KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

February 19, 1982



Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

KMLNRC 82-163
Re: Docket No. STN 50-482
Ref: KMLNRC 81-097, dated July 15, 1981 from GLKoester, KG&E, to HRDenton, NRC

Dear Mr. Denton:

Enclosed is an update of the meteorological data in Section 2.3 of the Wolf Creek FSAR Addendum, including a complete reanalysis of the three years of meteorological data collected at the Site. This update was required since in response to NRC question Q451.07 and 451.11 data was invalidated, terrain/recirculation correction factors were recalculated, and a reanalysis performed.

These changes have resulted in increases of annual average X/Q's near the Site of approximately 15 percent or less. An examination of the revised X/Q values in light of the previous dose calculations finds that the maximum concentrations and depositions still occur in the north section. Although revised dose calculations based on the new X/Q's have not been completed, it is estimated that maximum doses have increased only about six percent in the worst sector. These estimated increases are insignificant when compared to the design objective allowed under Appendix I and our previous margin to Appendix I limits. Revised gaseous dose calculations will be provided to the NRC by July 1, 1982.

Short term X/Q's used in accident analyses have decreased slightly based on this reanalysis. The dose consequences of accidents presented in Chapter 15.0 of the SNUPPS FSAR are therefore conservative and are not planned to be revised.

Although these updated pages are marked Rev. 8 - 2/82, they will be changed to read Rev. 9 and will be included in Revision 9 of the Wolf Creek FSAR Addendum. This information is hereby incorporated into the Wolf Creek Generating Station Operating License Application.

8202230305 820219
PDR ADOCK 05000482
A PDR

Yours very truly,

Glenn L Koester

GLK:bb
cc: Mr. J.B. Hopkins (2)
Mr. Thomas Vandel

Boo1
6/1

OATH OF AFFIRMATION

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

I, Glenn L. Koester, of lawful age, being duly sworn upon oath, do depose, state and affirm that I am Vice President - Nuclear of Kansas Gas and Electric Company, Wichita, Kansas, that I have signed the foregoing letter of transmittal, know the contents thereof, and that all statements contained therein are true.

KANSAS GAS AND ELECTRIC COMPANY

ATTEST:

By Glenn L Koester
Glenn L. Koester
Vice President - Nuclear

Jack Skelton
Jack Skelton, Assistant Secretary

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

BE IT REMEMBERED, that on this 19th day of February, 1982, before me, Evelyn L. Fry, a Notary, personally appeared Glenn L. Koester, Vice President - Nuclear of Kansas Gas and Electric Company, Wichita, Kansas, who is personally known to me and who executed the foregoing instrument, and he duly acknowledged the execution of the same for and on behalf of and as the act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the date and year above written.

EVELYN L. FRY
NOTARY PUBLIC
STATE OF KANSAS

Evelyn L. Fry
Notary

My Commission expires August 15, 1984.

Table 2.3-23 gives the frequency distributions for the persistence of wind direction at Chanute F.S.S. in each season. Southerly and north-northwesterly winds are most persistent, with the former dominating in spring, summer, and fall, and the latter in winter. The maximum persistence during the spring, summer, fall, and winter is 60 hours, 33 hours, 45 hours, and 36 hours, respectively. No calms last longer than 21 hours.

The joint wind-stability characteristics of the site area are defined by Table 2.3-24. The table is based on 10 years of standard National Weather Service (previously the U.S. Weather Bureau) 3-hourly observation at Chanute F.S.S., covering the period January, 1955 to December, 1964. For each observation the stability existing at that time was calculated by the Turner-Pasquill method in program "STAR", supplied by the National Climatic Center, Asheville, North Carolina. In the version of the program used for this study, Pasquill stability class G is not distinguished from class F; rather, the two are treated as a single class which is designated as F. The mean wind speeds for each stability class are as follows:

Stability Class	Mean Wind Speed (knots)
A	1.7
B	4.7
C	9.2
D	13.1
E	8.2
F	3.9

Tables 2.3-25 and 2.3-26 give the wind roses for the lower level (10-m) and upper level (60-m) winds, respectively, for this 3-year period of on-site data. These wind roses are also displayed graphically on Figures 2.3-15 through 2.3-18. Wind roses on a monthly basis are provided in Tables 2.3-27 (10-m) and 2.3-28 (60-m). For the 10-meter level, the mean annual wind speed is 9.2 knots (4.6 m/sec) and the prevailing direction is south. Comparison of onsite data with long-term Chanute F.S.S. indicate that similar wind patterns occur at both sites. The prevailing direction is southerly, except for the winter months when it shifts to a north-northwesterly direction. Wind speeds at Chanute F.S.S. are slightly higher than those onsite; however, at both sites they are strongest during March and April. Joint frequencies of wind speed, direction, and stability for the total period are presented in Tables 2.3-29 (10-m) and 2.3-30 (60-m). These joint frequencies are given on a monthly basis in Tables 2.3-31 (10-m) and 2.3-32 (60-m). The stability frequency (in percent of total time) over the total period is distributed as follows: A=11.29, B=5.13, C=6.10, D=30.99, E=23.92, F=13.42, G=9.15 (Table 2.3-29). The most

frequent occurrence of Stability Class A is during the early summer months. Stability Class G occurs most frequently during the fall.

