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Effluent and Waste Disposal

Semi-Annual Report

July 1, 1995 - December 31, 1995

#### Facility

#### <u>Indian Point 3</u>

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. <u>Supplemental Information</u>

## 1. <u>Regulatory Limits</u>

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 No. 50-286 entitled "Environmental Technical Specification Requirements Part II Radiological Environmental" (ETSR). 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. <u>Maximum Permissible Concentration</u>

#### a) <u>Fission and Activation Gases</u>

The quarterly dose resulting from release of fission and activation gases is calculated in accordance with the methodology stated in the Offsite 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

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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) <u>Liquid Effluents</u>

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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.

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#### 3. <u>Average Energy</u>

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

## 4. <u>Measurements and Approximations of Total Radioactivity</u>

#### a) <u>Fission and Activation Gases</u>

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 Vapor Containment 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) <u>Iodines and Particulates</u>

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 and reporting period to calculate the quantity of activity discharged.

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#### 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.

#### e) <u>Methodology of Determining Estimated Total Error</u>

An effluents system error analysis was performed for Gaseous, Iodine, Particulate, and Liquid effluents using NCRP Report No. 58 methodologies to estimate and combine error terms. The errors listed in this report provide the best estimate of total error for the effluent and waste disposal analyses.

## 5. <u>Batch Releases</u>

a) Liquid

								<u>1995</u>	
							<u>3rd Quarter</u>		<u>4th Quarter</u>
Number o	of Bato	ch Rele	eases				30		27
Total T	ime Per	riod Ba	atch	Relea	ses	(Min)	4266		3888
Maximum	11	н	н	н	н	11	220	,	238
Average	11	н	н	н		11	142		144
Minimum	п	н	11	11	11	UT	107		45
Average	Stream	n 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, flows will be submitted as they become available.

#### Estimated Average Stream Flows of the Hudson River at Indian Point

<u>Year</u>	<u>Quarter</u>	Flow (ft <sup>3</sup> /sec)
1993	Fourth	16197
1994	First	23967
1994	Second	33200
1994	Third	10860

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							<u>1995</u>	
	1. )	~				<u>3rd Ouarter</u>		<u>4th Quarter</u>
	(מ	Gasec	ous					
Number of	Batch	Release	s			7		2
Total Time	Peric	d Batch	Releases	3 (M	in.)	4367		128
Maximum	U	и п		п	11	1420		95
Average	11	n n		п	п	624		64
Minimum	11	п п	н	п	н	34		33

#### 6. <u>Abnormal Releases</u>

a) <u>Liquid</u> None

b) <u>Gaseous</u> None

## 7. <u>Radiological Environmental Technical Specifications</u>

The Radiological Environmental Technical Specifications (RETS) require reporting of prolonged outages of effluent monitoring equipment (Sections 2.1.C and 2.2.B) and significant changes in the land use census, Radiological Environmental Monitoring Program (REMP), 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 required Technical Specification Effluent Monitoring equipment was out of service (OOS) for periods greater than 30 consecutive days:

Radiation Monitor	Days OOS	Reason for out of service condition
R-19 (Steam Generator Blowdown)	47	There was insufficient sample flow through the monitor in part due to plant condition (Cold Wet Lay-up) and monitor sample delivery problems in this plant condition. During this interval, administrative controls were in place and ensured compensatory samples were obtained for each discreet Steam Generator Draindown.

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## EFFLUENT AND WASTE DISPOSAL

SEMI-ANNUAL REPORT

# GASEOUS EFFLUENTS

THIRD AND FOURTH QUARTERS, 1995

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## TABLE 1A

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# EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (Jul - Dec 1995)

## GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

		UNIT	QUARTER 3rd	QUARTER 4th	EST. TOTAL ERROR %
A.	Fission & Activation Gases				
1. 2. 3.	Total Release Average release rate for period Percent of technical spec. limit	Ci uCi/sec %	1.02E+02 1.28E+01 1.66E-01	9.49E-01 1.19E-01 1.60E-03	2.50E+01
B. 1. 2.	Iodines Total Iodine - 131 Average release rate for period	Ci uCi/sec	9.39E-05 1.18E-05	3.18E-06 4.00E-07	2.50E+01
c.	Particulates				
1.	Total release with T½ >8 days	Ci	2.56E-06	0.00E-00	2.50E+01
2. 3.	Average release rate for period Gross alpha radioactivity	uCi/sec Ci	3.22E-07 <2.55E-06	0.00E-00 <2.48E-06	
D.	Tritium				
1. 2.	Total release Average release rate for period	Ci uCi/sec	3.60E-01 4.53E-02	3.63E-01 4.57E-02	2.50E+01
E.	Percent of Tech Spec Limit Iodines, Particulate with T½ > 8days, & Tritium	8	5.70E-02	2.26E-03	2.50E+01

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# TABLE 1C EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (Jul - Dec 1995) GASEOUS EFFLUENTS-GROUND RELEASES

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		CONTINUC	OUS MODE	BATCH	MODE
Nuclides Released	Unit	<u>3rd Quarter</u>	4th Ouarter	3rd Ouarter	<u>4th Quarter</u>
1) Fission Gases					
Krypton (Kr) 85m	Ci				
Krypton (Kr) 85	Ci			4.87E-01	4.70E-02
Krypton (Kr) 87	Ci				
Krypton (Kr) 88	Ci				
Xenon (Xe) 131m	Ci			8.55E-01	2.20E-02
Xenon (Xe) 133m	Ci			3.90E-01	
Xenon (Xe) 133	Ci	4.36E+01	5.70E-01	5.64E+01	3.10E-01
Xenon (Xe) 135m	Ci				
Xenon (Xe) 135	Ci			4.40E-02	
Xenon (Xe) 138	Ci				
Argon (Ar) 41	Ci			2.04E-02	
TOTAL FOR PERIOD	Ci	4.36E+01	5.70E-01	5.82E+01	3.79E-01
2) Iodines					
Iodine (I) 131	Ci	9.39E-05	3.18E-06		
Iodine (I) 133	Ci				
Iodine (I) 135	Ci				
TOTAL FOR PERIOD	Ci	9.39E-05	3.18E-06		

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# TABLE 1C EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (Jul - Dec 1995) GASEOUS EFFLUENTS - GROUND RELEASES

					CONTINU	OUS MODE	BATCH	I MODE
<u>Nucli</u>	<u>des Release</u>	d		Unit	3rd Quarter	4th Quarter	3rd Quarter	<u>4th Quarter</u>
3)	Particulat	ces						
	Antimony	(Sb)	125	Ci				
	Barium	(Ba)	133	Ci				
	Cadmium	(Cd)	109	Ci				
	Cerium	(Ce)	139	Ci				
	Cerium	(Ce)	141	Ci				
	Cerium	(Ċe)	144	Ci				
	Cesium	(Cs)	134	Ci				
	Cesium	(Cs)	137	Ci	2.56E-06			
	Cobalt	(Co)	57	Ci				
	Cobalt	(Co)	58	Ci				
	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

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Ci 2.56E-06

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EFFLUENT AND WASTE DISPOSAL

SEMI-ANNUAL REPORT

- LIQUID EFFLUENTS

THIRD AND FOURTH QUARTERS, 1995

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# TABLE 2A

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## EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (Jul - Dec 1995)

## LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	UNITS	QUARTER 3rd	QUARTER 4th	EST. TOTAL ERROR %
A. Fission and activation products				
l. Total release (not including tritium, gases, alpha)	Ci	2.00E-02	2.94E-02	2.50E+01
2. Average diluted concentration during period	uCi/ml	5.09E-11	1.06E-10	
B. Tritium				
1. Total release	Ci	2.43E+01	8.67E+01	2.50E+01
2. Average diluted concentration during period	uCi/ml	6.18E-08	3.13E-07	
C. Dissolved and entrained gases				
1. Total release	Ci	6.64E-02	5.46E-02	2.50E+01
2. Average diluted concentration during period	uCi/ml	1.69E-10	1.97E-10	
D. Gross alpha radioactivity				
1. Total release	Ci	<7.31E-05	<5.55E-05	N/A
E. Volume of waste released (prior to dilution)	liters	9.18E+05	7.85E+05	1.00E+01
F. Volume of dilution water used during period	liters	3.93E+11	2.77E+11	1.00E+01
G. Percent of liquid effluent limit	00	2.33E-02	1.95E-02	2.50E+01

