

ENCLOSURE 2

SEQUOYAH NUCLEAR PLANT

RADIOLOGICAL IMPACT ASSESSMENT REPORT

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INTRODUCTION

Potential doses to maximum individuals and the population around Sequoyah are calculated for each quarter as required in Section 5.2 of the Offsite Dose Calculation Manual (ODCM). Measured plant releases for the reporting period are used to estimate these doses. Dispersion of radioactive effluents in the environment is estimated using meteorological data and riverflow data measured during the period. In this report, the doses resulting from releases are described and compared to limits established for Sequoyah.

DOSE LIMITS

The ODCM specifies limits for the release of radioactive effluents, as well as limits for doses to the general public from the release of radioactive effluents. These limits are set well below the Technical Specification limits which govern the concentrations of radioactivity and doses permissible in unrestricted areas. This ensures that radioactive effluent releases are As Low As Reasonably Achievable.

The limits for doses in unrestricted areas from airborne noble gases releases are:

Less than or equal to 5 mrad per quarter and
10 mrad per year (per reactor unit) for gamma radiation, and
Less than or equal to 10 mrad per quarter and
20 mrad per year (per reactor unit) for beta radiation.

The limit for the dose to a member of the general public in an unrestricted area from iodines and particulates released in airborne effluents is:

Less than or equal to 7.5 mrem per quarter and
15 mrem per year (per reactor unit) to any organ.

The limit for doses to a member of the general public from radioactive material in liquid effluents released to unrestricted areas, is:

Less than or equal to 1.5 mrem per quarter and
3 mrem per year (per reactor unit) to the total body, and
Less than or equal to 5 mrem per quarter and
10 mrem per year (per reactor unit) to any organ

The EPA limits for total dose to the public in the vicinity of a nuclear power plant, established in the Environmental Dose Standard of 40 CFR 190, are:

Less than or equal to 25 mrem per year to the total body,
Less than or equal to 75 mrem per year to the thyroid, and
Less than or equal to 25 mrem per year to any other organ.

DOSE CALCULATIONS

Estimated doses to the public are determined using computer models (the Gaseous Effluent Licensing Code, GELC, and the Quarterly Water Dose Assessment Code, QWATA). These models are based on guidance provided by the NRC (in Regulatory Guides 1.109, 1.111 and 1.113) for determining the potential dose to individuals and populations living in the vicinity of the plant. The area around the plant is analyzed to determine the pathways through which the public may receive a dose. The doses calculated are a representation of the dose to a "maximum exposed individual." Some of the factors used in these calculations (such as ingestion rates) are maximum values. Many of these factors are obtained from NUREG/CR-1004. The values chosen will tend to overestimate the dose to this "maximum" person. The expected dose to actual individuals is lower. The calculated doses are presented in Tables 1 through 9.

DOSES FROM AIRBORNE EFFLUENTS

For airborne effluents, the public can be exposed to radiation from several sources: direct radiation from the radioactivity in the air, direct radiation from radioactivity deposited on the ground, inhalation of airborne radioactivity, ingestion of vegetation which contains radioactivity deposited from the atmosphere, and ingestion of milk and beef which contains radioactivity deposited from the atmosphere onto vegetation and subsequently eaten by milk and beef animals.

Airborne Discharge Points

All releases from Sequoyah are considered ground-level releases. The ground-level Joint Frequency Distribution (JFD) is derived from windspeeds and directions measured 10 meters above ground and from the vertical temperature difference between 10 and 46 meters, and are presented for each quarter in Attachment 1.0

Meteorological Data

Meteorological variables at Sequoyah are measured continuously. Measurements collected include wind speed, wind direction, and temperature at heights of 10, 46, and 91 meters above the ground. Quarterly joint frequency distributions (JFDs) are calculated for each release point using the appropriate levels of meteorological data. A joint frequency distribution gives the percentage of the time in a quarter that the wind is blowing out of a particular upwind compass sector in a particular range of wind speeds for a given stability class A through G. The wind speeds are divided into nine wind speed ranges. Calms are distributed by direction in proportion to the distribution of noncalm wind directions less than 0.7 m/s (1.5 mph). Stability classes are determined from the vertical temperature difference between two measurement levels.

External Exposure Dose

Dose estimates for maximum external air dose (gamma-air and beta-air doses) are made for points at and beyond the unrestricted area boundary as described in the Sequoyah ODCM. The highest of these doses is then selected.

Submersion Dose

External doses to the skin and total body, due to submersion in a cloud of noble gases, are estimated for the nearest residence in each sector. The residence with the highest dose is then selected from all sectors.

Organ Dose

Doses to organs due to releases of airborne effluents are estimated for the inhalation, ground contamination, and ingestion pathways. The ingestion pathway is further divided into four possible contributing pathways: ingestion of cow/goat milk, ingestion of beef, and ingestion of vegetables. Doses from applicable pathways are calculated for each real receptor location identified in the most recent land use survey. To determine the maximum organ dose, the doses from the pathways are summed for each receptor. For the ingestion dose, however, only those pathways that exist for each receptor are considered in the sum, i.e., milk ingestion doses are included only for locations where milk is consumed without commercial preparation and vegetable ingestion is included only for those locations where a garden is identified. To conservatively account for beef ingestion, a beef ingestion dose equal to that for the highest unrestricted area boundary location is added to each identified receptor. For ground contamination, the dose added to the organ dose being calculated is the total body dose calculated for that location, i.e., it is assumed that the dose to an individual organ is equal to the total body dose.

Doses from airborne effluents are presented in Tables 1 through 4.

DOSES FROM LIQUID EFFLUENTS

For liquid effluents, the public can be exposed to radiation from three sources: the ingestion of water from the Tennessee River, the ingestion of fish caught in the Tennessee River, and direct exposure from radioactive material deposited on the river shoreline sediment (recreation).

The concentrations of radioactivity in the Tennessee River are estimated by a computer model which uses measured hydraulic data downstream of Sequoyah. Parameters used to determine the doses are based on guidance given by the NRC (in Regulatory Guides 1.109) for maximum ingestion rates, exposure times, etc. Wherever possible, parameters used in the dose calculation are site specific use factors determined by TVA. The models that are used to estimate doses, as well as the parameters input to the models, are described in detail in the Sequoyah Nuclear Plant ODCM.

Liquid Release Points and River Data

Radioactivity concentrations in the Tennessee River are calculated assuming that releases in liquid effluents are continuous. All routine liquid releases from Sequoyah, located at Tennessee River Mile 484, are made through diffusers which extend into the Tennessee River. It is assumed that releases to the river through these diffusers will initially be entrained in one-fifth of the water which flows past the plant. The QWATA code makes the assumption that this mixing condition holds true until the water is completely mixed at the first downstream dam, at Tennessee River Mile 471.0.

Doses are calculated for locations within a 50 mile radius downstream of the plant site. The maximum potential recreation dose is calculated for a location immediately downstream from the plant outfall. The maximum individual dose from ingestion of fish is assumed to be that calculated for the consumption of fish caught anywhere between the plant and the first downstream dam (Chickamauga Dam). The maximum individual dose from drinking water is assumed to be that calculated at the nearest downstream public water supply (E. I. DuPont). This could be interpreted as indicating that the maximum individual, as assumed for liquid releases from Sequoyah, is an individual who obtains all of his drinking water at E. I. DuPont, consumes fish caught from the Tennessee River between Sequoyah and Chickamauga Dam, and spends 500 hours per year on the shoreline just below the outfall from Sequoyah. Dose estimates for the maximum individual due to liquid effluents for each quarter in the period are presented in Tables 5 through 8, along with the average river flows past the plant site for the periods.

POPULATION DOSES

Population doses for highest exposed organ due to airborne effluents are calculated for an estimated 1,060,000 persons living within a 50-mile radius of the plant site. Doses from external pathways and inhalation are based on the 50-mile human population distribution. Ingestion population doses are calculated assuming that each individual consumes milk, vegetables, and meat produced with the sector annulus in which he resides. Doses from external pathways and inhalation are based on the 50-mile human population distribution.

Population doses for total body and the maximum exposed organ due to liquid effluents are calculated for the entire downstream Tennessee River Population. Water ingestion population doses are calculated using actual population figures for downstream public water supplies. Fish ingestion population doses are calculated assuming that all sport fish caught in the Tennessee River are consumed by the Tennessee River population. Recreation population doses are calculated using actual recreational data on the number of shoreline visits at downstream locations.