Diurnal variation of wind speed and direction, average, and extreme winds for the total period are presented in Table 2.3-11, and on a monthly basis in Table 2.3-12. Table 2.3-33 provides the total period lower level wind persistence for each stability class; for all classes combined (Pasquill All) and all stable classes (Pasquill #S#), respectively. Southerly, northerly and north-northwesterly winds are most persistent onsite; the same pattern has also been noted at Chanute F.S.S.

2.3.2.1.6 Cloud Cover and Sunshine

Average monthly and annual daylight cloud cover and sunshine for Topeka and Wichita are given in Table 2.3-34 and Table 2.3-35.

2.3.2.1.7 Stability

The seasonal persistence of stability frequency distribution at Chanute Flight Service Station is depicted in Table 2.3-36. For all seasons, only Class D stability conditions have a persistence exceeding 15 hours. In spring, fall, and winter more than 10 percent of Class D stability conditions persist for longer than 102 hours, while the upper limit for summer persistence is 96 hours.

Onsite diurnal variation of stability statistics can be found for the total period in Table 2.3-11 and monthly in Table 2.3-12. Table 2.3-37 presents a stability persistence summary for the 3-year onsite data set. The only stability classes to persist more than 24 hours are classes D and E.

2.3.2.2 Potential Influence of the Plant and Its Facilities on the Environment

Site characteristics and general arrangements of the facilities for the plant and cooling lake are shown in Figure 2.4-1, while the plant layout is shown in Figures 1.2-2 and 2.1-3.

To create the cooling lake, an earth dam was constructed across Wolf Creek at a point about 3.1 miles south of the plant site. In addition, saddle dams were constructed at low points on the western topographic ridge (Figure 2.4-1). The nearest of these dams will be approximately 1.2 miles west of the plant site.

Phase 2 monitoring program, an initial field calibration was performed and subsequent calibrations were performed during mid-March and mid-June of 1979. During the entire operation of the program, calibration is performed on each of the instruments and their recorders at 3-month intervals. During the operational monitoring program, calibration is performed according to the schedule specified in the Technical Specifications. The instruments are checked and cleaned, parts replaced as necessary, and then recalibrated according to the following schedule:

a. The temperature reference and dewpoint transducers were field calibrated against NBS calibrated thermometers and an Assman Psychrometer during Phase 1 and 2. In addition, an ice bath is used to calibrate the reference temperature during Phase 2.

b. Each separate temperature difference was calibrated by comparison with a calibrated thermistor pair during Phase 1; during Phase 2 the system is calibrated using an ice bath.

c. The wind direction indicators are calibrated and the reference direction (west) checked;

d. The pyranometer output and its amplifier card were checked during Phase 1; during Phase 2 the pyranometer was not used.

e. Zero and span tests are made on the recorders.

2.3.3.5.2 Maintenance

The meteorological tower site was visited on Monday, Wednesday, and Friday of every week during periods of normal operation during Phase 1; during Phase 2 the instruments are checked each work day. If any instrument or parameter is found to be out of tolerances specified in the checklists, the cognizant engineer is notified and corrective action is taken. This ensures detection of instrument failure before extended periods of data are lost.

An inventory of spare parts is kept on hand to back up critical instruments and equipment if they should fail completely.

2.3.3.5.3 Data Recovery

The concurrent data recovery for temperature difference between 32 and 196 feet and wind speed and direction was 96.7 percent for wind measured at 32 feet and 93.2 percent for winds measured at 196 feet during Phase 1.

Data recovery for Phase 1 is presented in Table 2.3-51.

During the Phase 2 monitoring program the dewpoint sensor was not rendered operational until March 22, 1979. Data recovery for the period March 5, 1979 to March 4, 1980 is provided in Table 2.3-52. Concurrent data recovery for the parameters critical for diffusion analyses (wind direction, wind speed, and temperature difference) is 85.4 percent for winds measured at 32 feet and 83.6 percent for winds measured at 196 feet.

For the entire 3-year period, concurrent data recovery measured at both wind levels of 32 and 196 feet exceeds 90.0 percent. Concurrent data recovery for wind measured at 32 feet was 92.9 percent and for wind measured at 196 feet is 90.0 percent.

2.3.3.6 Data Recording Systems

2.3.3.6.1 Phase 1 Preoperational Monitoring Program

Analog output from the sensors was transmitted to strip chart recorders via a Climet translator (Model 060-020).

Each level of wind data was recorded on a two-channel Esterline-Angus recorder (Model E1102R). The temperature data were recorded on a six-channel multi-point Esterline-Angus recorder (Model E1124E). The solar radiation data were recorded on a two-channel Esterline-Angus recorder (Model E1102R). These recorders were housed in the instruments shed.