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TABLE 2BLIQUID EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT (Jul - Dec 1995)

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		CONTINUC	DUS MODE	BATCH M	ODE
Nuclides Released	Unit	3rd Quarter	4th Quarter	3rd Quarter	4th Quarter
Manganese (Mn) 54	Ci			8.27E-06	4.53E-06
Iron (Fe) 55	Ci			1.67E-03	1.89E-03
Cobalt (Co) 58	Ci			2.85E-06	1.53E-02
Cobalt (Co) 60	Ci			2.79E-03	2.25E-03
Nickel (Ni) 63	Ci			5.52E-03	4.45E-03
Strontium (Sr) 85	Ci				1.03E-05
Strontium (Sr) 89	Ci			1.76E-05	
Antimony (Sb) 124	Ci				9.95E-04
ntimony (Sb) 125	Ci			5.22E-03	2.53E-03
Iodine (I) 131	Ci				2.25E-05
Cesium (Cs) 134	Ci			1.44E-03	6.62E-04
Cesium (Cs) 137	Ci			3.37E-03	1.34E-03
TOTAL FOR PERIOD		0.00E-00	0.00E-00	2.00E-02	2.94E-02

		CONTINU	OUS MODE	BAI	CH MODE
Nuclides	Unit	3rd Quarter	<u>4th Quarter</u>	<u>3rd Quarter</u>	<u>4th Ouarter</u>
Kenon (Xe) 131m	Ci			6.03E-04	3.12E-03
Kenon (Xe) 133	Ci			6.58E-02	4.91E-02
(rypton (Kr) 85	Ci				2.35E-03
TOTAL DISSOLVED AND	Ci	0.00E-00	0.00E-00	6.64E-02	5.46E-02
			0.001 00	0:014 02	<u> </u>

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EFFLUENT AND WASTE DISPOSAL

SEMI-ANNUAL REPORT

SOLID WASTE THIRD AND FOURTH QUARTERS, 1995

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# TABLE 3EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORTJuly 1 - December 31, 1995SOLID WASTE SHIPMENTS

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

			6 Month P	eriod		Est. Total
<u>1. Type</u>	of Waste	Unit	<u>Class A</u>	Class B	<u>Class C</u>	Error, %
a. Sp	pent resins, filter	m <sup>3</sup>	0	0	0	
	sludges, etc.	Ci	0	0	0	N/A
b. Di	ry compressible, contam.	m <sup>3</sup>	0	0	0	
	equipment for burial	Ci	0	0	_0_	N/A
c. I	rradiated Components	m <sup>3</sup>	0	0	0	
		<u>    Ci                                </u>		0	0	N/A
d. Ot	ther: Dry compressible,	m³	7.24E+01	0	0	
C	ontaminated equip. for	Ci	7.22E-02	0	0	±25
v	olume reduction at					
ot	ffsite facility					
2. Es	stimate of major nuclide	composi	tion (by ty	pe of wast	ce)	

NUCLIDE	UNIT	Dry Vol. Red. CLASS A
H-3	olo	0.1
C-14	olo	2.3
Mn-54	oło	1.6
Fe-55	olo	54.3
Co-58	8	2.8
Co-60	olo	28.1
Ni-59	00	0.2
Sb-125	olo	1.1
Cs-134	olo	1.9
Cs-137	olo	7.5
Pu-241	90	0.1

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

## 3. Solid Waste Disposition

4.

Number of Shipments	<u>Mode of Transport</u>	<b>Destination</b>
1	Truck	SEG, Oak Ridge TN:
		for volume reduction.
Containers Shipped		

		<u>Class A</u>		<u>Class B</u>	<u>C</u>	<u>lass C</u>
<u>Container</u>	Number	<u>Solid. Media</u>	Number	<u>Solid. Media</u>	<u>Number</u>	Solid Media
For Burial:						
Poly HIC	0	N/A	0	N/A	0	N/A
Drums	0	N/A	0	N/A	0	N/A
Steel Liner	- 0	N/A	0	N/A	0	N/A
Crates	0	N/A	0	N/A	0	N/A
For Volume						
<u>Reduction</u> :						
SeaLand Con	nt. 2	N/A	0	N/A	0	N/A

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Indian Point 3 EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT

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RADIOLOGICAL IMPACT ON MAN

(JANUARY - DECEMBER, 1995)

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#### 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 9 which utilizes the assumptions in egulatory Guide 1.109 and NUREG 0133.

These doses were calculated using radioactive releases from Indian Point #3 Nuclear Power Plant. Indian Point is a multi-unit site, with Unit 3 owned and operated by New York Power Authority. Consolidated Edison owns and operates Unit 2. Unit 1 is owned by Consolidated Edison but is being decommissioned (safe store status). Doses resulting from releases from Indian Point unit 2 are independently reported by Consolidated Edison.

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.

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# INDIAN POINT 3 NUCLEAR POWER PLANT RADIOLOGICAL IMPACT ON MAN JANUARY - DECEMBER 1995

Maximum exposed individual doses in mrem or mrad

# A. LIQUIDS

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	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Annual
Adult Bone mrem	5.11E-03	4.04E-03	6.40E-04	6.08E-04	1.04E-02
Demonstra 6 Timit	1 000 01				
Percent of Limit	1.02E-01	8.09E-02	1.28E-02	1.22E-02	1.04E-01
Adult Total Body mrem	4.12E-04	5.79E-04	3.49E-04	2.93E-04	1.63E-03
Percent of Limit	2.75E-02	3.86E-02	2.33E-02	1.95E-02	5.44E-02
note : The Adult Bone	was the cr	citical org	yan for liq	uid pathways	in 1995.

#### B. NOBLE GASES

	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Annual
Total Body mrem	0.00E+00	1.58E-08	3.49E-03	3.06E-05	3.52E-03
Percent of Limit	0.00E+00	1.27E-08	2.79E-03	2.45E-05	4.69E-04
Skin mrem	0.00E+00	3.91E-07	9.56E-03	9.33E-05	9.65E-03
Percent of Limit	0.00E+00	7.82E-08	1.91E-03	1.87E-05	3.22E-04
Gamma Air mrad	0.00E+00	1.68E-08	4.19E-03	3.69E-05	4.22E-03
Percent of Limit	0.00E+00	3.36E-07	8.37E-02	7.37E-04	4.22E-02
Beta Air mrad	0.00E+00	5.39E-07	1.66E-02	1.60E-04	1.67E-02
Percent of Limit	0.00E+00	5.39E-06	1.66E-01	1.60E-03	8.36E-02

## C. IODINES and PARTICULATES

Iodine/Part mrem	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Annual
	1.41E-05	1.67E-05	4.28E-03	1.69E-04	4.48E-03
age group	Infant	Infant	Infant	Infant	Infant
Critical Organ	Thyroid	Thyroid	Thyroid	Thyroid	Thyroid
Percent of Limit	1.88E-04	2.23E-04	5.70E-02	2.26E-03	2.99E-02

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EFFLUENT AND WASTE DISPOSAL

SEMI-ANNUAL REPORT

METEOROLOGICAL DATA

(JANUARY - DECEMBER, 1995)

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 1/ 1/ 0] TO [1995/ 3/31/23]

