
SE	0.0	8.0	1.0	0.0	0.0	0.0	0.0	9.0
SSE	0.0	5.0	4.0	1.0	0.0	0.0	0.0	10.0
S	0.0	1.0	4.0	1.0	0.0	0.0	0.0	6.0
SSW	0.0	0.0	5.0	1.0	0.0	0.0	0.0	6.0
SW	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
WNW	0.0	1.0	2.0	0.0	0.0	0.0	0.0	3.0
NW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
NNW	0.0	2.0	1.0	2.0	0.0	0.0	0.0	5.0
TOTAL	0.0	56.0	48.0	8.0	0.0	0.0	0.0	112.0

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) 2208

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 7/ 1/ 0] TO [1992/ 9/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	4.0	8.0	0.0	0.0	0.0	0.0	12.0
NNE	0.0	9.0	14.0	1.0	0.0	0.0	0.0	24.0
NE	0.0	7.0	7.0	1.0	0.0	0.0	0.0	15.0
ENE	0.0	8.0	0.0	0.0	0.0	0.0	0.0	8.0
E	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
ESE	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
SE	0.0	1.0	3.0	0.0	0.0	0.0	0.0	4.0
SSE	0.0	2.0	10.0	0.0	0.0	0.0	0.0	12.0
S	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0
SSW	0.0	0.0	2.0	2.0	0.0	0.0	0.0	4.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
WNW	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
NW	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
NNW	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
TOTAL	0.0	36.0	59.0	4.0	0.0	0.0	0.0	99.0

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) 2208

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 7/ 1/ 0] TO [1992/ 9/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	7.0	38.0	7.0	0.0	0.0	0.0	52.0
NNE	0.0	46.0	90.0	30.0	0.0	0.0	0.0	166.0
NE	0.0	88.0	51.0	0.0	0.0	0.0	0.0	139.0
ENE	0.0	46.0	1.0	0.0	0.0	0.0	0.0	47.0
E	0.0	27.0	1.0	0.0	0.0	0.0	0.0	28.0
ESE	0.0	20.0	3.0	0.0	0.0	0.0	0.0	23.0
SE	0.0	17.0	8.0	0.0	0.0	0.0	0.0	25.0
SSE	0.0	3.0	39.0	6.0	0.0	0.0	0.0	48.0
S	0.0	2.0	39.0	5.0	0.0	0.0	0.0	46.0
SSW	0.0	1.0	7.0	0.0	0.0	0.0	0.0	8.0
SW	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
WSW	0.0	1.0	3.0	0.0	0.0	0.0	0.0	4.0
W	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
WNW	0.0	2.0	7.0	0.0	0.0	0.0	0.0	9.0
NW	0.0	2.0	8.0	0.0	0.0	0.0	0.0	10.0
NNW	0.0	1.0	12.0	1.0	0.0	0.0	0.0	14.0
TOTAL	0.0	263.0	313.0	49.0	0.0	0.0	0.0	625.0

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) 2208

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 7/ 1/ 0] TO [1992/ 9/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	9.0	0.0	0.0	0.0	0.0	15.0
NNE	0.0	125.0	63.0	1.0	0.0	0.0	0.0	189.0
NE	0.0	209.0	43.0	0.0	0.0	0.0	0.0	252.0
ENE	0.0	89.0	1.0	0.0	0.0	0.0	0.0	90.0
E	0.0	31.0	0.0	0.0	0.0	0.0	0.0	31.0
ESE	0.0	28.0	1.0	0.0	0.0	0.0	0.0	29.0
SE	0.0	20.0	6.0	0.0	0.0	0.0	0.0	26.0
SSE	0.0	15.0	30.0	3.0	1.0	0.0	0.0	49.0
S	0.0	3.0	42.0	14.0	1.0	0.0	0.0	60.0
SSW	0.0	5.0	4.0	1.0	0.0	0.0	0.0	10.0
SW	0.0	1.0	1.0	0.0	0.0	0.0	0.0	2.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	3.0	5.0	0.0	0.0	0.0	0.0	8.0
WNW	0.0	2.0	5.0	0.0	0.0	0.0	0.0	7.0
NW	0.0	7.0	2.0	0.0	0.0	0.0	0.0	9.0
NNW	0.0	2.0	1.0	0.0	0.0	0.0	0.0	3.0
TOTAL	0.0	546.0	213.0	19.0	2.0	0.0	0.0	780.0