The digital system consisted of a Hewlett-Packard (HP) 3485A scanning digital voltmeter with an HP 9600A computer system for sampling and storing all meteorological parameters once every minute. Using an HP 2100A mini-computer and a Data Acquisition and Control Executive (DACE) operating system together with a supplied program, hourly values for each parameter were computed and stored in memory. These values were printed and punched on paper tape every 24 hours at the site on an ASR33 teletype unit.

2.3.3.6.2 Phase 2 and Operational Monitoring Programs

Analog output signals from the wind speed, wind direction, and precipitation monitors are recorded on Esterline-Angus recorders (Model E1102R) as in Phase 1. Wind sigma values for each monitored level are recorded on Esterline-Angus mini-servo recorders (Model MS601C). Temperature difference across three height ranges for Phase 2 and one height range for the operational phase are recorded along with the 32-foot reference temperature using a Leeds & Northrup multi-point chart recorder (Model 251). All recorders are located in the instrument shed.

3.	Temperature difference (ΔT)	primary ΔT from 32 feet to 196 feet
		secondary ΔT from 32 feet to 277 feet

The secondary measurement is necessary only during periods of outage of the primary system, and is reduced to the appropriate level as follows:

a. Wind speed at 116 feet is converted to wind speed at 32 feet using the power law:

$$V_{32} = V_{116} \left[\frac{32}{116} \right]^{s} \qquad [2.3\text{-}25]$$

where:

V_{32} = the wind speed at 32 feet;

V_{116} = the wind speed at 116 feet;

s = 0.25 for Pasquill Classes A, B, C, and D and 0.50 for Classes E, F, and G.

b. Wind direction at 116 feet is directly substituted for wind direction at 32 feet;

c. ΔT between 32 and 277 feet is converted to ΔT between 32 and 196 feet by proportional extrapolation:

$$\Delta T_{196-32} = \Delta T_{277-32} \left[\frac{164}{245} \right] \qquad [2.3\text{-}26]$$

where:

ΔT_{277-32} = Temperature difference between 277 and 32 feet.

ΔT_{196-32} = Temperature difference between 196 and 32 feet.

It has not been necessary to substitute the 116-foot level wind direction for the 32-foot level wind direction.

Ninety-five percent joint data recovery of 10-meter (32 feet) wind speed, wind direction, and ΔT at the permanent tower

site has been obtained after including substitutions for the period between June 1, 1973 and May 31, 1974. Ninety-one percent joint data recovery of 60-meter (196 feet) winds and ΔT has been obtained for the same period.

2.3.3.7.2 Phase 2 and Operational Data Recording

The analog chart records are removed for processing twice per month. The frequency of chart removal was increased over that used for Phase 1 to minimize the loss of valid data due to system failure. Upon removal, each chart is stamped and identified by date, instrument, and measurement level. Each chart is inspected for record interruptions, time errors, power failures, and symptomatic instrument malfunctions. Following inspection of the charts, the data are reduced to hourly averages for each parameter and recorded on keypunch forms. Approximately 10 percent of each data record is reduced independently and compared to previously reduced data to ensure the accuracy of the reduction procedure. Following a review of the reduced data, the data are keypunched, verified, and loaded onto the computer system for subsequent analysis.

2.3.3.7.3 Data Analysis and Summaries

The hourly values of meteorological parameters are then processed through a number of computer programs (METEOR 3 - a, b; ACNTXXX and ANDIFF - c, d; certified and documented), which yield the following:

a. Joint frequency distribution of wind speed and wind direction by each of 7 Pasquill Stability Classes;

b. Frequency distribution of temperature and dewpoint temperature;

c. Frequency distribution of the relative concentration;

d. Annual average values of relative concentration with direction and distance.

and the annual average χ/Q (see Section 2.3.5) at the same point. The highest of the 16 sector χ/Q values are identified for each time period.

2.3.4.1.3 Five and Fifty Percent Overall Site χ/Q Value

The χ/Q values that are exceeded no more than 5 and 50 percent of the total time around the exclusion area boundary and the outer LPZ boundary are determined in a manner similar to the 0.5 percent sector χ/Q values. All of the hourly χ/Q values were sorted according to magnitude (independent of the direction) and the 5 and 50 percent values chosen from the list. For the same time periods used in Section 2.3.4.1.2, the 5 and 50 percent χ/Q values are determined by logarithmic interpolation between the maximum annual average χ/Q values at the LPZ distance and the LPZ 2-hour 5 and 50 percent χ/Q value.

2.3.4.2 Results of Short-Term Diffusion Estimates

Two-hour χ/Q values were computed at the exclusion zone boundary (1200 m) and χ/Q values for 2-, 8-, 16-, 72-, and 624-hour postulated accident periods were computed at the LPZ (4023 m). The computations were based on onsite meteorological data for three one-year data sets; June 1, 1973 through May 31, 1975, and March 5, 1979 through March 4, 1980. An analysis was also performed for the 3 years of data combined.