PASQUILL STABILITY: A

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	WIND SPEED	(MPH)						
WIND FROM	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	TOTAL
N	. 0	.0	10.0	18.0	.0	.0	. 0	28.0
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
Е	. 0	. 0	.0	. 0	. 0	.0	. 0	. 0
ESE	.0	.0	.0	. 0	.0	. 0	. 0	. 0
SE	.0	.0	3.0	. 0	. 0	. 0	.0	3.0
SSE	. 0	. 0	7.0	7.0	.0	.0	.0	14.0
S	. 0	. 0	5.0	1.0	.0	.0	. 0	6.0
SSW	. 0	.0	2.0	1.0	.0	.0	. 0	3.0
SW	.0	.0	3.0	. 0	.0	. 0	.0	3.0
WSW	. 0	. 0	1.0	. 0	.0	.0	.0	1.0
W	. 0	. 0	5.0	.0	. 0	.0	. 0	5.0
WNW	.0	.0	10.0	8.0	. 0	.0	. 0	18.0
NW	. 0	. 0	3.0	13.0	.0	. 0	. 0	16.0
NNW	. 0	. 0	9.0	21.0	.0	.0	. 0	30.0
TOTAL	. 0	.0	58.0	70.0	. 0	. 0	. 0	128.0

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

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 3 VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2157

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 1/ 1/ 0] TO [1995/ 3/31/23]

PASQUILL STABILITY: B

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	WIND SPEED	(MPH)						
WIND FROM	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	TOTAL
N	. 0	.0	8.0	7.0	. 0	. 0	. 0	15.0
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	1.0	.0	. 0	. 0	.0	1 0
SSE	. 0	. 0	5.0	3.0	.0	.0	. 0	, 8.0
S	.0	. 0	3.0	.0	. 0	.0	. 0	3.0
SSW	.0	. 0	5.0	1.0	.0	.0	.0	6.0
SW	.0	.0	1.0	. 0	.0	.0	. 0	1.0
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	8.0	6.0	4.0	.0	. 0	18.0
NW	.0	.0	10.0	7.0	. 0	. 0	. 0	17.0
NNW	. 0	. 0	5.0	3.0	.0	.0	. 0	8.0
TOTAL	. 0	.0	50.0	29.0	4.0	. 0	. 0	83.0

DATA MEASUREMENT HEI	GHT (M ABOVE GRADE)	10.00
TEMPERATURE SENSOR S	EPARATION (METERS)	50.90
MISSING OBS. DURING	THIS PERIOD (ALL STABILITIES)	3
VALID OBSER. DURING	THIS PERIOD (ALL STABILITIES)	2157

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1995

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BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 1/ 1/ 0] TO [1995/ 3/31/23]

PASQUILL STABILITY: C

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CALMO	.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	momar
CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
. 0	1.0	11.0	3.0	.0	. 0	.0	15.0
. 0	. 0	4.0	3.0	. 0	.0	. 0	7.0
. 0	. 0	1.0	. 0	.0	.0	. 0	1.0
. 0	.0	.0	. 0	.0	.0	. 0	. 0
. 0	.0	. 0	. 0	. 0	.0	. 0	. 0
. 0	.0	.0	. 0	. 0	.0	. 0	. 0
.0	.0	1.0	. 0	.0	.0	.0	1.0
. 0	.0	9.0	3.0	. 0	.0	. 0	12.0
.0	. 0	5.0	2.0	. 0	.0	. 0	7.0
.0	. 0	3.0	. 0	. 0	. 0	. 0	3.0
.0	. 0	3.0	1.0	. 0	. 0	. 0	4.0
. 0	.0	2.0	1.0	.0	. 0	.0	3.0
.0	.0	1.0	. 0	. 0	.0	. 0	1.0
. 0	.0	9.0	8.0	2.0	.0	. 0	19.0
. 0	.0	8.0	8.0	. 0	.0	. 0	16.0
. 0	.0	4.0	4.0	.0	.0	.0	8.0
.0	1.0	61.0	33.0	2.0	. 0	.0	97.0
	CALMS	.60 - CALMS 3.50 .0 1.0 .0 .0 .0 .0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				

WIND SPEED (MPH)

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	10.00
TEMPERATURE SENSOR SEPARATION (METERS)	50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	3

VALID OBSER. DURING THIS PERIOD (ALL STABILITIES) 2157

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 1/ 1/ 0] TO [1995/ 3/31/23]

PASQUILL STABILITY: D

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	WIND SPEED	(MPH)						
WIND		.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	. 0	2.0	93.0	40.0	2.0	.0	.0	137.0
NNE	. 0	33.0	79.0	71.0	2.0	.0	.0	185.0
NE	. 0	42.0	36.0	. 0	.0	.0	.0	78.0
ENE	. 0	42.0	10.0	. 0	. 0	.0	. 0	52.0
Е	. 0	14.0	1.0	. 0	. 0	.0	. 0	15.0
ESE	. 0	11.0	3.0	. 0	. 0	.0	. 0	14.0
SE	.0	7.0	12.0	.0	.0	.0	. 0	19.0
SSE	. 0	4.0	50.0	9.0	. 0	. 0	. 0	63.0
S	. 0	. 0	47.0	18.0	.0	.0	. 0	65.0
SSW	. 0	.0	22.0	4.0	.0	. 0	. 0	26.0
SW	.0	.0	8.0	. 0	. 0	. 0	.0	8.0
WSW	. 0	1.0	11.0	1.0	.0	. 0	. 0	13.0
W	. 0	. 0	22.0	4.0	. 0	. 0	.0	26.0
WNW	.0	1.0	48.0	50.0	1.0	.0	.0	100.0
NW	.0	1.0	64.0	58.0	1.0	. 0	. 0	124.0
NNW	. 0	3.0	93.0	39.0	. 0	.0	.0	135.0
TOTAL	. 0	161.0	599.0	294.0	6.0	. 0	. 0	1060.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) 10.00 TEMPERATURE SENSOR SEPARATION (METERS) 50.90 MISSING OBS. DURING THIS PERIOD (ALL STABILITIES) 3

MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)3VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)2157





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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 1/ 1/ 0] TO [1995/ 3/31/23]

PASQUILL STABILITY: E

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	WIND SPEED	(MPH)						
WIND		.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	. 0	4.0	18.0	10.0	.0	.0	. 0	32.0
NNE	. 0	12.0	58.0	8.0	.0	.0	.0	78.0
NE	. 0	89.0	27.0	.0.	.0	. 0	. 0	116.0
ENE	.0	92.0	.0	. 0	. 0	. 0	. 0	92.0
Е	.0	41.0	.0	. 0	.0	. 0	. 0	41.0
ESE	.0	34.0	.0	. 0	.0	.0	. 0	34.0
SE	. 0	15.0	9.0	. 0	. 0	. 0	. 0	24.0
SSE	.0	2.0	70.0	15.0	4.0	. 0	. 0	91.0
S	.0	. 0	26.0	4.0	1.0	. 0	. 0	31.0
SSW	. 0	.0	3.0	. 0	. 0	.0	. 0	3.0
SW	. 0	.0	2.0	1.0	. 0	.0	. 0	3.0
WSW	.0	. 0	5.0	. 0	. 0	. 0	. 0	5.0
W	.0	. 0	6.0	1.0	. 0	.0	. 0	7.0
WNW	. 0	. 0	4.0	5.0	. 0	. 0	.0	9.0
NW	.0	4.0	2.0	. 0	. 0	. 0	.0	6.0
NNW	. 0	1.0	15.0	3.0	.0	.0	. 0	19.0
TOTAL	.0	294.0	245.0	47.0	5.0	. 0	.0	591.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) TEMPERATURE SENSOR SEPARATION (METERS)					
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	3				
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2157				





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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1995

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BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 1/ 1/ 0] TO [1995/ 3/31/23]