Population dose estimates for airborne and liquid effluents are presented in Tables 1 through 8.

DIRECT RADIATION

External gamma radiation levels were measured by thermoluminescent dosimeters (TLDs) deployed around Sequoyah. The quarterly gamma radiation levels determined from these TLDs during this reporting period averaged approximately 14.8 mR/quarter at onsite stations and approximately 13.4 mR/quarter at offsite stations, or approximately 1.4 mR/quarter higher onsite than at offsite stations. This is consistent with levels reported at TVA's non operating nuclear power plant construction sites where the average radiation levels onsite are generally 2-6 mR/quarter higher than the levels offsite. This may be attributable to natural variations in environmental radiation levels, earth moving activities onsite, the mass of concrete employed in the construction of the plants, or other undetermined influences. Fluctuations in natural background dose rates and in TLD readings tend to mask any small increments which may be due to plant operations. Thus, there was no identifiable increase in dose rate levels attributable to direct radiation from plant equipment and/or gaseous effluents.

DOSE TO A MEMBER OF THE PUBLIC INSIDE THE UNRESTRICTED AREA BOUNDARY

As stated in the Sequoyah Offsite Dose Calculation Manual, an evaluation of the dose to a member of the public inside the unrestricted area boundary is performed for a hypothetical TVA employee who works just outside the restricted area fence for an entire workyear (2000 hours). Results from onsite TLD measurements for the calendar year in question indicate that the highest onsite TLD reading was 108 mrem. Using this value, and subtracting an annual background value of 55 mrem/year, and multiplying by the ratio of the occupancy times, the highest external dose to a member of the public inside the unrestricted area boundary is 24.7 mrem. The doses due to radioactive effluents released to the atmosphere calculated in this report would not add a significant amount to this measured dose. This dose is well below the 10 CFR 20 annual limit of 100 mrem.

TOTAL DOSE

To determine compliance with 40 CFR 190, annual total dose contributions to the maximum individual from Sequoyah radioactive effluents and all other nearby uranium fuel cycle sources are considered.

The annual dose to any organ other than thyroid for the maximum individual is conservatively estimated by summing the following doses: the total body air submersion dose for each quarter, the critical organ dose (for any organ other than the thyroid) from airborne effluents for each quarter from ground contamination, inhalation and ingestion, the total body dose from liquid effluents for each quarter, the maximum organ dose (for any organ other than the thyroid) from liquid effluents for each quarter, and any identifiable increase in direct radiation dose levels as measured by the environmental monitoring program. This dose is compared to the 40 CFR 190 limit for total body or any organ dose (other than thyroid) to determine compliance.

The annual thyroid dose to the maximum individual is conservatively estimated by summing the following doses: the total body air submersion dose for each quarter, the thyroid dose from

airborne effluents for each quarter, the total body dose from liquid effluents for each quarter, the thyroid dose from liquid effluents for each quarter, and any identifiable increase in direct radiation dose levels as measured by the environmental monitoring program. This dose is compared to the 40 CFR 190 limit for thyroid dose to determine compliance.

Cumulative annual total doses are presented in Table 9.

Table 1
Doses from Airborne Effluents
First Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location Sector/Distance
External				
Gamma Air	1.44E-03 mrad	5 mrad	0.029	N/950
Beta Air	2.80E-03 mrad	10 mrad	0.028	
Submersion				
Total Body	9.79E-04 mrad	10 mrad	0.010	SSW/2134
Skin	2.07E-03 mrad	10 mrad	0.021	
Organ Doses				
Child/Thyroid	9.48E-03 mrem	7.5 mrem	0.13	SSW/2707
Child/Total Body	9.47E-03 mrem	7.5 mrem	0.13	

Population Doses

Total Body Dose 7.25E-02 man-rem

Maximum Organ Dose (organ) 7.27E-02 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 95,400 man-rem/year (based on 90 mrem/yr for natural background).

Table 2
Doses from Airborne Effluents
Second Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location Sector/Distance
External				
Gamma Air	1.39E-03 mrad	5 mrad	0.028	N/950
Beta Air	2.83E-03 mrad	10 mrad	0.028	
Submersion				
Total Body	9.00E-04 mrad	10 mrad	0.009	SSW/2134
Skin	1.93E-03 mrad	10 mrad	0.019	
Organ Doses				
Child/Thyroid	9.40E-03 mrem	7.5 mrem	0.125	SSW/2707
Child/Total Body	9.40E-03 mrem	7.5 mrem	0.125	

Population Doses

Total Body Dose 7.24E-02 man-rem

Maximum Organ Dose (organ) 7.24E-02 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 95,400 man-rem/year (based on 90 mrem/yr for natural background).

Table 3
Doses from Airborne Effluents
Third Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location Sector/Distance
External				
Gamma Air	2.56E-03 mrad	5 mrad	0.051	N/950
Beta Air	5.15E-03 mrad	10 mrad	0.052	
Submersion				
Total Body	1.65E-03 mrad	10 mrad	0.017	SSW/2134
Skin	3.52E-03 mrad	10 mrad	0.035	
Organ Doses				
Child/Thyroid	3.77E-03 mrem	7.5 mrem	0.050	SSW/2707
Child/Total Body	3.68E-03 mrem	7.5 mrem	0.049	

Population Doses

Total Body Dose 2.65E-02 man-rem

Maximum Organ Dose (organ) 2.71E-02 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 95,400 man-rem/year (based on 90 mrem/yr for natural background).

Table 4
Doses from Airborne Effluents
Fourth Quarter

Individual Doses

Pathway	Dose	Quarterly Limit	Percent of Limit	Location Sector/Distance
External				
Gamma Air	5.68E-04 mrad	5 mrad	0.011	N/950
Beta Air	7.56E-04 mrad	10 mrad	0.008	
Submersion				
Total Body	4.27E-04 mrad	10 mrad	0.004	SSW/2134
Skin	8.08E-04 mrad	10 mrad	0.008	
Organ Doses				
Child/Thyroid	9.37E-03 mrem	7.5 mrem	0.125	SSW/2707
Child/Total Body	9.37E-03 mrem	7.5 mrem	0.125	

Population Doses

Total Body Dose 7.19E-02 man-rem

Maximum Organ Dose (organ) 7.21E-02 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 95,400 man-rem/year (based on 90 mrem/yr for natural background).

Table 5
Doses from Liquid Effluents
First Quarter

Individual Doses

Age Group	Organ	Dose	Quarterly Limit	Percent of Limit
Adult	Total Body	4.8E-03	1.5 mrem	< 1 %
	Liver	5.8E-03	5 mrem	< 1 %
Teen	Total Body	3.4E-03	1.5 mrem	< 1 %
	Liver	5.7E-03	5 mrem	< 1 %
Child	Total Body	3.0E-03	1.5 mrem	< 1 %
	Liver	5.8E-03	5 mrem	< 1 %

Average Riverflow past SQN (cubic feet per second): 50,164

Population Doses

Total Body Dose 1.3E-01 man-rem

Maximum Organ Dose (organ) 1.3E-01 man-rem (liver)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 95,400 man-rem/year (based on 90 mrem/yr for natural background).

Table 6
Doses from Liquid Effluents
Second Quarter

Individual Doses

Age Group	Organ	Dose	Quarterly Limit	Percent of Limit
Adult	Total Body	2.1E-02	1.5 mrem	< 1 %
	Liver	2.6E-02	5 mrem	< 1 %
Teen	Total Body	1.4E-02	1.5 mrem	< 1 %
	Liver	2.6E-02	5 mrem	< 1 %
Child	Total Body	1.2E-02	1.5 mrem	< 1 %
	Liver	2.6E-02	5 mrem	< 1 %

Average Riverflow past SQN (cubic feet per second): 13,954

Population Doses

Total Body Dose 7.0E-01 man-rem

Maximum Organ Dose (organ) 7.3E-01 man-rem (liver)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 95,400 man-rem/year (based on 90 mrem/yr for natural background).