Results of the analysis for each data set and the combined three-year period are presented in Tables 2.3-55 through 58. Each table presents the greatest 0.5 percent 0-2 hour χ/Q values for each of the 16 sectors at the exclusion zone boundary (1200 m) and the greatest 0.5 percent 2-, 8-, 16-, 72-, and 624-hour χ/Q values for each of the 16 sectors at the LPZ (4023 m). The highest sector value for each accident period is asterisked to clarify the maximum sector χ/Q value at the exclusion zone boundary and the LPZ for each accident period. Also presented in each table are the greatest 0-2 hour 5 and 50 percent χ/Q values at the exclusion zone boundary and the greatest 5 and 50 percent χ/Q values for each accident period at the LPZ.

The highest 0.5 percent 2-hour χ/Q values resulted from the analysis of the June 1, 1973 through May 31, 1974 data set. For this period the maximum sector χ/Q for the LPZ was 2.8×10^{-4} sec/m^3 in the ENE sector and 8.3×10^{-4} sec/m^3 for the exclusion zone boundary in the ENE sector. The highest 5 and 50 percent 2-hour χ/Q values resulted from the analysis of the March 5, 1979 through March 4, 1980 data set. The greatest 5 and 50 percent χ/Q values were 4.5×10^{-5} sec/m^3 and 5.0×10^{-6} sec/m^3 for the LPZ and 1.5×10^{-4} sec/m^3 and 2.8×10^{-5} sec/m^3 for the exclusion zone boundary, respectively.

of 0.25 for unstable and neutral conditions and 0.50 for stable conditions.

Mixing heights for Topeka, Kansas (Holzworth, 1972) were used for both the mixed-mode and ground-level calculations. In these calculations, the mixing height was interpolated between the morning (7 a.m.) and afternoon (4 p.m.) mixing heights. The morning and afternoon mixing heights on a monthly basis were interpolated between seasonal values.

2.3.5.1.1.2 Terrain/Recirculation Correction Factors

The terrain/recirculation correction factors (TCF) for the ground-level and mixed-mode release cases were determined as the ratio between the PUFF-advection χ/Q estimates and the straight-line χ/Q estimates in the following form:

$$TCF_{(r,\theta)} = \frac{\frac{\chi}{Q}(r,\theta)_P}{\frac{\chi}{Q}(r,\theta)_S} \qquad [2.3\text{-}33]$$

where:

$TCF_{(r,\theta)}$ = Terrain/recirculation correction factor at distance, r, in sector, θ;

$\frac{\chi}{Q}(r,\theta)_P$ = Annual average relative concentration at a point (r,θ) using a PUFF-advection modeling scheme (sec/m^3); and

$\frac{\chi}{Q}(r,\theta)_S$ = Annual average relative concentration at a point (r,θ) using a straight-line modeling scheme (sec/m^3).

Terrain/recirculation correction factors at the 22 standard distances, based on the data period June 1, 1973 through May 31, 1974, for ground-level and mixed-mode releases are provided in Tables 2.3-59 and 2.3-60, respectively. TCFs for the restricted area, the low population zone (LPZ) boundary, and the organic receptor distances are presented in Table 2.3-61 for ground-level and mixed-mode releases.

PUFF calculations were performed at the 10 distances given in Section 2.3.5.1.1.1 to obtain the required diffusion estimates. Diffusion estimates at the restricted area, LPZ boundary, organic receptor (humans, animals, vegetation) distances, and those standard distances not listed in Section 2.3.5.1.1.1 were estimated by logarithmic interpolation

$$E_t = 2.58 - 1.58\ (W_o / \bar{u}) \text{ for } 1 < W_o / \bar{u} \leq 1.5 \qquad [2.3\text{-}38]$$

and

$$E_t = 0.3 - 0.06\ (W_o / \bar{u}) \text{ for } 1.5 < W_o / \bar{u} \leq 5.0 \qquad [2.3\text{-}39]$$

The release is considered to occur as an elevated release $100(1 - E_t)$ percent of the time and as a ground-level release $100E_t$ percent of the time. Each of these cases is evaluated separately, and the concentration is calculated according to the fraction of time each type of release occurs. Wind speeds representative of conditions at the actual release heights are used for the times when the release is considered to be elevated. Wind speeds measured at the 10-meter level are used for those times when the effluent plume is considered to be a ground release.

2.3.5.1.2.1.1 Effective Stack Height

A momentum plume rise model suggested by Regulatory Guide 1.111 was used to estimate the rise of the effluent from the elevated vents. The calculated effective stack heights are an average of effective stack heights at the site boundary, LPZ, and organic receptor distances. Effective stack heights actually vary among the distances by a few meters.

2.3.5.1.2.1.2 Local Terrain Correction

The terrain above plant grade within 50 km of the Wolf Creek site is essentially flat and substantial bodies of water are absent. Based on USGS quad maps, elevations above plant grade do not exceed 25 meters within a 40-km distance in any sector.