PASQUILL STABILITY: F

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	WIND SPEED	(MPH)						
WIND FROM	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	TOTAL
N	. 0	.0	.0	2.0	2.0	. 0	.0	4.0
NNÉ	. 0	1.0	4.0	. 0	.0	. 0	. 0	5.0
NE	. 0	74.0	24.0	. 0	. 0	. 0	. 0	98.0
ENE	. 0	25.0	.0	. 0	.0	. 0	.0	25.0
E	.0	11.0	.0	. 0	.0	. 0	. 0	11.0
ESE	. 0	7.0	.0	. 0	. 0	.0	. 0	7.0
SE	.0	5.0	.0	.0	.0	.0	. 0	5.0
SSE	.0	. 0	3.0	.0	.0	.0	. 0	3.0
S	. 0	. 0	2.0	. 0	.0	. 0	.0	20
SSW	.0	. 0	1.0	. 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	.0	1.0	. 0	. 0	.0	. 0	1.0
NNW	.0	.0	. 0	.0	.0	.0	.0	. 0
TOTAL	. 0	123.0	35.0	2.0	2.0	. 0	. 0	162.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) IEMPERATURE SENSOR SEPARATION (METERS)	10.00 50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	3
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2157



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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 1/ 1/ 0] TO [1995/ 3/31/23]

PASQUILL STABILITY: G

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	WIND SPEE							
WIND		.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
			- <b></b> -					
N	. 0	.0	.0	1.0	. 0	. 0	<b>.</b> 0 <sup>.</sup>	1.0
NNE	. 0	6.0	1.0	.0	. 0	. 0	. 0	7.0
NE	. 0	13.0	8.0	. 0	.0	.0	. 0	21.0
ENE	.0	4.0	2.0	.0	.0	.0	. 0	6.0
Е	. 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	. 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	24.0	11.0	1.0	. 0	. 0	. 0	36.0

WIND SPEED (MPH)

DATA MEASUREM	ENT HEIGHT (	M ABOVE GRAI	DE)	10.00
TEMPERATURE S	ENSOR SEPARA	TION (METERS	5)	50.90
MISSING OBS.	DURING THIS	PERIOD (ALL	STABILITIES)	3
VALID OBSER.	DURING THIS	PERIOD (ALL	STABILITIES)	2157

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JAN/FEB/MAR 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 1/ 1/ 0] TO [1995/ 3/31/23]

PASQUILL STABILITY: ALL

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	WIND SPEED	(MPH)						
WIND		.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	.0	7.0	140.0	81.0	4.0	. 0	.0	232.0
NNE	.0	52.0	146.0	83.0	2.0	. 0	. 0	283.0
NE	.0	218.0	96.0	. 0	.0	. 0	. 0	314.0
ENE	. 0	163.0	12.0	. 0	.0	·. 0	. 0	175.0
Е	.0	66.0	1.0	.0	.0	.0	. 0	67.0
ESE	.0	53.0	3.0	. 0	. 0	. 0	. 0	56.0
SE	. 0	27.0	26.0	.0	. 0	. 0	.0	53.0
SSE	. 0	6.0	144.0	37.0	4.0	. 0	.0	191.0
S	. 0	. 0	88.0	25.0	) 1.0	.0	. 0	114.0
SSW	. 0	.0	36.0	6.0	. 0	. 0	. 0	42.0
SW	.0	. 0	17.0	2.0	. 0	.0	. 0	19.0
WSW	.0	1.0	20.0	2.0	. 0	. 0	. 0	23.0
W	.0	. 0	37.0	7.0	. 0	. 0	.0	44.0
WNW	.0	1.0	79.0	77.0	7.0	. 0	. 0	164.0
NW	. 0	5.0	88.0	86.0	1.0	. 0	. 0	180.0
NNW	.0	4.0	126.0	70.0	.0	.0	. 0	200.0
TOTAL	.0	603.0	1059.0	476.0	19.0	. 0	. 0	2157.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	10.00
TEMPERATURE SENSOR SEPARATION (METERS)	50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	3
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2157

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 4/ 1/ 0] TO [1995/ 6/30/23]

PASQUILL STABILITY: A

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*	WIND SPEED	(MPH)						
WIND FROM	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	TOTAL
N	. 0	1.0	28.0	15.0	1.0	. 0	. 0	45.0
NNE	.0	.0	3.0	3.0	.0	. 0	. 0	6.0
NE	.0	1.0	1.0	. 0	. 0	. 0	. 0	2.0
ENE	. 0	1.0	.0	.0	. 0	. 0	. 0	1.0
Е	. 0	2.0	3.0	. 0	.0	. 0	. 0	5.0
ESE	. 0	. 0	3.0	.0	.0	.0	. 0	3.0
SE	. 0	. 0	3.0	.0	.0	. 0	. 0	3.0
SSE	. 0	2.0	37.0	16.0	.0	.0	. 0	55.0
S	. 0	1.0	24.0	10.0	.0	. 0	. 0	35.0
SSW	.0	.0	11.0	2.0	.0	. 0	. 0	13.0
SW	.0	.0	6.0	1.0	.0	. 0	. 0	7.0
WSW	. 0	.0	6.0	. 0	. 0	. 0	. 0	6.0
W	. 0	1.0	4.0	1.0	. 0	.0	. 0	6.0
WNW	.0	.0	14.0	6.0	1.0	.0	. 0	21.0
NW	.0	.0	18.0	25.0	3.0	. 0	. 0	46.0
NNW	.0	.0	21.0	12.0	.0	.0	.0	33.0
TOTAL	.0	9.0	182.0	91.0	5.0	. 0	. 0	287.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	10.00
TEMPERATURE SENSOR SEPARATION (METERS)	50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES	3) 39
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES	3) 2145

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 4/ 1/ 0] TO [1995/ 6/30/23]

PASQUILL STABILITY: B

	WIND SPEED	(MPH)						
WIND FROM	CALMS	.60 - 3.50	3.50 - 7.50	 7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	TOTAL
N	0	1 0	27.0	6.0	1 0	0	0	
	.0	1.0	27.0	6.0	1.0	.0	.0	35.0
NNE	.0	1.0	10.0	7.0	. 0	.0	. 0	18.0
NE	.0	.0	1.0	.0	.0	.0	.0	1.0
ENE	.0	.0	1.0	.0	. 0	.0	. 0	1.0
Е	. 0	. 0	1 0	0	0	0	0	1 0
ESE	0	1 0	2.0		.•	. •	.0	2.0
CE.	.0	1.0	2.0	. 0	.0	.0	.0	3.0
201	.0	1.0	3.0	.0	.0	.0	.0	4.0
SSE	.0	1.0	9.0	2.0	. 0	.0	. 0	12.0
S	. 0	.0	20.0	6.0	.0	.0	.0	26.0
SSW	.0	. 0	1.0	1.0	.0	. 0	.0	2.0
SW	. 0	.0	2.0	. 0	. 0	. 0	. 0	2.0
WSW	. 0	1.0	.0	.0	1.0	. 0	.0	2.0
W	. 0	. 0	0	0	0	0	0	0
WNW	.0		.0	.0	.0	.0	.0	.0
NTW	.0	.0	.0	.0	.0	.0	.0	.0
IN W	.0	.0	2.0	4.0	.0	.0	.0	6.0
MUN	.0	.0	4.0	2.0	.0	. 0	.0	6.0
TOTAL	.0	6.0	83.0	28.0	2.0	.0	.0	119.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) TEMPERATURE SENSOR SEPARATION (METERS)	10.00 50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	39
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2145

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





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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 4/ 1/ 0] TO [1995/ 6/30/23]

PASQUILL STABILITY: C

	WIND SPEED	) (MPH)						
WIND		.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	. 0	. 0	9.0	. 0	.0	.0	.0	9.0
NNE	. 0	1.0	24.0	5.0	.0	. 0	.0	30.0
NE	. 0	. 0	. 0	. 0	.0	.0	.0	. 0
ENE	. 0	2.0	.0	•. 0	. 0	. 0	. 0	2.0
Е	.0	1.0	1.0	. 0	. 0	.0	. 0	2.0
ESE	. 0	1.0	2.0	.0	. 0	.0	. 0	3.0
SE	.0	3.0	2.0	. 0	. 0	. 0	. 0	5.0
SSE	.0	1.0	10.0	2.0	. 0	.0	. 0	13.0
S	.0	2.0	11.0	2.0	2.0	. 0	. 0	17.0
SSW	. 0	1.0	2.0	1.0	. 0	.0	.0	4.0
SW	. 0	.0	1.0	. 0	. 0	.0	. 0	1.0
WSW	.0	.0	.0	. 0	. 0	. 0	.0	. 0
W	. 0	.0	1.0	.0	.0	.0	. 0	1.0
WNW	. 0	.0	1.0	1.0	. 0	.0	. 0	2.0
NW	. 0	.0	4.0	2.0	1.0	. 0	. 0	7.0
NNW	.0	. 0	9.0	2.0	.0	. 0	. 0	11.0
TOTAL	.0	12.0	77.0	15.0	3.0	.0	.0	107.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	10.00
TEMPERATURE SENSOR SEPARATION (METERS)	50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	39
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2145