Table 7
Doses from Liquid Effluents
Third Quarter

Individual Doses

Age Group	Organ	Dose	Quarterly Limit	Percent of Limit
Adult	Total Body	3.8E-02	1.5 mrem	2.5 %
	Liver	5.0E-02	5 mrem	1 %
Teen	Total Body	2.4E-02	1.5 mrem	1.6 %
	Liver	5.1E-02	5 mrem	1 %
Child	Total Body	1.3E-02	1.5 mrem	< 1 %
	Liver	4.6E-02	5 mrem	< 1 %

Average Riverflow past SQN (cubic feet per second): 27,580

Population Doses

Total Body Dose 6.0E-01 man-rem

Maximum Organ Dose (organ) 2.6E-01 man-rem (thyroid)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 95,400 man-rem/year (based on 90 mrem/yr for natural background).

Table 3
Doses from Liquid Effluents
Fourth Quarter

Individual Doses

Age Group	Organ	Dose	Quarterly Limit	Percent of Limit
Adult	Total Body	6.5E-03	1.5 mrem	< 1 %
	GIT	2.0E-02	5 mrem	< 1 %
Teen	Total Body	4.9E-03	1.5 mrem	< 1 %
	GIT	1.5E-02	5 mrem	< 1 %
Child	Total Body	4.1E-03	1.5 mrem	< 1 %
	GIT/Liver	7.4E-03	5 mrem	< 1 %

Average Riverflow past SQN (cubic feet per second): 40,181

Population Doses

Total Body Dose 1.8E-01 man-rem

Maximum Organ Dose (organ) 2.3E-01 man-rem (GIT)

Population doses can be compared to the natural background dose for the entire 50-mile population of about 95,400 man-rem/year (based on 90 mrem/yr for natural background).

Table 9

Total Dose from Fuel Cycle

Dose	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	
Total Body or any Organ (except thyroid)					
Total body air submersion	9.79E-04	9.00E-04	1.65E-03	4.27E-04	
Critical organ dose (air)	9.48E-03	9.40E-03	3.77E-03	9.37E-03	
Total body dose (liquid)	4.8E-03	2.1E-02	3.8E-02	6.5E-03	
Maximum organ dose (liquid)	5.8E-03	2.6E-02	5.0E-02	2.0E-02	
Direct Radiation Dose	0.0E-00	0.0E-00	0.0E-00	0.00E-00	
Total	2.1E-02	5.7E-02	9.3E-02	3.6E-02	
Cumulative Total Dose (Total body or any other organ) mrem					2.1E-02
Annual Dose Limit (mrem)					2.50E+01
Percent of Limit					< 1 %
Thyroid Dose (mrem)					
Total body air submersion	9.79E-04	9.00E-04	1.65E-03	4.27E-04	
Thyroid dose (airborne)	9.48E-03	9.40E-03	3.77E-03	9.37E-03	
Total body dose (liquid)	4.8E-03	2.1E-02	3.8E-02	6.5E-03	
Thyroid dose (liquid)	4.0E-03	8.7E-03	6.2E-03	3.1E-03	
Direct Radiation Dose	0.0E-00	0.0E-00	0.0E-00	0.0E-00	
Total	1.9E-02	4.0E-02	5.0E-02	1.9E-02	
Cumulative Total Dose (Thyroid) mrem					1.3E-01
Annual Dose Limit (mrem)					7.50E+01
Percent of Limit					< 1 %

Attachment 1.0

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 95 - MAR 31, 95

WIND DIRECTION	CALM	WIND SPEED (MPH)							>=24.5	TOTAL
		0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4		
N	0.000	0.000	0.000	0.048	0.000	0.288	0.000	0.000	0.000	0.336
NNE	0.000	0.000	0.000	0.000	0.240	0.529	0.000	0.000	0.000	0.769
NE	0.000	0.000	0.000	0.096	0.048	0.192	0.000	0.000	0.000	0.336
ENE	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000	0.000	0.096
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.048
S	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.096
SSW	0.000	0.000	0.000	0.000	0.192	0.240	0.048	0.000	0.000	0.481
SW	0.000	0.000	0.000	0.096	0.144	0.192	0.000	0.000	0.000	0.432
WSW	0.000	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.048
W	0.000	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.096
WNW	0.000	0.000	0.000	0.000	0.048	0.240	0.000	0.000	0.000	0.288
NW	0.000	0.000	0.000	0.000	0.096	0.240	0.000	0.000	0.000	0.336
NNW	0.000	0.000	0.000	0.048	0.144	0.048	0.000	0.000	0.000	0.240
SUBTOTAL	0.000	0.000	0.048	0.288	1.153	2.066	0.048	0.000	0.000	3.604

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2149
 TOTAL HOURS OF STABILITY CLASS A 87
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A 75
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2081
 TOTAL HOURS CALM 0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 8.39

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

DATE PRINTED: 26-APR-95

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9 < DELTA T < -1.7 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 95 - MAR 31, 95

WIND DIRECTION	CALM	WIND SPEED (MPH)							TOTAL
		0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5
N	0.000	0.000	0.000	0.000	0.192	0.048	0.144	0.000	0.000
NNE	0.000	0.000	0.000	0.096	0.384	0.384	0.000	0.000	0.384
NE	0.000	0.000	0.048	0.096	0.000	0.096	0.000	0.000	0.865
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.240
E	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.048	0.000	0.048	0.000	0.000	0.000	0.048
SE	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.096
SSE	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.048
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048
SSW	0.000	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.096
SW	0.000	0.000	0.048	0.096	0.240	0.096	0.048	0.000	0.529
WSW	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.048
W	0.000	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.096
NW	0.000	0.000	0.000	0.096	0.048	0.192	0.000	0.000	0.336
NNW	0.000	0.000	0.000	0.000	0.048	0.240	0.000	0.000	0.288
									0.048
SUBTOTAL	0.000	0.000	0.144	0.625	1.105	1.105	0.192	0.000	3.172

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2149
 TOTAL HOURS OF STABILITY CLASS B 70
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B 66
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2081
 TOTAL HOURS CALM 0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 7.56

DATE PRINTED: 26-APR-95

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 95 - MAR 31, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.000	0.000	0.000	0.000	0.144	0.096	0.096	0.000	0.000	0.336
NNE	0.000	0.000	0.192	0.384	0.384	0.288	0.000	0.000	0.000	1.249
NE	0.000	0.000	0.192	0.384	0.048	0.048	0.000	0.000	0.000	0.673
ENE	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.096
E	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.096
ESE	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.048
SE	0.000	0.000	0.000	0.192	0.000	0.000	0.000	0.000	0.000	0.192
SSE	0.000	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.000	0.096
S	0.000	0.000	0.000	0.096	0.048	0.000	0.000	0.000	0.000	0.144
SSW	0.000	0.000	0.048	0.096	0.481	0.048	0.000	0.000	0.000	0.673
SW	0.000	0.000	0.000	0.240	0.192	0.144	0.000	0.000	0.000	0.577
WSW	0.000	0.000	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.096
W	0.000	0.000	0.000	0.048	0.048	0.048	0.000	0.000	0.000	0.144
WNW	0.000	0.000	0.000	0.096	0.000	0.048	0.000	0.000	0.000	0.144
NW	0.000	0.000	0.000	0.048	0.048	0.048	0.000	0.000	0.000	0.144
NNW	0.000	0.000	0.000	0.048	0.144	0.048	0.000	0.000	0.000	0.240
SUBTOTAL	0.000	0.000	0.625	1.730	1.634	0.865	0.096	0.000	0.000	4.950

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2149
TOTAL HOURS OF STABILITY CLASS C	110
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	103
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2081
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 26-APR-95

MEAN WIND SPEED = 5.98

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 95 - MAR 31, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.000	0.000	1.297	1.970	1.586	1.730	0.192	0.000	0.000	6.776
NNE	0.000	0.000	1.105	2.643	1.634	1.778	0.096	0.000	0.000	7.256
NE	0.000	0.048	0.721	0.625	0.384	0.048	0.000	0.000	0.000	1.826
ENE	0.000	0.048	0.336	0.096	0.000	0.000	0.000	0.000	0.000	0.481
E	0.000	0.000	0.048	0.048	0.000	0.000	0.000	0.000	0.000	0.096
ESE	0.000	0.000	0.096	0.048	0.048	0.000	0.000	0.000	0.000	0.192
SE	0.000	0.000	0.192	0.048	0.000	0.048	0.000	0.000	0.000	0.288
SSE	0.000	0.144	0.144	0.192	0.240	0.240	0.048	0.000	0.000	1.009
S	0.000	0.096	0.625	1.105	0.240	0.144	0.000	0.000	0.000	2.210
SSW	0.000	0.240	1.201	3.412	1.057	0.336	0.048	0.000	0.000	6.295
SW	0.000	0.000	0.673	1.153	0.625	0.144	0.000	0.000	0.000	2.595
WSW	0.000	0.000	0.192	0.481	0.529	0.192	0.000	0.000	0.000	1.394
W	0.000	0.000	0.288	0.336	0.384	0.144	0.000	0.000	0.000	1.153
WNW	0.000	0.240	0.192	0.529	0.384	0.240	0.000	0.000	0.000	1.586
NW	0.000	0.048	0.529	0.913	1.105	0.865	0.000	0.000	0.000	3.460
NNW	0.000	0.096	0.961	1.922	1.105	0.577	0.048	0.000	0.000	4.709
SUBTOTAL	0.000	0.961	8.602	15.521	9.322	6.487	0.432	0.000	0.000	41.326