2.3.5.1.2.2 Ground-Level Release Model

Using the ground-level release model, the hourly relative concentration values are calculated at the sector defined by the wind direction using the equation:

$$\chi/Q = \frac{2.032}{\sigma_z \bar{u} D} \qquad [2.3\text{-}40]$$

where:

χ/Q = Relative ground-level concentration (sec/m^3);

σ_z = Vertical standard deviation of the plume (meters);

$\bar{u}$ = Average wind speed (m/sec); and

D = Distance from the source (meters).

TABLE 2.3-11

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(ANNUAL)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: THREE YEARS COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/05/81. 13.14.50.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

HOUR	DRY BULB 10.00	DEW POINT 10.00	DELTA TEMP 10.00 60.00	STAB CLASS 10.00 60.00	DELTA TEMP 10.00 85.00	STAB CLASS 10.00 85.00	WIND SPEED 10.00	WIND DIR 10.00	WIND SPEED 60.00	WIND DIR 60.00	REL HUMID 10.00
	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	10.6	5.7	.9	F	1.2	F	4.0	SSE	7.3	S	70.2
2	10.2	5.6	.9	F	1.1	F	4.0	SSE	7.2	S	71.4
3	9.9	5.5	.9	F	1.1	E	3.9	SSE	7.2	S	72.4
4	9.5	5.4	.8	F	1.1	E	4.0	SSE	7.1	S	73.3
5	9.3	5.3	.8	F	1.1	E	4.0	SSE	7.1	S	74.1
6	9.1	5.3	.7	E	1.0	E	4.0	SSE	7.1	S	74.7
7	9.4	5.5	.3	E	.6	E	4.2	SSE	6.9	S	74.2
8	10.2	5.8	-.1	E	-.0	E	4.5	S	6.8	S	72.0
9	11.4	6.1	-.5	D	-.6	D	5.0	S	6.9	SSW	68.5
10	12.6	6.2	-.8	C	-.9	D	5.4	SSW	7.0	SSW	64.4
11	13.8	6.3	-.9	B	-1.0	D	5.6	SSW	7.1	SSW	60.5
12	14.8	6.3	-.9	B	-1.1	D	5.6	SSW	7.1	SSW	57.2
13	15.5	6.3	-.9	B	-1.1	D	5.7	SSW	7.2	SSW	54.7
14	16.1	6.2	-.9	B	-1.1	D	5.8	SSW	7.3	SSW	52.9
15	16.4	6.2	-.8	C	-1.1	D	5.7	SSW	7.3	SSW	51.8
16	16.6	6.1	-.7	D	-1.0	D	5.6	S	7.2	S	51.2
17	16.3	6.0	-.6	D	-.8	D	5.2	S	7.1	S	51.8
18	15.6	6.1	-.2	E	-.4	D	4.7	SSE	7.0	SSE	54.2
19	14.6	6.2	.2	E	.2	E	4.2	SE	7.0	SSE	57.6
20	13.6	6.2	.6	E	.6	E	4.1	SE	7.2	SSE	61.0
21	12.7	6.1	.8	F	.9	E	4.1	SE	7.4	SSE	63.7
22	12.1	6.0	.9	F	1.0	E	4.1	SE	7.4	SSE	65.9
23	11.6	5.9	.9	F	1.1	E	4.1	SE	7.5	SSE	67.4
24	11.0	5.8	.9	F	1.2	F	4.0	SSE	7.4	SSE	68.8
ABSOLUTE MAX	39.6	28.5					16.5		20.7		100.0
AVG DAILY MAX	17.5	8.7					7.3		10.3		79.7
MEAN	12.6	5.9	.1	E	.1	E	4.6	SSE	7.2	S	63.9
CLIMATIC MEAN	12.7	5.9					4.7		7.1		63.5
AVG DAILY MIN	7.9	3.0					2.1		4.0		47.2
ABSOLUTE MIN	-22.7	-27.0					0.0		0.0		11.7
STANDARD DEV	10.9	9.9					2.4		2.9		17.7
VALID OBS	25898	24750	24092	24092	24047	24047	25673	25615	24955	24817	24686
INVALID OBS	406	1554	2212	2212	2257	2257	631	689	1349	1487	1618
TOTAL OBS	26304	26304	26304	26304	26304	26304	26304	26304	26304	26304	26304
DATA RECOVERY	98.5	94.1	91.6	91.6	91.4	91.4	97.6	97.4	94.9	94.3	93.8