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



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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 4/ 1/ 0] TO [1995/ 6/30/23]

PASQUILL STABILITY: D

	WIND SPEED	(MPH)						
WIND		.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	.0	6.0	71.0	5.0	2.0	.0	. 0	84.0
NNE	.0	27.0	123.0	44.0	1.0	.0	. 0	195.0
NE	. 0	47.0	36.0	.0	. 0	.0	. 0	83.0
ENE	.0	51.0	3.0	.0	. 0	.0	. 0	54.0
Е	. 0	24.0	2.0	.0	. 0	. 0	.0	26.0
ESE	.0	13.0	. 0	. 0	. 0	. 0	.0	13.0
SE	. 0	15.0	8.0	. 0	. 0	.0	. 0	23.0
SSE	.0	7.0	70.0	19.0	1.0	.0	. 0	97.0
S	.0	3.0	30.0	10.0	. 0	.0	.0	43.0
SSW	. 0	2.0	10.0	2.0	.0	. 0	.0	14.0
SW	.0	1.0	1.0	.0	.0	. 0	.0	2.0
WSW	.0	2.0	1.0	. 0	.0	.0	.0	3.0
W	.0	. 0	1.0	.0	. 0	.0	. 0	1.0
WNW	. 0	2.0	7.0	8.0	.0	.0	. 0	17.0
NW	. 0	.0	23.0	17.0	3.0	. 0	.0	43.0
NNW	.0	2.0	37.0	15.0	. 0	. 0	. 0	54.0
TOTAL	. 0	202.0	423.0	120.0	7.0	. 0	. 0	752.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) TEMPERATURE SENSOR SEPARATION (METERS)	10.00 50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	39
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2145

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





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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 4/ 1/ 0] TO [1995/ 6/30/23]

PASQUILL STABILITY: E

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	WIND SPEED	(MPH)						
WIND		.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	. 0	14.0	28.0	3.0	. 0	.0	. 0	45.0
NNE	.0	32.0	82.0	4.0	.0	.0	. 0	118.0
NE	. 0	140.0	45.0	. 0	. 0	.0	. 0	185.0
ENE	. 0	85.0	2.0	.0	.0	.0	.0	87.0
Е	. 0	35.0	.0	. 0	. 0	. 0	. 0	35.0
ESE	. 0	25.0	.0	. 0	.0	.0	. 0	25.0
SE	.0	26.0	3.0	. 0	. 0	.0	. 0	29.0
SSE	. 0	9.0	32.0	3.0	. 0	. 0	. 0	44.0
S	. 0	2.0	25.0	13.0	. 0	.0	. 0	40.0
SSW	.0	.0	5.0	5.0	. 0	. 0	. 0	10.0
SW	.0	.0	.0	.0	. 0	. 0	. 0	.0
WSW	. 0	. 0	2.0	.0	. 0	.0	. 0	2.0
W	. 0	2.0	1.0	1.0	. 0	. 0	. 0	4.0
WNW	. 0	2.0	2.0	2.0	.0	.0	. 0	6.0
NW	. 0	. 0	4.0	.0	. 0	. 0	. 0	4.0
NNW	. 0	2.0	15.0	5.0	. 0	. 0	.0	22.0
TOTAL	. 0	374.0	246.0	36.0	.0	. 0	.0	656.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	10.00
TEMPERATURE SENSOR SEPARATION (METERS)	50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	39
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2145



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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 4/ 1/ 0] TO [1995/ 6/30/23]

PASQUILL STABILITY: F

	WIND SPEED	(MPH)						
WIND		.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	.0	1.0	1.0	.0	.0	.0	.0	2.0
NNE	.0	28.0	15.0	. 0	.0	. 0	. 0	43.0
NE	. 0	87.0	19.0	.0	. 0	. 0	. 0	106.0
ENE	. 0	12.0	1.0	. 0	. 0	.0	.0	13.0
Е	. 0	7.0	. 0	.0	. 0	.0	.0	7.0
ESE	. 0	6.0	.0	. 0	. 0	.0	. 0	6.0
SE	. 0	5.0	.0	.0	. 0	.0	.0	5.0
SSE	. 0	. 0	2.0	. 0	. 0	.0	.0	2.0
S	. 0	. 0	2.0	. 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	. 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	146.0	40.0	.0	.0	.0	.0	186.0

WIND	SPEED	(MPH)

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) TEMPERATURE SENSOR SEDARATION (METERS)				
MIGGING ODG		DEDIOD (ALL		50.90
MISSING OBS.	DURING THIS	PERIOD (ALL	STABILITIES)	39
VALID OBSER.	DURING THIS	PERIOD (ALL	STABILITIES)	2145

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



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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 4/ 1/ 0] TO [1995/ 6/30/23]

PASQUILL STABILITY: G

	WIND SPEED	(MPH)						
WIND FROM	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	TOTAL
N	. 0	. 0	.0	.0	. 0	. 0	. 0	. 0
NNE	. 0	12.0	2.0	.0	.0	. 0	. 0	14.0
NE	. 0	13.0	4.0	.0	.0	. 0	. 0	17.0
ENE	. 0	5.0	.0	.0	.0	.0	. 0	5.0
Е	. 0	2.0	.0	.0	.0	. 0	. 0	2.0
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	32.0	6.0	. 0	.0	. 0	. 0	38.0

DATA MEASUREM	IENT HEIGHT	(M ABOVE GRA	DE)	10.00
TEMPERATURE S	ENSOR SEPARA	ATION (METER	S)	50.90
MISSING OBS.	DURING THIS	PERIOD (ALL	STABILITIES)	39
VALID OBSER.	DURING THIS	PERIOD (ALL	STABILITIES)	2145

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



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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - APR/MAY/JUN 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 4/ 1/ 0] TO [1995/ 6/30/23]

PASQUILL STABILITY: ALL

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	WIND SPEE	D (MPH)						
WIND FROM	CALMS	.60 - 3.50	3.50 - 7.50	7.50 - 12.50	12.50 - 18.50	18.50 - 24.00	24.00 - 80.00	TOTAL
N	.0	23.0	164.0	29.0	4.0	. 0	. 0	220.0
NNE	. 0	101.0	259.0	63.0	1.0	.0	.0	424.0
NE	. 0	288.0	106.0	. 0	.0	.0	.0	394.0
ENE	. 0	156.0	7.0	. 0	.0	.0	. 0	163.0
Е	.0	71.0	7.0	. 0	.0	.0	.0	78.0
ESE	. 0	46.0	7.0	.0	. 0	. 0	. 0	53.0
SE	.0	50.0	19.0	.0	. 0	. 0	·.0	69.0
SSE	. 0	20.0	160.0	42.0	1.0	. 0	. 0	223.0
S	.0	8.0	112.0	41.0	2.0	.0	. 0	163.0
SSW	. 0	3.0	29.0	11.0	. 0	.0	. 0	43.0
SW	.0	1.0	10.0	1.0	. 0	.0	. 0	12.0
WSW	.0	3.0	9.0	.0	1.0	.0	. 0	13.0
W	. 0	3.0	7.0	2.0	.0	.0	. 0	12.0
WNW	. 0	4.0	24.0	17.0	1.0	. 0	.0	. 46.0
NW	. 0	.0	51.0	48.0	7.0	.0	. 0	106.0
NNW	.0	4.0	86.0	36.0	.0	.0	. 0	126.0
TOTAL	. 0	781.0	1057.0	290.0	17.0	.0	. 0	2145.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE)	10.00
TEMPERATURE SENSOR SEPARATION (METERS)	50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	39
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2145

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 7/ 1/ 0] TO [1995/ 9/30/23]

PASQUILL STABILITY: A

.