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2149
TOTAL HOURS OF STABILITY CLASS D	886
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	860
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2081
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 26-APR-95

MEAN WIND SPEED = 5.25

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 95 - MAR 31, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.067	0.288	1.970	2.066	0.625	0.192	0.048	0.000	0.000	5.257
NNE	0.090	0.769	2.259	1.346	0.432	0.192	0.000	0.000	0.000	5.088
NE	0.011	0.192	0.192	0.096	0.048	0.000	0.000	0.000	0.000	0.540
ENE	0.004	0.048	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.148
E	0.004	0.096	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.148
ESE	0.003	0.096	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.147
SE	0.007	0.096	0.144	0.000	0.096	0.096	0.000	0.000	0.000	0.440
SSE	0.004	0.048	0.096	0.192	0.000	0.529	0.096	0.000	0.000	0.965
S	0.030	0.240	0.769	0.529	0.384	0.192	0.000	0.000	0.000	2.144
SSW	0.076	0.192	2.355	0.913	0.192	0.144	0.000	0.000	0.000	3.872
SW	0.056	0.288	1.586	1.634	0.144	0.144	0.000	0.000	0.000	3.852
WSW	0.010	0.144	0.192	0.240	0.048	0.000	0.000	0.000	0.000	0.635
W	0.007	0.000	0.240	0.288	0.144	0.096	0.000	0.000	0.000	0.776
WNW	0.011	0.000	0.384	0.432	0.144	0.000	0.000	0.000	0.000	0.973
NW	0.019	0.096	0.529	0.240	0.192	0.240	0.000	0.000	0.000	1.316
NNW	0.032	0.144	0.913	0.432	0.144	0.096	0.000	0.000	0.000	1.761
SUBTOTAL	0.432	2.739	11.773	8.457	2.595	1.922	0.144	0.000	0.000	28.063

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2149
TOTAL HOURS OF STABILITY CLASS E	598
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	584
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2081
TOTAL HOURS CALM	9

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 26-APR-95

MEAN WIND SPEED = 3.77

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 95 - MAR 31, 95

WIND DIRECTION	CALM	WIND SPEED(MPH)								≥24.5	TOTAL
		0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4			
N	0.004	0.096	0.721	0.192	0.048	0.000	0.000	0.000	0.000	1.061	
NNE	0.014	0.529	2.355	0.432	0.000	0.000	0.000	0.000	0.000	3.330	
NE	0.002	0.288	0.192	0.000	0.000	0.000	0.000	0.000	0.000	0.483	
ENE	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.097	
E	0.001	0.096	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.145	
ESE	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.097	
SE	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.097	
SSE	0.001	0.048	0.144	0.096	0.000	0.000	0.000	0.000	0.000	0.289	
S	0.006	0.336	0.817	0.192	0.000	0.000	0.000	0.000	0.000	1.351	
SSW	0.008	0.048	1.490	0.288	0.000	0.000	0.000	0.000	0.000	1.834	
SW	0.007	0.048	1.297	0.625	0.048	0.000	0.000	0.000	0.000	2.025	
WSW	0.001	0.000	0.144	0.048	0.048	0.000	0.000	0.000	0.000	0.241	
W	0.000	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.048	
WNW	0.000	0.000	0.096	0.048	0.000	0.000	0.000	0.000	0.000	0.145	
NW	0.000	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.048	
NNW	0.003	0.144	0.384	0.048	0.000	0.000	0.000	0.006	0.000	0.579	
SUBTOTAL	0.048	1.826	7.833	2.018	0.144	0.000	0.000	0.000	0.000	11.869	

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2149
 TOTAL HOURS OF STABILITY CLASS F 249
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F 247
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2081
 TOTAL HOURS CALM 1

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 2.58

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

DATE PRINTED: 26-APR-95

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

JAN 1, 95 - MAR 31, 95

WIND DIRECTION	CALM	0.6-1.4	1.5-3.4	WIND SPEED(MPH) 3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.096	0.144	0.000	0.000	0.000	0.000	0.000	0.000	0.240
NNE	0.000	0.048	1.634	0.048	0.000	0.000	0.000	0.000	0.000	1.730
NE	0.000	0.432	0.769	0.000	0.000	0.000	0.000	0.000	0.000	1.201
ENE	0.000	0.192	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.240
E	0.000	0.144	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.192
ESE	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.096
SE	0.000	0.288	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.384
SSE	0.000	0.144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.144
S	0.000	0.096	0.432	0.000	0.000	0.000	0.000	0.000	0.000	0.529
SSW	0.000	0.096	1.249	0.048	0.000	0.000	0.000	0.000	0.000	1.394
SW	0.000	0.048	0.625	0.096	0.000	0.000	0.000	0.000	0.000	0.769
WSW	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.000	0.000	0.096
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.000	1.682	5.142	0.192	0.000	0.000	0.000	0.000	0.000	7.016

TOTAL HOURS OF VALID STABILITY OBSERVATIONS

TOTAL HOURS OF STABILITY CLASS G

TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G

TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS

TOTAL HOURS CALM

2149
149
146
2081
0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 2.07

DATE PRINTED: 26-APR-95

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

SEQUOYAH NUCLEAR PLANT

APR 1, 95 - JUN 30, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.000	0.000	0.000	0.138	0.322	0.092	0.000	0.000	0.000	0.551
NNE	0.000	0.000	0.092	0.643	0.322	0.230	0.000	0.000	0.000	1.286
NE	0.000	0.000	0.046	0.781	0.322	0.138	0.000	0.000	0.000	1.286
ENE	0.000	0.000	0.000	0.092	0.000	0.000	0.000	0.000	0.000	0.092
E	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
S	0.000	0.000	0.000	0.000	0.184	0.230	0.000	0.000	0.000	0.413
SSW	0.000	0.000	0.000	0.046	0.873	0.322	0.000	0.000	0.000	1.240
SW	0.000	0.000	0.000	0.184	0.092	0.046	0.000	0.000	0.000	0.322
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
NW	0.000	0.000	0.000	0.000	0.000	0.184	0.000	0.000	0.000	0.184
NNW	0.000	0.000	0.000	0.046	0.138	0.184	0.000	0.000	0.000	0.367
SUBTOTAL	0.000	0.000	0.138	2.021	2.297	1.424	0.000	0.000	0.000	5.880

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS A	128
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	128
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2177
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 24-JUL-95

MEAN WIND SPEED = 6.17

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<=-1.7 C/100 M)

SEQUOYAH NUCLEAR PLANT

APR 1, 95 - JUN 30, 95

WIND DIRECTION	CALM	0.6-1.4	1.5-3.4	WIND SPEED(MPH)		7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
				3.5-5.4	5.5-7.4					
N	0.000	0.000	0.000	0.184	0.184	0.046	0.000	0.000	0.000	0.413
NNE	0.000	0.000	0.046	0.873	0.459	0.092	0.000	0.000	0.000	1.470
NE	0.000	0.000	0.230	0.505	0.092	0.000	0.000	0.000	0.000	0.827
ENE	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
SSE	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
S	0.000	0.000	0.046	0.046	0.230	0.092	0.000	0.000	0.000	0.413
SSW	0.000	0.000	0.000	0.505	0.643	0.046	0.000	0.000	0.000	1.194
SW	0.000	0.000	0.000	0.367	0.138	0.092	0.000	0.000	0.000	0.597
WSW	0.000	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.046
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.046	0.046	0.000	0.000	0.000	0.000	0.092
NNW	0.000	0.000	0.000	0.046	0.046	0.138	0.000	0.000	0.000	0.230
SUBTOTAL	0.000	0.000	0.322	2.618	1.975	0.505	0.000	0.000	0.000	5.420