TABLE 2.3-11 (Continued)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(ANNUAL)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/04/81. 11.55.32.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP 10.00 60.00	STAB CLASS 10.00 60.00	DELTA TEMP 10.00 85.00	STAB CLASS 10.00 85.00	WIND SPEED	WIND DIR	WIND SPEED	WIND DIR	REL HUMID
	10.00	10.00					10.00	10.00	60.00	60.00	10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	11.3	7.1	.9	F	1.1	E	4.1	SSE	7.6	S	71.2
2	11.0	7.1	.9	F	1.1	E	4.1	SSE	7.5	S	72.4
3	10.6	7.0	.9	F	1.0	E	4.0	SSE	7.5	S	73.5
4	10.3	6.9	.9	F	1.0	E	4.1	SSE	7.4	S	74.5
5	10.1	6.9	.8	F	1.0	E	4.1	S	7.4	SSW	75.3
6	10.0	6.8	.7	E	.9	E	4.2	SSE	7.4	SSW	75.6
7	10.4	7.1	.3	E	.5	E	4.3	S	7.2	S	74.8
8	11.2	7.4	-.2	E	-.1	E	4.7	S	7.1	SSW	72.5
9	12.4	7.7	-.5	D	-.7	D	5.2	SSW	7.3	SSW	68.8
10	13.6	7.9	-.8	C	-1.0	D	5.5	SSW	7.3	SSW	64.7
11	14.7	8.0	-.8	C	-1.1	D	5.7	SSW	7.5	SSW	61.0
12	15.7	8.1	-.9	B	-1.1	C	5.7	SSW	7.3	SSW	57.8
13	16.4	8.1	-.9	B	-1.2	C	5.8	SSW	7.5	SSW	55.4
14	16.9	7.9	-.9	B	-1.2	C	5.8	SSW	7.5	SSW	53.9
15	17.3	7.9	-.8	C	-1.1	D	5.7	SSW	7.6	SSW	52.7
16	17.3	7.8	-.7	D	-1.0	D	5.5	S	7.5	SSW	52.6
17	16.9	7.8	-.5	D	-.7	D	5.1	S	7.4	S	53.5
18	16.2	7.8	-.1	E	-.3	E	4.5	SSE	7.3	S	55.8
19	15.2	7.8	.3	E	.2	E	4.1	SSE	7.5	SSE	59.3
20	14.2	7.8	.7	E	.6	E	4.1	SE	7.6	SSE	62.4
21	13.4	7.7	.9	F	.9	E	4.0	SE	7.7	SSE	64.9
22	12.8	7.5	.9	F	1.0	E	4.0	SSE	7.8	SSE	67.0
23	12.3	7.4	1.0	F	1.1	E	4.1	SSE	7.9	SSE	68.5
24	11.7	7.2	1.0	F	1.1	E	4.1	SSE	7.8	S	69.9
ABSOLUTE MAX	37.5	28.5					16.5		20.7		100.0
AVG DAILY MAX	18.3	10.3					7.5		10.8		80.9
MEAN	13.4	7.5	.1	E	.1	E	4.7	S	7.5	S	65.0
CLIMATIC MEAN	13.5	7.4					4.8		7.4		64.4
AVG DAILY MIN	8.8	4.6					2.0		4.0		48.0
ABSOLUTE MIN	-22.7	-27.0					0.0		0.0		16.4
STANDARD DEV	11.1	9.9					2.5		2.9		17.0
VALID OBS	8695	8305	7819	7819	8583	8583	8430	8393	8095	7986	8303
INVALID OBS	65	455	941	941	177	177	330	367	665	774	457
TOTAL OBS	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
DATA RECOVERY	99.3	94.8	89.3	89.3	98.0	98.0	96.2	95.8	92.4	91.2	94.8

TABLE 2.3-11 (Continued)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(ANNUAL)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: JUNE 1, 1974 THROUGH MAY 31, 1975

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/04/81. 13.19.37.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