	WIND SPE	ED (MPH)						
WIND FROM	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	TOTAL
N	0.0	1.0	48.0	9.0	0.0	0.0	0.0	58.0
NNE	0.0	2.0	39.0	29.0	0.0	0.0	0.0	70.0
NE	0.0	4.0	6.0	2.0	0.0	0.0	0.0	12.0
ENE	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
Е	0.0	0.0	3.0	0 0	0 0	0 0	0 0	3 0
ESE	0.0	1.0	6.0	0.0	0.0	0.0	0.0	7 0
SE	0.0	6.0	8.0	0.0	0.0	0.0	0.0	14 0
SSE	0.0	21.0	87.0	1.0	0.0	0.0	0.0	109.0
S	0.0	12.0	114.0	4.0	0.0	0.0	0.0	130 0
SSW	0.0	2.0	32.0	9.0	0.0	0.0	0.0	43.0
SW	0.0	2.0	25.0	0.0	0.0	0.0	0.0	27.0
WSW	0.0	2.0	19.0	0.0	0.0	0.0	0.0	21.0
W	0.0	1.0	7.0	0.0	0.0	0.0	0.0	8.0
WNW	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
NW	0.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0
NNW	0.0	2.0	16.0	1.0	0.0	0.0	0.0	19.0
TOTAL	0.0	56.0	424.0	55.0	0.0	0.0	0.0	535.0

DATA MEASUREMENT HEIGHT (M ABOVE GRADE) TEMPERATURE SENSOR SEPARATION (METERS)	10.00 50.90
MISSING OBS. DURING THIS PERIOD (ALL STABILITIES)	0
VALID OBSER. DURING THIS PERIOD (ALL STABILITIES)	2208





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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1995

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BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 7/ 1/ 0] TO [1995/ 9/30/23]

PASQUILL STABILITY: B

	WIND SPE	ED (MPH)						
WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	0.0	1.0	9.0	0.0	0.0	0.0	0.0	10.0
NNE	0.0	1.0	15.0	9.0	0.0	0.0	0.0	25.0
NE	0.0	0.0	9.0	1.0	0.0	0.0	0.0	10.0
ENE	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
Е	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
ESE	0.0	2.0	0.0	0.0	0.0	0.0	.0.0	2.0
SE	0.0	3.0	1.0	0.0	0.0	0.0	0.0	4.0
SSE	0.0	16.0	11.0	0.0	0.0	0.0	0.0	27.0
S	0.0	7.0	14.0	2.0	0.0	0.0	0.0	23.0
SSW	0.0	2.0	4.0	0.0	0.0	0.0	0.0	6.0
SW	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
WSW	0.0	1.0	0.0	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	1.0	0.0	0.0	0.0	0.0	1.0
NNW	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
TOTAL	0.0	37.0	69.0	12.0	0.0	0.0	0.0	118.0

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





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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 7/ 1/ 0] TO [1995/ 9/30/23]

PASQUILL STABILITY: C

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	WIND SPE	(MPN)						
WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	0.0	0.0	7.0	1.0	0.0	0.0	0.0	8.0
NNE	0.0	3.0	17.0	5.0	0.0	0.0	0.0	25.0
NE	0.0	5.0	4.0	1.0	0.0	0.0	0.0	10.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	. 0.0	0.0
Е	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
ESE	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
SE	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
SSE	0.0	6.0	8.0	0.0	0.0	0.0	0.0	14.0
S	0.0	9.0	12.0	0.0	0.0	0.0	0.0	21.0
SSW	0.0	2.0	8.0	2.0	0.0	0.0	0.0	12.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
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	33.0	59.0	9.0	0.0	0.0	0.0	101.0

WIND SPEED (MPH)

DATA MEASURE	MENT HEIGHT	(M ABOVE GRA	DE)	10.00
TEMPERATURE S	SENSOR SEPAR	ATION (METER	S)	50.90
MISSING OBS	DURING THIS	PERTOD (ALL	GUNBILITTER)	0
MIDDING ODD.	DOKING IIID	FERIOD (ADD	STADIDITIES/	U
VALID OBSER.	DURING THIS	PERIOD (ALL	STABILITIES)	2208

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 7/ 1/ 0] TO [1995/ 9/30/23]

PASQUILL STABILITY: D

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	WIND SPE	ED (MPH)						
WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	0.0	3.0	45.0	4.0	0.0	0.0	0.0	52.0
NNE	0.0	9.0	86.0	35.0	3.0	0.0	0.0	133.0
NE	0.0	27.0	47.0	4.0	0.0	0.0	0.0	78.0
ENE	0.0	23.0	7.0	0.0	0.0	0.0	0.0	30.0
Е	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
ESE	0.0	9.0	0.0	0.0	0.0	0.0	0.0	9.0
SE	0.0	23.0	1.0	0.0	0.0	0.0	0.0	24.0
SSE	0.0	17.0	37.0	0.0	0.0	0.0	0.0	54.0
S	0.0	10.0	48.0	9.0	0.0	0.0	0.0	67.0
SSW	0.0	9.0	17.0	2.0	0.0	0.0	0.0	28.0
SW	0.0	3.0	2.0	0.0	0.0	0.0	0.0	5.0
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	1.0	0.0	0.0	0.0	0.0	1.0
NW	0.0	1.0	2.0	0.0	0.0	0.0	0.0	3.0
NNW	0.0	1.0	4.0	0.0	0.0	0.0	0.0	5.0
TOTAL	0.0	145.0	299.0	54.0	3.0	0.0	0.0	501.0

DATA MEASUREMENT HEIGH	T (M ABOVE GRADE) 10.00	)
TEMPERATURE SENSOR SEP	ARATION (METERS) 50.90	)
MISSING OBS. DURING TH	IS PERIOD (ALL STABILITIES) 0	)
VALID OBSER. DURING TH	IS PERIOD (ALL STABILITIES) 2208	3

INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 7/ 1/ 0] TO [1995/ 9/30/23]

PASQUILL STABILITY: E

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	WIND SPE	ED (MPH)						
WIND FROM	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	TOTAL
N	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0
NNE	0.0	26.0	74.0	2.0	0.0	0.0	0.0	102.0
NE	0.0	74.0	86.0	0.0	0.0	0.0	0.0	160.0
ENE	0.0	72.0	4.0	0.0	0.0	0.0	0.0	76.0
E	0.0	44 0	0 0	0 0	0 0	0.0	0 0	44 0
ESE	0.0	68.0	1.0	0.0	0.0	0 0	0.0	69 0
SE	0.0	63.0	0.0	0.0	0.0	0.0	0.0	63.0
SSE	0.0	47.0	10.0	0.0	0.0	0.0	0.0	57.0
S	0.0	39.0	73.0	4.0	0.0	0.0	0.0	116.0
SSW	0.0	20.0	31.0	0.0	0.0	0.0	0.0	51.0
SW	0.0	5.0	1.0	0.0	0.0	0.0	0.0	6.0
WSW	0.0	1.0	2.0	0.0	0.0	0.0	0.0	3.0
W	0.0	2.0	4.0	0.0	0.0	0.0	0.0	6.0
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	1.0	5.0	0.0	0.0	0.0	0.0	6.0
TOTAL	0.0	462.0	302.0	6.0	0.0	0.0	0.0	770.0

DATA MEASUREN	MENT HEIGHT	(M ABOVE GR.	ADE)	10.00
TEMPERATURE S	SENSOR SEPARA	ATION (METE	RS)	50.90
MISSING OBS.	DURING THIS	PERIOD (AL	L STABILITIES)	0
VALID OBSER.	DURING THIS	PERIOD (AL	L STABILITIES)	2208



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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 7/ 1/ 0] TO [1995/ 9/30/23]