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) 2208

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 7/ 1/ 0] TO [1992/ 9/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	6.0	0.0	0.0	0.0	0.0	0.0	6.1
NNE	0.5	31.0	10.0	0.0	0.0	0.0	0.0	41.5
NE	0.9	63.0	5.0	0.0	0.0	0.0	0.0	68.9
ENE	0.1	10.0	0.0	0.0	0.0	0.0	0.0	10.1
E	0.1	9.0	0.0	0.0	0.0	0.0	0.0	9.1
ESE	0.1	5.0	0.0	0.0	0.0	0.0	0.0	5.1
SE	0.1	6.0	0.0	0.0	0.0	0.0	0.0	6.1
SSE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	2.0	2.0	0.0	0.0	0.0	0.0	4.0
NNW	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
TOTAL	2.0	134.0	18.0	0.0	0.0	0.0	0.0	154.0

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) 2208

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 7/ 1/ 0] TO [1992/ 9/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	1.0	0.0	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) 0
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2208

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/ 7/ 1/ 0] TO [1992/ 9/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	40.0	96.0	17.0	0.0	0.0	0.0	153.1
NNE	0.5	235.0	200.0	40.0	0.0	0.0	0.0	475.5
NE	0.9	387.0	112.0	3.0	0.0	0.0	0.0	502.9
ENE	0.1	168.0	3.0	0.0	0.0	0.0	0.0	171.1
E	0.1	86.0	1.0	0.0	0.0	0.0	0.0	87.1
ESE	0.1	72.0	5.0	0.0	0.0	0.0	0.0	77.1
SE	0.1	73.0	29.0	0.0	0.0	0.0	0.0	102.1
SSE	0.0	38.0	159.0	15.0	1.0	0.0	0.0	213.0
S	0.0	9.0	137.0	23.0	1.0	0.0	0.0	170.0
SSW	0.0	10.0	33.0	11.0	0.0	0.0	0.0	54.0
SW	0.0	2.0	9.0	0.0	0.0	0.0	0.0	11.0
WSW	0.0	2.0	9.0	0.0	0.0	0.0	0.0	11.0
W	0.0	4.0	24.0	2.0	0.0	0.0	0.0	30.0
WNW	0.0	11.0	25.0	0.0	0.0	0.0	0.0	36.0
NW	0.0	18.0	28.0	0.0	0.0	0.0	0.0	46.0
NNW	0.0	15.0	46.0	7.0	0.0	0.0	0.0	68.0
TOTAL	2.0	1170.0	916.0	118.0	2.0	0.0	0.0	2208.0

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) 2208

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/10/ 1/ 0] TO [1992/12/31/23]

PASQUILL STABILITY: A

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	17.0	8.0	5.0	0.0	0.0	30.0
NNE	0.0	1.0	0.0	7.0	0.0	0.0	0.0	8.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
ESE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
SE	0.0	2.0	7.0	0.0	0.0	0.0	0.0	9.0
SSE	0.0	0.0	16.0	0.0	0.0	0.0	0.0	16.0
S	0.0	1.0	12.0	0.0	0.0	0.0	0.0	13.0
SSW	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0
WNW	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
NW	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0
NNW	0.0	1.0	15.0	0.0	0.0	0.0	0.0	16.0
TOTAL	0.0	7.0	87.0	15.0	5.0	0.0	0.0	114.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 1
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2207

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/10/ 1/ 0] TO [1992/12/31/23]