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS B	118
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	118
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2177
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 24-JUL-95

MEAN WIND SPEED = 5.51

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C $\{-1.7 < \Delta T \leq -1.5 \text{ C/100 M}\}$

SEQUOYAH NUCLEAR PLANT

APR 1, 95 - JUN 30, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.000	0.000	0.000	0.046	0.138	0.000	0.000	0.000	0.000	0.184
NNE	0.000	0.000	0.138	0.735	0.184	0.046	0.000	0.000	0.000	1.102
NE	0.000	0.000	0.276	0.367	0.046	0.000	0.000	0.000	0.000	0.689
ENE	0.000	0.000	0.138	0.092	0.000	0.000	0.000	0.000	0.000	0.230
E	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.046
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.046	0.092	0.000	0.000	0.000	0.000	0.000	0.138
SSE	0.000	0.000	0.092	0.092	0.046	0.046	0.000	0.000	0.000	0.276
S	0.000	0.000	0.046	0.276	0.092	0.092	0.000	0.000	0.000	0.505
SSW	0.000	0.000	0.046	0.551	0.459	0.092	0.000	0.000	0.000	1.148
SW	0.000	0.000	0.046	0.643	0.276	0.046	0.000	0.000	0.000	1.011
WSW	0.000	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.000	0.092
W	0.000	0.000	0.046	0.000	0.046	0.000	0.000	0.000	0.000	0.092
WNW	0.000	0.000	0.000	0.046	0.046	0.000	0.000	0.000	0.000	0.092
NW	0.000	0.000	0.000	0.000	0.092	0.092	0.000	0.000	0.000	0.184
NNW	0.000	0.000	0.000	0.046	0.046	0.184	0.000	0.000	0.000	0.276
SUBTOTAL	0.000	0.000	0.873	3.078	1.470	0.643	0.000	0.000	0.000	6.063

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS C	132
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	132
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2177
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 24-JUL-95

MEAN WIND SPEED = 5.13

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

APR 1, 95 - JUN 30, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.000	0.092	0.689	1.332	0.689	0.322	0.000	0.000	0.000	3.124
NNE	0.000	0.046	1.148	1.516	0.367	0.092	0.000	0.000	0.000	3.169
NE	0.000	0.000	0.873	0.322	0.046	0.046	0.000	0.000	0.000	1.286
ENE	0.000	0.046	0.367	0.046	0.000	0.000	0.000	0.000	0.000	0.459
E	0.000	0.046	0.230	0.138	0.000	0.000	0.000	0.000	0.000	0.413
ESE	0.000	0.000	0.367	0.046	0.000	0.000	0.000	0.000	0.000	0.413
SE	0.000	0.000	0.597	0.322	0.000	0.000	0.000	0.000	0.000	0.919
SSE	0.000	0.046	0.827	0.413	0.230	0.459	0.184	0.000	0.000	2.159
S	0.000	0.000	1.194	2.756	0.731	0.827	0.000	0.000	0.000	5.558
SSW	0.000	0.000	2.389	3.537	1.608	0.322	0.000	0.000	0.000	7.855
SW	0.000	0.000	0.965	0.919	0.413	0.046	0.000	0.000	0.000	2.343
WSW	0.000	0.046	0.276	0.459	0.230	0.000	0.000	0.000	0.000	1.011
W	0.000	0.092	0.092	0.367	0.184	0.000	0.000	0.000	0.000	0.735
WNW	0.000	0.000	0.046	0.367	0.276	0.092	0.000	0.000	0.000	0.781
NW	0.000	0.000	0.000	0.505	0.138	0.046	0.000	0.000	0.000	0.689
NNW	0.000	0.000	0.184	0.322	0.322	0.184	0.000	0.000	0.000	1.011
SUBTOTAL	0.000	0.413	10.243	13.367	5.282	2.435	0.184	0.000	0.000	31.925

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS D	697
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	695
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2177
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 24-JUL-95

MEAN WIND SPEED = 4.49

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

APR 1, 95 - JUN 30, 95

WIND DIRECTION	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
N	0.000	0.046	4.585	1.883	0.322	0.000	0.000	0.000	0.000	6.936
NNE	0.000	0.230	1.837	0.827	0.000	0.000	0.000	0.000	0.000	2.894
NE	0.000	0.046	0.413	0.000	0.000	0.000	0.000	0.000	0.000	0.459
ENE	0.000	0.184	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.276
E	0.000	0.230	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.322
ESE	0.000	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.138
SE	0.000	0.367	0.230	0.046	0.000	0.000	0.000	0.000	0.000	0.643
SSE	0.000	0.138	0.689	0.276	0.230	0.046	0.000	0.000	0.000	1.378
S	0.000	0.413	2.618	0.735	0.597	0.276	0.000	0.000	0.000	4.639
SSW	0.000	0.184	3.261	1.424	0.597	0.000	0.000	0.000	0.000	5.466
SW	0.000	0.138	1.837	1.102	0.230	0.046	0.000	0.000	0.000	3.353
WSW	0.000	0.138	0.965	3.505	0.230	0.138	0.000	0.000	0.000	1.975
W	0.000	0.092	0.276	0.138	0.138	0.000	0.046	0.000	0.000	0.689
WNW	0.000	0.138	0.230	0.138	0.092	0.046	0.000	0.000	0.000	0.643
NW	0.000	0.230	0.413	0.276	0.092	0.000	0.000	0.000	0.000	1.011
NNW	0.000	0.184	1.516	0.413	0.092	0.000	0.000	0.000	0.000	2.205
SUBTOTAL	0.000	2.894	19.109	7.809	2.618	0.551	0.046	0.000	0.000	33.027

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2179
TOTAL HOURS OF STABILITY CLASS E	719
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	719
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2177
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 24-JUL-95

MEAN WIND SPEED = 3.16

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

APR 1, 95 - JUN 30, 95

WIND DIRECTION	CALM	WIND SPEED(MPH)								TOTAL
		0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.000	0.184	4.042	0.184	0.000	0.000	0.000	0.000	0.000	4.410
NNE	0.000	0.367	3.215	0.138	0.000	0.000	0.000	0.000	0.000	3.721
NE	0.000	0.412	0.322	0.000	0.000	0.000	0.000	0.000	0.000	0.735
ENE	0.000	0.276	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.367
E	0.000	0.184	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.230
ESE	0.000	0.184	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.184
SE	0.000	0.184	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.322
SSE	0.000	0.092	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.184
S	0.000	0.138	0.597	0.046	0.000	0.000	0.000	0.000	0.000	0.781
SSW	0.000	0.000	1.148	0.000	0.000	0.000	0.000	0.000	0.000	1.148
SW	0.000	0.138	0.643	0.184	0.000	0.000	0.000	0.000	0.000	0.965
WSW	0.000	0.046	0.367	0.092	0.000	0.000	0.000	0.000	0.000	0.505
W	0.000	0.000	0.138	0.092	0.000	0.000	0.000	0.000	0.000	0.230
WNW	0.000	0.046	0.184	0.046	0.000	0.000	0.000	0.000	0.000	0.276
NW	0.000	0.138	0.184	0.092	0.000	0.000	0.000	0.000	0.000	0.413
NNW	0.000	0.092	1.011	0.230	0.000	0.000	0.000	0.000	0.000	1.332
SUBTOTAL	0.000	2.480	12.219	1.102	0.000	0.000	0.000	0.000	0.000	15.802

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2179
 TOTAL HOURS OF STABILITY CLASS F 344
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F 344
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2177
 TOTAL HOURS CALM 0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 2.18

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

DATE PRINTED: 24-JUL-95

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

APR 1, 95 - JUN 30, 95

WIND DIRECTION	CALM	WIND SPEED(MPH)										TOTAL
		0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5			
N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NNE	0.000	0.046	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.184	
NE	0.000	0.138	0.184	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.322	
ENE	0.000	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	
E	0.000	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	
ESE	0.000	0.046	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	
SE	0.000	0.184	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.230	
SSE	0.000	0.046	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.138	
S	0.000	0.046	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.184	
SSW	0.000	0.000	0.367	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.367	
SW	0.000	0.000	0.092	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.138	
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
WNW	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
SUBTOTAL	0.000	0.643	1.194	0.046	0.000	0.000	0.000	0.000	0.000	0.000	1.883	