PASQUILL STABILITY: F

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	WIND SPE	ED (MPH)						
WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
NNE	0.0	25.0	17.0	0.0	0.0	0.0	0.0	42.0
NE	0.0	37.0	33.0	2.0	0.0	0.0	0.0	72.0
ENE	0.0	17.0	0.0	0.0	0.0	0.0	0.0	17.0
Е	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
ESE	0.0	7.0	0.0	0.0	0.0	0.0	0.0	7.0
SE	0.0	8.0	0.0	0.0	0.0	0.0	0.0	8.0
SSE	0.0	6.0	1.0	0.0	0.0	0.0	0.0	7.0
S	0.0	7.0	0.0	0.0	0.0	0.0	0.0	7.0
SSW	0.0	3.0	0.0	0.0	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	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	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	123.0	52.0	2.0	0.0	0.0	0.0	177.0

DATA MEASUREN	IENT HEIGHT	(M ABOVE GRAI	DE)	10.00
TEMPERATURE S	SENSOR SEPAR	ATION (METERS	5)	50.90
MISSING OBS.	DURING THIS	PERIOD (ALL	STABILITIES)	0
VALID OBSER.	DURING THIS	PERIOD (ALL	STABILITIES)	2208





INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 7/ 1/ 0] TO [1995/ 9/30/23]

PASQUILL STABILITY: G

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WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -		
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL	
<del>-</del>									
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NNE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	
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	
Е	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	3.0	3.0	0.0	0.0	0.0	0.0	6.0	

	<u> </u>	(34577)
WIND	SPEED	(MPH)

DATA MEASUREN	MENT HEIGHT	(M ABOVE GRA	DE)	10.00
TEMPERATURE S	SENSOR SEPAR	ATION (METER	S)	50.90
MISSING OBS.	DURING THIS	PERIOD (ALL	STABILITIES)	0
VALID OBSER.	DURING THIS	PERIOD (ALL	STABILITIES)	2208



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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - JUL/AUG/SEP 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/ 7/ 1/ 0] TO [1995/ 9/30/23]

PASQUILL STABILITY: ALL

	WIND SPEED (MPH)								
WIND FROM	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	TOTAL	
N	0.0	6.0	116.0	14.0	0.0	0.0	0.0	136.0	
NNE	0.0	67.0	248.0	80.0	3.0	0.0	0.0	398.0	
NE	0.0	149.0	188.0	10.0	0.0	0.0	0.0	347.0	
ENE	0.0	112.0	16.0	0.0	0.0	0.0	0.0	128.0	
E	0.0	68.0	3.0	0.0	0.0	0.0	0.0	71.0	
ESE	0.0	89.0	7.0	0.0	0.0	0.0	0.0	96.0	
SE	0.0	106.0	10.0	0.0	0.0	0.0	0.0	116.0	
SSE	0.0	113.0	154.0	1.0	0.0	0.0	0.0	268.0	
S	0.0	84.0	261.0	19.0	0.0	0.0	0.0	364.0	
SSW	0.0	38.0	92.0	13.0	0.0	0.0	0.0	143.0	
SW	0.0	13.0	30.0	0.0	0.0	0.0	0.0	43.0	
WSW	0.0	5.0	21.0	0.0	0.0	0.0	0.0	26.0	
W	0.0	4.0	13.0	0.0	0.0	0.0	0.0	17.0	
WNW	0.0	0.0	8.0	0.0	0.0	0.0	0.0	8.0	
NW	0.0	1.0	14.0	0.0	0.0	0.0	0.0	15.0	
NNW	0.0	4.0	27.0	1.0	0.0	0.0	0.0	32.0	
TOTAL	0.0	859.0	1208.0	138.0	3.0	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.





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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/10/ 1/ 0] TO [1995/12/31/23]

PASQUILL STABILITY: A

	WIND SPE	ED (MPH)						
WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
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	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	3.0	9.0	2.0	0.0	0.0	0.0	14.0
S	0.0	5.0	14.0	5.0	1.0	0.0	0.0	25.0
SSW	0.0	1.0	3.0	1.0	0.0	0.0	0.0	5.0
SW	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0
WSW	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
W	0.0	0.0	7.0	3.0	0.0	0.0	0.0	10.0
WNW	0.0	0.0	15.0	5.0	0.0	0.0	0.0	20.0
NW	0.0	0.0	12.0	7.0	0.0	0.0	0.0	19.0
NNW	0.0	0.0	14.0	1.0	0.0	0.0	0.0	15.0
TOTAL	0.0	10.0	92.0	24.0	1.0	0.0	0.0	127.0

DATA MEASUREN	MENT HEIGHT	(M ABOVE GRA	DE)	10.00
TEMPERATURE S	SENSOR SEPAR	ATION (METER	S)	50.90
MISSING OBS.	DURING THIS	PERIOD (ALL	STABILITIES)	2
VALID OBSER.	DURING THIS	PERIOD (ALL	STABILITIES)	2206



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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/10/ 1/ 0] TO [1995/12/31/23]

PASQUILL STABILITY: B

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WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.2	2.0	0.0	0.0	0.0	0.0	0.0	2.2
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	2.0	0.0	0.0	0.0	0.0	2.0
SE	0.1	1.0	0.0	0.0	0.0	0.0	0.0	1.1
SSE	0.2	2.0	4.0	1.0	0.0	0.0	0.0	7.2
S	0.3	3.0	11.0	4.0	0.0	0.0	0.0	18.3
SSW	0.1	1.0	3.0	0.0	0.0	0.0	0.0	4.1
SW	0.1	1.0	1.0	0.0	0.0	0.0	0.0	2.1
WSW	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
W	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0
WNW	0.0	0.0	5.0	2.0	0.0	0.0	0.0	7.0
NW	0.1	1.0	5.0	5.0	0.0	0.0	0.0	11.1
NNW	0.0	0.0	4.0	3.0	0.0	0.0	0.0	7.0
TOTAL	1.0	11.0	44.0	15.0	0.0	0.0	0.0	71.0

WIND SPEED (MPH)

DATA MEASUREN	MENT HEIGHT	(M ABOVE GRAD	)E)	10.00
TEMPERATURE S	SENSOR SEPAR	ATION (METERS	;)	50.90
MISSING OBS.	DURING THIS	PERIOD (ALL	STABILITIES)	2
VALID OBSER.	DURING THIS	PERIOD (ALL	STABILITIES)	2206

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/10/ 1/ 0] TO [1995/12/31/23]

PASQUILL STABILITY: C

WIND SPEED (MPH)								
WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0
NE	0.1	1.0	0.0	0.0	0.0	0.0	0.0	1.1
ENE	0.1	1.0	0.0	0.0	0.0	0.0	0.0	1.1
Е	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	0.1	1.0	0.0	0.0	0.0	0.0	0.0	1.1
SSE	0.4	4.0	2.0	0.0	0.0	0.0	0.0	6.4
S	0.2	2.0	8.0	5.0	0.0	0.0	0.0	15.2
SSW	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0
SW	0.1	1.0	0.0	0.0	0.0	0.0	0.0	1.1
WSW	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
W	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0
WNW	0.0	0.0	7.0	9.0	0.0	0.0	0.0	16.0
NW	0.0	0.0	6.0	4.0	0.0	0.0	0.0	10.0
NNW	0.0	0.0	2.0	1.0	0.0	0.0	0.0	3.0
TOTAL	1.0	10.0	37.0	21.0	0.0	0.0	0.0	69.0

DATA MEASUREMENT	r height (m abovi	E GRADE)	10.00
TEMPERATURE SENS	SOR SEPARATION (N	METERS)	50.90
MISSING OBS. DUR	NING THIS PERIOD	(ALL STABILITIES)	2
VALID OBSER. DUB	RING 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.