PASQUILL STABILITY: B

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	6.0	3.0	0.0	0.0	0.0	9.0
NNE	0.0	1.0	2.0	1.0	0.0	0.0	0.0	4.0
NE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	1.0	1.0	0.0	0.0	0.0	0.0	2.0
SSE	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
S	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
SSW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
WNW	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0
NW	0.0	0.0	2.0	2.0	0.0	0.0	0.0	4.0
NNW	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
TOTAL	0.0	2.0	32.0	6.0	0.0	0.0	0.0	40.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 1
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2207

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/10/ 1/ 0] TO [1992/12/31/23]

PASQUILL STABILITY: C

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	13.0	2.0	1.0	0.0	0.0	17.0
NNE	0.0	2.0	3.0	3.0	0.0	0.0	0.0	8.0
NE	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
ESE	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
SE	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
SSE	0.0	1.0	6.0	0.0	0.0	0.0	0.0	7.0
S	0.0	0.0	3.0	1.0	0.0	0.0	0.0	4.0
SSW	0.0	0.0	1.0	2.0	0.0	0.0	0.0	3.0
SW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
WSW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
W	0.0	0.0	1.0	1.0	0.0	0.0	0.0	2.0
WNW	0.0	1.0	6.0	6.0	0.0	0.0	0.0	13.0
NW	0.0	0.0	4.0	1.0	1.0	0.0	0.0	6.0
NNW	0.0	1.0	3.0	1.0	0.0	0.0	0.0	5.0
TOTAL	0.0	12.0	43.0	17.0	2.0	0.0	0.0	74.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 1
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2207

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/10/ 1/ 0] TO [1992/12/31/23]

PASQUILL STABILITY: D

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	7.0	131.0	24.0	6.0	0.0	0.0	168.0
NNE	0.0	34.0	126.0	48.0	4.0	0.0	0.0	212.0
NE	0.0	44.0	23.0	1.0	0.0	0.0	0.0	68.0
ENE	0.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0
E	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
ESE	0.0	8.0	0.0	0.0	0.0	0.0	0.0	8.0
SE	0.0	10.0	3.0	0.0	0.0	0.0	0.0	13.0
SSE	0.0	10.0	17.0	3.0	0.0	0.0	0.0	30.0
S	0.0	3.0	44.0	23.0	3.0	0.0	0.0	73.0
SSW	0.0	0.0	8.0	1.0	0.0	0.0	0.0	9.0
SW	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
WSW	0.0	3.0	3.0	0.0	0.0	0.0	0.0	6.0
W	0.0	2.0	13.0	1.0	0.0	0.0	0.0	16.0
WNW	0.0	2.0	43.0	23.0	1.0	0.0	0.0	69.0
NW	0.0	4.0	47.0	27.0	6.0	0.0	0.0	84.0
NNW	0.0	7.0	44.0	6.0	0.0	0.0	0.0	57.0
TOTAL	0.0	167.0	502.0	157.0	20.0	0.0	0.0	846.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 1
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2207

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/10/1/0] TO [1992/12/31/23]

PASQUILL STABILITY: E

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	15.0	8.0	6.0	8.0	0.0	0.0	37.1
NNE	0.3	64.0	46.0	4.0	4.0	0.0	0.0	118.3
NE	0.8	197.0	60.0	4.0	9.0	0.0	0.0	270.8
ENE	0.4	88.0	2.0	0.0	0.0	0.0	0.0	90.4
E	0.1	34.0	0.0	0.0	0.0	0.0	0.0	34.1
ESE	0.1	24.0	0.0	0.0	0.0	0.0	0.0	24.1
SE	0.1	22.0	5.0	0.0	0.0	0.0	0.0	27.1
SSE	0.1	22.0	30.0	7.0	4.0	0.0	0.0	63.1
S	0.0	6.0	37.0	6.0	3.0	1.0	0.0	53.0
SSW	0.0	6.0	9.0	1.0	0.0	0.0	0.0	16.0
SW	0.0	3.0	2.0	0.0	0.0	0.0	0.0	5.0
WSW	0.0	1.0	2.0	0.0	0.0	0.0	0.0	3.0
W	0.0	1.0	10.0	0.0	0.0	0.0	0.0	11.0
WNW	0.0	4.0	18.0	1.0	0.0	0.0	0.0	23.0
NW	0.0	4.0	34.0	4.0	0.0	0.0	0.0	42.0
NNW	0.0	4.0	29.0	3.0	0.0	0.0	0.0	36.0
TOTAL	2.0	495.0	292.0	36.0	28.0	1.0	0.0	854.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 1
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2207