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2179
 TOTAL HOURS OF STABILITY CLASS G 41
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G 41
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2177
 TOTAL HOURS CALM 0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 1.90

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

DATE PRINTED: 24-JUL-95

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T<=-1.9 C/100 M)

SEQUOYAH NUCLEAR PLANT

JUL 1, 95 - SEP 30, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.000	0.000	0.248	1.041	0.297	0.000	0.000	0.000	0.000	1.587
NNE	0.000	0.000	0.942	2.082	0.892	0.347	0.000	0.000	0.000	4.264
NE	0.000	0.000	0.942	0.347	0.050	0.000	0.000	0.000	0.000	1.339
ENE	0.000	0.000	0.297	0.198	0.000	0.000	0.000	0.000	0.000	0.496
E	0.000	0.000	0.198	0.050	0.000	0.000	0.000	0.000	0.000	0.248
ESE	0.000	0.000	0.198	0.050	0.000	0.000	0.000	0.000	0.000	0.248
SE	0.000	0.000	0.198	0.050	0.000	0.000	0.000	0.000	0.000	0.248
SSE	0.000	0.000	0.099	0.099	0.000	0.000	0.000	0.000	0.000	0.198
S	0.000	0.000	0.297	0.248	0.050	0.000	0.000	0.000	0.000	0.595
SSW	0.000	0.000	0.297	0.595	0.496	0.000	0.000	0.000	0.000	1.388
SW	0.000	0.000	0.297	0.496	0.000	0.000	0.000	0.000	0.000	0.793
WSW	0.000	0.000	0.198	0.050	0.000	0.000	0.000	0.000	0.000	0.248
W	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.050
WNW	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.050
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.000	0.000	0.149	0.050	0.000	0.000	0.000	0.000	0.000	0.198
SUBTOTAL	0.000	0.000	4.462	5.354	1.785	0.347	0.000	0.000	0.000	11.948

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2067
TOTAL HOURS OF STABILITY CLASS A	248
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A	241
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2017
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 26-OCT-95

MEAN WIND SPEED = 4.11

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9< DELTA T<-1.7 C/100 M)

SEQUOYAH NUCLEAR PLANT

JUL 1, 95 - SEP 30, 95

WIND DIRECTION	WIND SPEED (MPH)										TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>24.5		
N	0.000	0.000	0.198	0.149	0.149	0.000	0.000	0.000	0.000	0.496	
NNE	0.000	0.000	0.347	0.347	0.496	0.149	0.000	0.000	0.000	1.339	
NNE	0.000	0.000	0.149	0.099	0.000	0.000	0.000	0.000	0.000	0.248	
ENE	0.000	0.000	0.149	0.000	0.000	0.000	0.000	0.000	0.000	0.149	
E	0.000	0.000	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.099	
ESE	0.000	0.000	0.248	0.000	0.000	0.000	0.000	0.000	0.000	0.248	
SE	0.000	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.099	
SSE	0.000	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.050	
S	0.000	0.000	0.198	0.149	0.198	0.000	0.000	0.000	0.000	0.397	
SSW	0.000	0.000	0.347	0.347	0.198	0.000	0.000	0.000	0.000	0.892	
SW	0.000	0.000	0.099	0.198	0.099	0.000	0.000	0.000	0.000	0.397	
WSW	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.050	
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
WNW	0.000	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.099	
NW	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.050	
NNW	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.050	
SUBTOTAL	0.000	0.000	2.033	1.388	1.041	0.198	0.000	0.000	0.000	4.660	

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2067
 TOTAL HOURS OF STABILITY CLASS B 94
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B 94
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2017
 TOTAL HOURS CALM 0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 4.12

DATE PRINTED: 26-OCT-95

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7< DELTA T<=-1.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

JUL 1, 95 - SEP 30, 95

WIND DIRECTION	WIND SPEED (MPH)								TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5
N	0.000	0.000	0.000	0.446	0.149	0.000	0.000	0.000	0.992
NNE	0.000	0.000	0.000	0.694	0.149	0.099	0.000	0.000	1.438
NE	0.000	0.000	0.297	0.099	0.050	0.000	0.000	0.000	0.446
ENE	0.000	0.000	0.050	0.050	0.000	0.000	0.000	0.000	0.099
E	0.000	0.000	0.050	0.050	0.000	0.000	0.000	0.000	0.099
ESE	0.000	0.000	0.099	0.000	0.050	0.000	0.000	0.000	0.149
SE	0.000	0.000	0.050	0.000	0.050	0.000	0.000	0.000	0.099
SSE	0.000	0.000	0.198	0.000	0.000	0.149	0.000	0.000	0.347
S	0.000	0.050	0.198	0.050	0.099	0.000	0.000	0.000	0.397
SSW	0.000	0.000	0.248	0.595	0.099	0.000	0.000	0.000	0.942
SW	0.000	0.050	0.050	0.248	0.000	0.000	0.000	0.000	0.347
WSW	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.050
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.050	0.000	0.000	0.050	0.000	0.000	0.099
NNW	0.000	0.050	0.000	0.050	0.050	0.000	0.000	0.000	0.149
SUBTOTAL	0.000	0.149	2.132	2.281	0.694	0.297	0.000	0.000	5.553

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2067
 TOTAL HOURS OF STABILITY CLASS C 112
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C 112
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2017
 TOTAL HOURS CALM 0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 4.00

DATE PRINTED: 26-OCT-95

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5< DELTA T<=-0.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

JUL 1, 95 - SEP 30, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.020	0.149	1.735	1.140	0.347	0.099	0.000	0.000	0.000	3.490
NNE	0.013	0.149	1.091	1.289	0.793	1.041	0.000	0.000	0.000	4.376
NE	0.006	0.099	0.496	0.029	0.050	0.000	0.000	0.000	0.000	0.750
ENE	0.003	0.050	0.248	0.149	0.000	0.000	0.000	0.000	0.000	0.449
E	0.001	0.000	0.050	0.099	0.050	0.000	0.000	0.000	0.000	0.199
ESE	0.002	0.000	0.198	0.198	0.099	0.000	0.000	0.000	0.000	0.498
SE	0.003	0.099	0.198	0.000	0.050	0.000	0.000	0.000	0.000	0.350
SSE	0.006	0.050	0.496	0.595	0.545	0.198	0.000	0.000	0.000	1.890
S	0.023	0.099	2.132	1.686	0.496	0.545	0.000	0.000	0.000	4.981
SSW	0.030	0.446	2.429	2.975	0.297	0.099	0.000	0.000	0.000	6.277
SW	0.013	0.050	1.239	0.892	0.050	0.000	0.000	0.000	0.000	2.244
WSW	0.008	0.198	0.595	0.297	0.000	0.000	0.000	0.000	0.000	1.099
W	0.005	0.099	0.397	0.000	0.099	0.000	0.000	0.000	0.000	0.600
WNW	0.002	0.050	0.149	0.000	0.000	0.000	0.000	0.000	0.000	0.200
NW	0.005	0.050	0.397	0.099	0.000	0.000	0.000	0.000	0.000	0.550
NNW	0.009	0.000	0.892	0.347	0.347	0.000	0.000	0.000	0.000	1.596
SUBTOTAL	0.149	1.587	12.742	9.866	3.223	1.923	0.000	0.000	0.000	29.549

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2067
TOTAL HOURS OF STABILITY CLASS D	605
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	596
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2017
TOTAL HOURS CALM	3

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 26-OCT-95

MEAN WIND SPEED = 3.83

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/130 M)