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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/10/ 1/ 0] TO [1995/12/31/23]

PASQUILL STABILITY: D

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	WIND SPEED	(MPH)						
WIND FROM	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	TOTAL
N	0.3	3.0	77.0	47.0	9.0	0.0	0.0	136.3
NNE	1.0	10.0	76.0	24.0	1.0	0.0	0.0	112.0
NE	2.1	20.0	27.0	1.0	0.0	0.0	0.0	50.1
ENE	1.5	14.0	4.0	0.0	0.0	0.0	0.0	19.5
Е	2.0	19.0	0.0	0.0	0.0	0.0	0.0	21.0
ESE	1.3	12.0	3.0	0.0	0.0	0.0	0.0	16.3
SE	2.2	21.0	2.0	0.0	0.0	0.0	0.0	25.2
SSE	1.7	16.0	11.0	2.0	2.0	0.0	0.0	32.7
S	1.0	10.0	21.0	22.0	8.0	0.0	0.0	62.0
SSW	0.8	8.0	12.0	5.0	0.0	0.0	0.0	25.8
SW	0.5	5.0	7.0	1.0	0.0	0.0	0.0	13.5
WSW	0.3	3.0	14.0	0.0	1.0	0.0	0.0	18.3
W	0.2	2.0	34.0	8.0	0.0	0.0	0.0	44.2
WNW	0.0	0.0	47.0	33.0	2.0	0.0	0.0	82.0
NW	0.0	0.0	63.0	53.0	13.0	0.0	0.0	129.0
NNW	0.1	1.0	91.0	17.0	2.0	0.0	0.0	111.1
TOTAL	15.0	144.0	489.0	213.0	38.0	0.0	0.0	899.0

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

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/10/ 1/ 0] TO [1995/12/31/23]

PASQUILL STABILITY: E

	WIND SPE	ED (MPH)						
WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	0.0	4.0	13.0	1.0	0.0	0.0	0.0	18.0
NNE	0.0	8.0	52.0	14.0	6.0	0.0	0.0	80.0
NE	0.1	43.0	57.0	0.0	0.0	0.0	0.0	100.1
ENE	0.1	53.0	4.0	0.0	0.0	0.0	0.0	57.1
Е	0.1	43.0	2.0	0.0	0.0	0.0	0.0	45.1
ESE	0.1	44.0	1.0	0.0	0.0	0.0	0.0	45.1
SE	0.2	55.0	5.0	0.0	0.0	0.0	0.0	60.2
SSE	0.1	47.0	17.0	16.0	9.0	0.0	0.0	89.1
S	0.1	26.0	58.0	19.0	4.0	0.0	0.0	107.1
SSW	0.1	22.0	12.0	2.0	0.0	0.0	0.0	36.1
SW	0.0	9.0	17.0	0.0	0.0	0.0	0.0	26.0
WSW	0.0	4.0	12.0	0.0	00	0.0	0.0	16.0
W	0.0	2.0	26.0	1.0	1.0	0.0	0.0	30.0
WNW	0.0	1.0	12.0	6.0	0.0	0.0	0.0	19.0
NW	0.0	0.0	11.0	0.0	0.0	0.0	0.0	11.0
NNW	0.0	3.0	6.0	0.0	0.0	0.0	0.0	9.0
TOTAL	0.9	364.0	305.0	59.0	20.0	0.0	0.0	748.9

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.





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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/10/ 1/ 0] TO [1995/12/31/23]

PASQUILL STABILITY: F

	WIND SPEE	ED (MPH)	•					
WIND FROM	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	TOTAL
N	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0
NNE	0.0	11.0	15.0	1.0	0.0	0.0	0.0	27.0
NE	0.0	55.0	23.0	0.0	0.0	0.0	0.0	78.0
ENE	0.0	53.0	2.0	0.0	0.0	0.0	0.0	55.0
Е	0.0	23.0	0.0	0.0	0.0	0.0	0.0	23.0
ESE	0.0	19.0	0.0	0.0	0.0	0.0	0.0	19.0
SE	0.0	18.0	0.0	0.0	0.0	0.0	0.0	18.0
SSE	0.0	9.0	3.0	1.0	1.0	0.0	0.0	14.0
S	0.0	8.0	4.0	1.0	1.0	0.0	0.0	14.0
SSW	0.0	1.0	0.0	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	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	1.0	0.0	0.0	0.0	0.0	0.0	1.0
TOTAL	0.0	198.0	47.0	5.0	2.0	0.0	0.0	252.0

DATA MEASUREN	IENT HEIGHT	(M ABOVE GRA	DE)	10.00
TEMPERATURE S	SENSOR SEPARA	ATION (METER	S)	50.90
MISSING OBS.	DURING THIS	PERIOD (ALL	STABILITIES)	2
VALID OBSER.	DURING THIS	PERIOD (ALL	STABILITIES)	2206

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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/10/ 1/ 0] TO [1995/12/31/23]

PASQUILL STABILITY: G

	WIND SPEED (MPH)							
WIND FROM	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	TOTAL
N	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0
NNE	0.0	8.0	0.0	2.0	0.0	0.0	0.0	10.0
NE	0.0	10.0	2.0	0.0	0.0	0.0	0.0	12.0
ENE	0.0	7.0	0.0	0.0	0.0	0.0	0.0	7.0
Е	0.0	. 3.0	0.0	0.0	0.0	0.0	0.0	3.0
ESE	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
SE	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
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	33.0	2.0	4.0	0.0	0.0	0.0	39.0

DATA MEASUREM	IENT HEIGHT	(M ABOVE GRA	DE)	10.00
TEMPERATURE S	SENSOR SEPARA	ATION (METER	S)	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.



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INDIAN POINT (UNITS 2 & 3) - JOINT FREQUENCY DISTRIBUTIONS - OCT/NOV/DEC 1995

BASIC METEOROLOGICAL OBSERVATIONS AT 10.0 (M) FOR PERIOD [Year/Month/Day/Hour] [1995/10/ 1/ 0] TO [1995/12/31/23]

PASQUILL STABILITY: ALL

	WIND SPE	ED (MPH)						
WIND		0.60 -	3.50 -	7.50 -	12.50 -	18.50 -	24.00 -	
FROM	CALMS	3.50	7.50	12.50	18.50	24.00	80.00	TOTAL
N	0.3	7.0	96.0	52.0	9.0	0.0	0.0	164.3
NNE	1.1	37.0	148.0	41.0	7.0	0.0	0.0	234.1
NE	2.5	131.0	110.0	1.0	0.0	0.0	0.0	244.5
ENE	1.7	129.0	10.0	0.0	0.0	0.0	0.0	140.7
Е	2.1	88.0	2.0	0.0	0.0	0.0	0.0	92.1
ESE	1.4	78.0	6.0	0.0	0.0	0.0	0.0	85.4
SE	2.5	98.0	7.0	0.0	0.0	0.0	0.0	107.5
SSE	2.4	81.0	46.0	22.0	12.0	0.0	0.0	163.4
S	1.6	54.0	116.0	56.0	14.0	0.0	0.0	241.6
SSW	1.0	33.0	30.0	10.0	0.0	0.0	0.0	74.0
SW	0.7	16.0	34.0	1.0	0.0	0.0	0.0	51.7
WSW	0.3	7.0	33.0	0.0	1.0	0.0	0.0	41.3
W	0.2	4.0	78.0	12.0	1.0	0.0	0.0	95.2
WNW	0.0	1.0	86.0	55.0	2.0	0.0	0.0	144.0
NW	0.1	1.0	97.0	69.0	13.0	0.0	0.0	180.1
NNW	0.1	5.0	117.0	22.0	2.0	0.0	0.0	146.1
TOTAL	18.0	770.0	1016.0	341.0	61.0	0.0	0.0	2206.0

DATA MEASUREN	MENT HEIGHT	(M ABOVE GRAI	DE)	10.00
TEMPERATURE S	SENSOR SEPAR	ATION (METERS	5)	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.





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EFFLUENT AND WASTE DISPOSAL

SEMI-ANNUAL REPORT

OFFSITE DOSE CALCULATION MANUAL OR PROCESS CONTROL MANUAL CHANGES

THIRD and FOURTH QUARTERS, 1995

There were no revisions to the ODCM or PCP during this reporting period