HOUR	DRY BULB 10.00	DEW POINT 10.00	DELTA TEMP 10.00 60.00	STAB CLASS 10.00 60.00	DELTA TEMP 10.00 85.00	STAB CLASS 10.00 85.00	WIND SPEED 10.00	WIND DIR 10.00	WIND SPEED 60.00	WIND DIR 60.00	REL HUMID 10.00
	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	10.3	5.3	.8	F	1.1	E	4.1	SSE	7.1	S	71.2
2	10.0	5.3	.8	F	1.1	E	4.0	SSE	7.0	S	72.4
3	9.6	5.1	.7	E	1.1	E	4.0	SSE	6.9	S	73.2
4	9.3	5.0	.7	E	1.0	E	4.0	SSE	6.9	S	74.1
5	9.0	4.9	.7	E	1.1	E	4.0	SSE	6.8	S	75.0
6	8.9	5.0	.6	E	.9	E	4.0	SSE	6.7	S	75.4
7	9.4	5.2	.1	E	.4	E	4.2	SSE	6.6	S	74.7
8	10.2	5.5	-.4	D	-.2	E	4.6	S	6.4	S	72.5
9	11.4	5.8	-.7	D	-.7	D	5.2	S	6.6	S	68.8
10	12.5	5.8	-.9	B	-1.0	D	5.5	SSW	6.8	S	64.9
11	13.6	5.8	-1.0	A	-1.1	D	5.7	SSW	6.9	S	61.1
12	14.6	5.9	-1.0	A	-1.1	C	5.8	SSW	7.0	SSW	58.0
13	15.3	5.8	-1.0	A	-1.1	C	5.9	SSW	7.1	SSW	55.8
14	15.7	5.8	-1.0	A	-1.1	D	5.9	SSW	7.2	SSW	54.1
15	16.1	5.8	-.9	B	-1.1	D	5.8	SSW	7.1	SSW	52.9
16	16.2	5.7	-.9	B	-1.0	D	5.8	SSW	7.1	SSW	52.2
17	16.0	5.7	-.7	D	-.8	D	5.4	S	7.0	S	53.2
18	15.2	5.8	-.3	D	-.4	D	4.8	S	6.8	S	55.7
19	14.2	5.9	.1	E	.2	E	4.3	SSE	6.8	SSE	59.4
20	13.2	5.9	.5	E	.6	E	4.1	SE	7.0	SSE	62.8
21	12.4	5.8	.7	E	.9	E	4.2	SE	7.2	SSE	65.3
22	11.7	5.7	.7	E	1.0	E	4.2	SE	7.2	SSE	67.1
23	11.2	5.6	.8	F	1.0	E	4.3	SSE	7.3	SSE	68.6
24	10.8	5.4	.8	F	1.1	E	4.2	SSE	7.2	S	69.9
ABSOLUTE MAX	39.6	23.8					15.9		19.7		100.0
AVG DAILY MAX	17.0	8.3					7.4		10.2		80.3
MEAN	12.4	5.6	-.0	E	.1	E	4.8	S	6.9	S	64.9
CLIMATIC MEAN	12.4	5.5					4.8		7.0		64.4
AVG DAILY MIN	7.7	2.7					2.2		3.8		48.6
ABSOLUTE MIN	-15.9	-22.5					0.0		0.0		18.0
STANDARD DEV	10.7	9.2					2.4		2.9		18.2
VALID OBS	8756	8736	8700	8700	8506	8506	8574	8560	8375	8359	8732
INVALID OBS	4	24	60	60	254	254	186	200	385	401	28
TOTAL OBS	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760	8760
DATA RECOVERY	100.0	99.7	99.3	99.3	97.1	97.1	97.9	97.7	95.6	95.4	99.7

Rev. 8
2/82

TABLE 2.3-11 (Continued)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(ANNUAL)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/04/81. 14.42.25.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

HOUR	DRY BULB 10.00 DEG C	DEW POINT 10.00 DEG C	DELTA TEMP 10.00 60.00 DEG C	STAB CLASS 10.00 60.00	DELTA TEMP 10.00 85.00 DEG C	STAB CLASS 10.00 85.00	WIND SPEED 10.00 M/SEC	WIND DIR 10.00	WIND SPEED 60.00 M/SEC	WIND DIR 60.00	REL HUMID 10.00 PCT
1	10.1	4.5	1.1	F	1.3	F	3.8	SE	7.2	SSE	68.0
2	9.8	4.5	1.0	F	1.3	F	3.8	SSE	7.1	SSE	69.2
3	9.4	4.4	1.0	F	1.3	F	3.8	SSE	7.1	SSE	70.2
4	9.0	4.2	1.0	F	1.3	F	3.8	SSE	7.1	S	71.1
5	8.7	4.1	.9	F	1.2	F	3.8	SSE	7.1	S	71.9
6	8.5	4.0	.9	F	1.2	F	3.8	SSE	7.0	S	72.8
7	8.5	4.1	.6	E	.9	E	3.9	SSE	6.9	S	73.0
8	9.1	4.3	.2	E	.3	E	4.3	S	6.8	S	71.0
9	10.2	4.7	-.3	D	-.4	D	4.7	S	6.7	S	67.7
10	11.7	4.9	-.6	D	-.8	D	5.1	SSW	6.8	SSW	63.5
11	13.0	4.9	-.7	D	-.9	D	5.4	SSW	7.0	SSW	59.3
12	14.2	5.0	-.8	C	-1.0	D	5.4	SSW	7.0	SSW	55.6
13	15.0	4.9	-.8	C	-1.0	D	5.5	SSW	7.1	SSW	52.7
14	15.6	4.7	-.8	C	-1.0	D	5.5	SSW	7.1	S	50.3
15	16.0	4.8	-.7	D	-1.0	D	5.6	S	7.1	S	49.4
16	16.3	4.6	-.6	D	-.9	D	5.5	S	7.2	S	48.4
17	16.1	4.6	-.5	D	-.8	D	5.2	SSE	7.0	SSE	48.6
18	15.4	4.7	-.2	E	-.5	D	4.7	SE	6.8	SE	50.8
19	14.5	4.8	.2	E	.1	E	4.2	SE	6.8	SE	53.8
20	13.3	4.9	.6	E	.6	E	4.0	ESE	7.0	SE	57.7
21	12.3	4.8	.8	F	1.0	E	4.0	ESE	7.3	SE	60.8
22	11.7	4.8	.9	F	1.1	F	4.0	ESE	7.3	SE	63.3
23	11.2	4.7	1.0	F	1.2	F	3.9	SE	7.2	SE	64.9
24	10.5	4.5	1.0	F	1.3	F	3.8	SE	7.2	SSE	66.5
ABSOLUTE MAX	34.1	22.5					14.8		18.8		100.0
AVG DAILY MAX	17.1	7.4					7.0		10.0		77.9
MEAN	12.1	4.6	.2	E	.2	E	4.5	SSE	7.0	SSE	61.7
CLIMATIC MEAN	12.1	4.6					4.6		7.1		61.4
AVG DAILY MIN	7.1	1.8					2.2		4.2		44.9
ABSOLUTE MIN	-18.5	-21.4					0.0		0.0		11.7
STANDARD DEV	10.9	10.3					2.4		2.9		17.8
VALID OBS	8447	7709	7573	7573	6958	6958	8669	8662	8485	8472	7651
INVALID OBS	337	1075	1211	1211	1826	1826	115	122	299	312	1133
TOTAL OBS	8784	8784	8784	8784	8784	8784	8784	8784	8784	8784	8784
DATA RECOVERY	96.2	87.8	86.2	86.2	79.2	79.2	98.7	98.6	96.6	96.4	87.1