SEQUOYAH NUCLEAR PLANT

JUL 1, 95 - SEP 30, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.720	1.190	5.553	1.239	0.149	0.000	0.000	0.000	0.000	8.851
NNE	0.387	1.190	2.429	1.190	0.000	0.000	0.000	0.000	0.000	5.196
NE	0.037	0.149	0.198	0.050	0.050	0.000	0.000	0.000	0.000	0.483
ENE	0.026	0.099	0.149	0.000	0.000	0.000	0.000	0.000	0.000	0.274
E	0.021	0.000	0.198	0.050	0.000	0.000	0.000	0.000	0.000	0.269
ESE	0.032	0.099	0.198	0.050	0.000	0.000	0.000	0.000	0.000	0.379
SE	0.016	0.099	0.050	0.149	0.000	0.000	0.000	0.000	0.000	0.313
SSE	0.111	0.397	0.645	0.050	0.000	0.000	0.000	0.000	0.000	1.202
S	0.159	0.347	1.140	0.099	0.050	0.000	0.000	0.000	0.000	1.795
SSW	0.228	0.446	1.686	0.297	0.050	0.000	0.000	0.000	0.000	2.707
SW	0.281	0.545	2.082	0.347	0.099	0.000	0.000	0.000	0.000	3.354
WSW	0.164	0.446	1.091	0.099	0.000	0.050	0.000	0.000	0.000	1.850
W	0.074	0.099	0.595	0.099	0.000	0.050	0.000	0.000	0.000	0.917
WNW	0.095	0.595	0.297	0.099	0.000	0.000	0.000	0.000	0.000	1.087
NW	0.148	0.595	0.793	0.050	0.099	0.050	0.000	0.000	0.000	1.735
NNW	0.228	0.694	1.438	0.149	0.050	0.000	0.000	0.000	0.000	2.558
SUBTOTAL	2.727	6.991	18.542	4.016	0.545	0.149	0.000	0.000	0.000	32.970

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2067
TOTAL HOURS OF STABILITY CLASS E	684
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	665
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2017
TOTAL HOURS CALM	55

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 26-OCT-95

MEAN WIND SPEED = 2.16

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

JUL 1, 95 - SEP 30, 95

WIND DIRECTION	CALM	WIND SPEED(MPH)								18.5-24.4	24.5	TOTAL
		0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	24.5			
N	0.851	1.140	4.958	0.198	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.158
NNE	0.399	1.041	1.785	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.225
NE	0.035	0.198	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.283
NNE	0.007	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.021	0.050	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170
SE	0.021	0.149	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.170
SSE	0.049	0.248	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.396
S	0.035	0.149	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.283
SSW	0.056	0.099	0.297	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.453
SW	0.042	0.099	0.198	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.339
WSW	0.042	0.149	0.149	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.339
W	0.028	0.149	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.226
WNW	0.028	0.000	0.198	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.226
NW	0.649	0.149	0.198	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.396
NNW	0.161	0.248	0.892	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.401
SUBTOTAL	1.834	3.867	9.122	0.297	0.000	0.000	0.000	0.000	0.000	0.000	0.000	15.121

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2067
 TOTAL HOURS OF STABILITY CLASS F 320
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F 305
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2017
 TOTAL HOURS CALM 37

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 1.68

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

DATE PRINTED: 26-OCT-95

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

JUL 1, 95 - SEP 30, 95

WIND DIRECTION	CALM	WIND SPEED(MPH)							TOTAL
		0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	
N	0.050	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.099
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ENE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WNW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NNW	0.050	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.099
SUBTOTAL	0.099	0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.198

2067

TOTAL HOURS OF VALID STABILITY OBSERVATIONS

TOTAL HOURS OF STABILITY CLASS G

TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G

TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS

TOTAL HOURS CALM

4

4

2017

2

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 1.29

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

DATE PRINTED: 26-OCT-95

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS A (DELTA T=-1.9 C/100 M)

SEQUOYAH NUCLEAR PLANT

OCT 1, 95 - DEC 31, 95

WIND DIRECTION	CALM	WIND SPEED(MPH)									TOTAL
		0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5		
N	0.000	0.000	0.049	0.098	0.342	0.049	0.000	0.000	0.000	0.538	
NNE	0.000	0.000	0.098	0.293	0.489	0.293	0.000	0.000	0.000	1.174	
NE	0.000	0.000	0.440	0.391	0.147	0.000	0.000	0.000	0.000	0.978	
ENE	0.000	0.000	0.293	0.098	0.000	0.000	0.000	0.000	0.000	0.391	
E	0.000	0.000	0.098	0.049	0.000	0.000	0.000	0.000	0.000	0.147	
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
SSE	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.049	
S	0.000	0.000	0.049	0.049	0.000	0.293	0.000	0.000	0.000	0.391	
SSW	0.000	0.000	0.196	0.342	0.244	0.049	0.000	0.000	0.000	0.831	
SW	0.000	0.000	0.196	0.538	0.391	0.049	0.000	0.000	0.000	1.174	
WSW	0.000	0.000	0.147	0.000	0.000	0.293	0.000	0.000	0.000	0.489	
W	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.049	
WNW	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.049	
NW	0.000	0.000	0.000	0.000	0.049	0.244	0.000	0.000	0.000	0.293	
NNW	0.000	0.000	0.000	0.000	0.049	0.342	0.000	0.000	0.000	0.391	
SUBTOTAL	0.000	0.000	1.614	1.907	1.711	1.663	0.000	0.000	0.000	6.895	

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2191
 TOTAL HOURS OF STABILITY CLASS A 142
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS A 141
 TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS 2045
 TOTAL HOURS CALM 0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 5.53

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

DATE PRINTED: 23-JAN-96

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS B (-1.9 < DELTA T < -1.7 C/100 M)

SEQUOYAH NUCLEAR PLANT

OCT 1, 95 - DEC 31, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.000	0.000	0.000	0.147	0.098	0.098	0.049	0.000	0.000	0.391
NNE	0.000	0.000	0.196	0.147	0.293	0.293	0.049	0.000	0.000	0.978
NE	0.000	0.000	0.244	0.293	0.244	0.147	0.000	0.000	0.000	0.929
ENE	0.000	0.000	0.147	0.000	0.000	0.000	0.000	0.000	0.000	0.147
E	0.000	0.000	0.098	0.098	0.000	0.000	0.000	0.000	0.000	0.196
ESE	0.000	0.000	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.098
SE	0.000	0.000	0.098	0.098	0.000	0.000	0.000	0.000	0.000	0.196
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.147	0.000	0.049	0.049	0.000	0.000	0.000	0.244
SSW	0.000	0.000	0.049	0.440	0.049	0.000	0.000	0.000	0.000	0.538
SW	0.000	0.000	0.196	0.342	0.000	0.000	0.000	0.000	0.000	0.538
WSW	0.000	0.000	0.098	0.000	0.000	0.049	0.000	0.000	0.000	0.147
W	0.000	0.000	0.049	0.000	0.000	0.049	0.000	0.000	0.000	0.098
WNW	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.049
NW	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.049
NNW	0.000	0.000	0.000	0.147	0.147	0.000	0.000	0.000	0.000	0.293
SUBTOTAL	0.000	0.000	1.418	1.760	0.880	0.733	0.098	0.000	0.000	4.890

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2191
TOTAL HOURS OF STABILITY CLASS B	104
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS B	100
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2045
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 23-JAN-96

MEAN WIND SPEED = 5.09

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS C (-1.7 < DELTA T <= -1.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

OCT 1, 95 - DEC 31, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.000	0.000	0.000	0.049	0.049	0.147	0.000	0.000	0.000	0.244
NNE	0.000	0.000	0.342	0.098	0.147	0.587	0.098	0.000	0.000	1.271
NE	0.000	0.000	0.391	0.147	0.196	0.000	0.000	0.000	0.000	0.733
ENE	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.049
E	0.000	0.000	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.098
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SSE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
S	0.000	0.000	0.049	0.049	0.000	0.049	0.000	0.000	0.000	0.147
SSW	0.000	0.000	0.049	0.342	0.049	0.000	0.000	0.000	0.000	0.440
SW	0.000	0.049	0.147	0.538	0.098	0.000	0.000	0.000	0.000	0.831
WSW	0.000	0.000	0.147	0.049	0.000	0.098	0.000	0.000	0.000	0.293
W	0.000	0.000	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.049
WNW	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.049
NW	0.000	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.049
NNW	0.000	0.000	0.000	0.147	0.196	0.049	0.000	0.000	0.000	0.391
SUBTOTAL	0.000	0.049	1.320	1.467	0.733	0.978	0.098	0.000	0.000	4.645

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2191
TOTAL HOURS OF STABILITY CLASS C	96
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS C	55
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2045
TOTAL HOURS CALM	0

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 23-JAN-96

MEAN WIND SPEED = 5.40

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS D (-1.5 < DELTA T <= -0.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