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/10/ 1/ 0] TO [1992/12/31/23]

PASQUILL STABILITY: F

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	0.0	0.0	0.0	0.0	2.0
NNE	0.4	43.0	7.0	0.0	0.0	0.0	0.0	50.4
NE	1.1	116.0	39.0	1.0	0.0	0.0	0.0	157.1
ENE	0.3	28.0	1.0	0.0	0.0	0.0	0.0	29.3
E	0.0	5.0	0.0	0.0	0.0	0.0	0.0	5.0
ESE	0.1	7.0	0.0	0.0	0.0	0.0	0.0	7.1
SE	0.0	2.0	1.0	0.0	0.0	0.0	0.0	3.0
SSE	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
S	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
WSW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
W	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
WNW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
TOTAL	2.0	209.0	50.0	1.0	0.0	0.0	0.0	262.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 1
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2207

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/10/ 1/ 0] TO [1992/12/31/23]

PASQUILL STABILITY: G

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	0.0	0.0	0.0	0.0
NNE	0.0	5.0	0.0	0.0	0.0	0.0	0.0	5.0
NE	0.0	7.0	2.0	0.0	0.0	0.0	0.0	9.0
ENE	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	15.0	2.0	0.0	0.0	0.0	0.0	17.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 1
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2207

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 1 & 2) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1992

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M)
 FOR PERIOD [Year/Month/Day/Hour]
 [1992/10/ 1/ 0] TO [1992/12/31/23]

PASQUILL STABILITY: ALL

WIND FROM	WIND SPEED (MPH)							TOTAL
	CALMS	0.60 - 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	24.0	176.0	43.0	20.0	0.0	0.0	263.1
NNE	0.7	150.0	184.0	63.0	8.0	0.0	0.0	405.7
NE	1.9	367.0	125.0	6.0	9.0	0.0	0.0	508.9
ENE	0.6	138.0	3.0	0.0	0.0	0.0	0.0	141.6
E	0.2	51.0	0.0	0.0	0.0	0.0	0.0	51.2
ESE	0.2	42.0	0.0	0.0	0.0	0.0	0.0	42.2
SE	0.1	38.0	18.0	0.0	0.0	0.0	0.0	56.1
SSE	0.1	35.0	72.0	10.0	4.0	0.0	0.0	121.1
S	0.0	10.0	101.0	30.0	6.0	1.0	0.0	148.0
SSW	0.0	6.0	26.0	4.0	0.0	0.0	0.0	36.0
SW	0.0	7.0	3.0	0.0	0.0	0.0	0.0	10.0
WSW	0.0	5.0	6.0	0.0	0.0	0.0	0.0	11.0
W	0.0	4.0	30.0	2.0	0.0	0.0	0.0	36.0
WNW	0.0	8.0	77.0	30.0	1.0	0.0	0.0	116.0
NW	0.0	8.0	92.0	34.0	7.0	0.0	0.0	141.0
NNW	0.0	14.0	95.0	10.0	0.0	0.0	0.0	119.0
TOTAL	4.0	907.0	1008.0	232.0	55.0	1.0	0.0	2207.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 1
 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2207

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 3
EFFLUENT AND WASTE DISPOSAL
SEMI-ANNUAL REPORT

G. OFFSITE DOSE CALCULATION MANUAL
AND PROCESS CONTROL PROGRAM CHANGES

THIRD AND FOURTH QUARTER, 1992

(No Changes During This Reporting Period)