OCT 1, 95 - DEC 31, 95

WIND DIRECTION	WIND SPEED(MPH)									TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	
N	0.021	0.342	1.222	1.663	2.689	1.467	0.000	0.000	0.000	7.405
NNE	0.026	0.147	1.809	1.760	1.369	2.298	0.049	0.000	0.000	7.459
NE	0.007	0.049	0.489	0.391	0.098	0.000	0.098	0.000	0.000	1.132
ENE	0.004	0.098	0.196	0.049	0.000	0.000	0.000	0.000	0.000	0.346
E	0.001	0.000	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.099
ESE	0.001	0.000	0.049	0.000	0.000	0.049	0.000	0.000	0.000	0.098
SE	0.002	0.000	0.147	0.000	0.000	0.000	0.000	0.000	0.000	0.149
SSE	0.005	0.098	0.293	0.049	0.000	0.000	0.000	0.000	0.000	0.445
S	0.014	0.147	0.929	0.440	0.196	0.636	0.098	0.000	0.000	2.459
SSW	0.020	0.147	1.369	1.565	0.587	0.489	0.000	0.000	0.000	4.177
SW	0.021	0.147	1.418	1.369	0.342	0.244	0.000	0.000	0.000	3.542
WSW	0.006	0.049	0.440	0.049	0.196	0.244	0.000	0.000	0.000	0.984
W	0.004	0.098	0.196	0.049	0.000	0.196	0.000	0.000	0.000	0.542
WNW	0.003	0.049	0.196	0.147	0.147	0.244	0.000	0.000	0.000	0.786
NW	0.005	0.098	0.244	0.538	0.440	0.196	0.000	0.000	0.000	1.520
NNW	0.006	0.244	0.244	0.782	1.467	0.538	0.000	0.000	0.000	3.283
SUBTOTAL	0.147	1.711	9.340	8.851	7.531	6.601	0.244	0.000	0.000	34.425

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2191
TOTAL HOURS OF STABILITY CLASS D	728
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS D	704
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2045
TOTAL HOURS CALM	3

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 23-JAN-96

MEAN WIND SPEED = 5.14

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS E (-0.5< DELTA T<= 1.5 C/100 M)

SEQUOYAH NUCLEAR PLANT

OCT 1, 95 - DEC 31, 95

WIND DIRECTION	CALM	0.6-1.4	1.5-3.4	WIND SPEED(MPH)		7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
				3.5-5.4	5.5-7.4					
N	0.200	0.685	2.836	1.320	0.782	0.342	0.000	0.000	0.000	6.166
NNE	0.150	0.489	2.152	0.782	0.685	0.293	0.000	0.000	0.000	4.551
NE	0.017	0.098	0.196	0.049	0.000	0.000	0.000	0.000	0.000	0.359
ENE	0.011	0.147	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.207
E	0.006	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.103
ESE	0.011	0.196	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.207
SE	0.017	0.244	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.310
SSE	0.022	0.196	0.196	0.049	0.000	0.000	0.098	0.000	0.000	0.560
S	0.080	0.391	1.027	0.636	0.342	0.293	0.098	0.000	0.000	2.868
SSW	0.150	0.244	2.396	1.174	0.489	0.196	0.000	0.000	0.000	4.649
SW	0.133	0.196	2.152	1.516	0.391	0.049	0.000	0.000	0.000	4.436
WSW	0.044	0.196	0.587	0.196	0.196	0.000	0.000	0.000	0.000	1.218
W	0.025	0.196	0.244	0.049	0.049	0.000	0.000	0.000	0.000	0.563
WNW	0.033	0.244	0.342	0.342	0.000	0.000	0.049	0.000	0.000	1.011
NW	0.044	0.196	0.587	0.391	0.196	0.049	0.000	0.000	0.000	1.462
NNW	0.083	0.342	1.125	0.440	0.342	0.000	0.000	0.000	0.000	2.333
SUBTOTAL	1.027	4.108	13.985	6.944	3.472	1.222	0.244	0.000	0.000	31.002

TOTAL HOURS OF VALID STABILITY OBSERVATIONS	2191
TOTAL HOURS OF STABILITY CLASS E	685
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS E	634
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2045
TOTAL HOURS CALM	21

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 23-JAN-96

MEAN WIND SPEED = 3.38

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS F (1.5< DELTA T<= 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

OCT 1, 95 - DEC 31, 95

WIND DIRECTION	CALF	0.6-1.4	1.5-3.4	WIND SPEED(MPH)		7.5-12.4	12.5-18.4	18.5-24.4	>=24.5	TOTAL
				3.5-5.4	5.5-7.4					
N	0.187	0.342	2.445	0.098	0.000	0.000	0.000	0.000	0.000	3.072
NNE	0.265	1.222	2.738	0.000	0.000	0.000	0.000	0.000	0.000	4.226
NE	0.059	0.636	0.244	0.000	0.000	0.000	0.000	0.000	0.000	0.939
ENE	0.010	0.049	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.157
E	0.007	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.104
ESE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SE	0.010	0.147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.157
SSE	0.020	0.196	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.313
S	0.039	0.342	0.244	0.049	0.000	0.000	0.000	0.000	0.000	0.675
SSW	0.075	0.196	0.929	0.049	0.000	0.000	0.000	0.000	0.000	1.249
SW	0.072	0.049	1.027	0.196	0.000	0.000	0.000	0.000	0.000	1.343
WSW	0.007	0.000	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.104
W	0.007	0.000	0.098	0.147	0.000	0.000	0.000	0.000	0.000	0.251
WNW	0.020	0.098	0.196	0.098	0.000	0.000	0.000	0.000	0.000	0.411
NW	0.036	0.244	0.293	0.196	0.000	0.000	0.000	0.000	0.000	0.769
NNW	0.069	0.293	0.733	0.196	0.000	0.000	0.000	0.000	0.000	1.291
SUBTOTAL	0.880	3.912	9.242	1.027	0.000	0.000	0.000	0.000	0.000	15.061

AL HOURS OF VALID STABILITY OBSERVATIONS	2191
TOTAL HOURS OF STABILITY CLASS F	357
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS F	308
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY OBSERVATIONS	2045
TOTAL HOURS CALM	18

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
 STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
 WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

DATE PRINTED: 23-JAN-96

MEAN WIND SPEED = 1.96

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

JOINT PERCENTAGE FREQUENCIES OF WIND SPEED BY WIND DIRECTION FOR

STABILITY CLASS G (DELTA T > 4.0 C/100 M)

SEQUOYAH NUCLEAR PLANT

T 1, 95 - DEC 31, 95

WIND DIRECTION	WIND SPEED(MPH)								TOTAL
	CALM	0.6-1.4	1.5-3.4	3.5-5.4	5.5-7.4	7.5-12.4	12.5-18.4	18.5-24.4	>=24.5
N	0.010	0.049	0.147	0.000	0.000	0.000	0.000	0.000	0.206
NNE	0.035	0.147	0.538	0.000	0.000	0.000	0.000	0.000	0.719
NE	0.015	0.147	0.147	0.000	0.000	0.000	0.000	0.000	0.308
ENE	0.005	0.049	0.049	0.000	0.000	0.000	0.000	0.000	0.103
E	0.002	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.051
ESE	0.005	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.103
SE	0.007	0.147	0.000	0.000	0.000	0.000	0.000	0.000	0.154
SSE	0.005	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.103
S	0.017	0.147	0.196	0.000	0.000	0.000	0.000	0.000	0.360
SSW	0.022	0.098	0.342	0.000	0.000	0.000	0.000	0.000	0.462
SW	0.012	0.000	0.244	0.049	0.000	0.000	0.000	0.000	0.306
WSW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
W	0.002	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.051
WNW	0.005	0.000	0.098	0.000	0.000	0.000	0.000	0.000	0.103
HW	0.002	0.000	0.049	0.000	0.000	0.000	0.000	0.000	0.051
NHW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SUBTOTAL	0.147	1.027	1.858	0.049	0.000	0.000	0.000	0.000	3.081

TOTAL HOURS OF VALID STABILITY OBSERVATIONS 2191
TOTAL HOURS OF STABILITY CLASS G 79
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-STABILITY CLASS G 63
TOTAL HOURS OF VALID WIND DIRECTION-WIND SPEED-OBSERVATIONS 2045
TOTAL HOURS CALM 3

METEOROLOGICAL FACILITY: SEQUOYAH NUCLEAR PLANT
STABILITY BASED ON DELTA-T BETWEEN 9.25 AND 45.99 METERS
WIND SPEED AND DIRECTION MEASURED AT 9.73 METER LEVEL

MEAN WIND SPEED = 1.69

NOTE: TOTALS AND SUBTOTALS ARE OBTAINED FROM UNROUNDED NUMBERS

DATE PRINTED: 23-JAN-96