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL JANUARY COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/10/81. 15.02.03.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP	STAB CLASS	DELTA TEMP	STAB CLASS	WIND SPEED	WIND DIR	WIND SPEED	WIND DIR	REL HUMID
	10.00	10.00	10.00 60.00	10.00 60.00	10.00 85.00	10.00 85.00	10.00	10.00	60.00	60.00	10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	-2.2	-5.7	.6	E	.8	E	3.7	NW	6.7	WNW	69.3
2	-2.3	-5.7	.6	E	.8	E	3.9	NW	6.9	NW	69.7
3	-2.4	-5.9	.5	E	.7	E	4.1	NNW	7.1	NW	70.3
4	-2.8	-6.0	.5	E	.6	E	4.2	NW	7.1	WNW	70.6
5	-3.0	-6.2	.4	E	.6	E	4.2	WNW	7.1	WNW	70.7
6	-3.2	-6.3	.4	E	.5	E	4.1	NW	7.1	NW	70.9
7	-3.3	-6.4	.4	E	.6	E	4.1	NNW	7.1	NW	70.8
8	-3.3	-6.3	.3	E	.5	E	4.2	NW	7.0	WNW	71.5
9	-3.0	-6.1	.1	E	.1	E	4.4	N	7.1	NW	71.7
10	-2.0	-5.3	-.5	D	-.5	D	4.9	NNW	7.0	WNW	70.2
11	-.9	-4.9	-.7	D	-.7	D	5.1	N	6.8	W	68.0
12	.4	-4.3	-.7	D	-.8	D	5.2	W	6.7	WSW	63.1
13	.8	-4.2	-.8	C	-.9	D	5.2	W	6.8	W	63.2
14	1.5	-4.4	-.7	D	-.9	D	5.3	WSW	6.8	WSW	61.7
15	1.9	-4.3	-.7	D	-.9	D	5.3	W	6.8	WSW	59.8
16	1.9	-4.5	-.6	D	-.8	D	5.2	W	6.8	WSW	59.4
17	1.6	-4.7	-.4	D	-.6	D	4.6	NW	6.7	SW	59.4
18	.8	-4.8	-.0	E	-.1	E	4.1	ENE	6.6	SSW	61.3
19	.2	-4.9	.3	E	.3	E	4.0	ENE	6.9	S	63.6
20	-.6	-5.1	.4	E	.5	E	4.1	NE	7.1	NW	65.2
21	-1.0	-5.2	.5	E	.6	E	4.1	ENE	7.3	W	66.1
22	-1.2	-5.4	.5	E	.7	E	3.9	NNE	7.1	W	67.4
23	-1.5	-5.6	.6	E	.9	E	3.8	NNW	7.2	W	67.6
24	-1.9	-5.7	.5	E	.8	E	3.8	W	6.9	WNW	68.2
ABSOLUTE MAX	16.6	10.3					13.8		18.1		94.3
AVG DAILY MAX	3.1	-2.0					7.0		10.1		78.6
MEAN	-1.1	-5.3	.1	E	.1	E	4.4	NW	6.9	WNW	66.7
CLIMATIC MEAN	-1.0	-5.5					4.4		6.7		65.9
AVG DAILY MIN	-5.1	-8.9					1.8		3.4		53.2
ABSOLUTE MIN	-22.7	-27.0					0.0		0.0		19.2
STANDARD DEV	7.1	6.3					2.2		2.9		15.9
VALID OBS	2201	2060	2173	2173	1641	1641	2037	2036	1974	1968	2031
INVALID OBS	31	172	59	59	591	591	195	196	258	264	201
TOTAL OBS	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232
DATA RECOVERY	98.6	92.3	97.4	97.4	73.5	73.5	91.3	91.2	88.4	88.2	91.0

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL FEBRUARY COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/10/81. 15.33.48.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP 10.00 60.00	STAB CLASS 10.00 60.00	DELTA TEMP 10.00 85.00	STAB CLASS 10.00 85.00	WIND SPEED 10.00	WIND DIR 10.00	WIND SPEED 60.00	WIND DIR 60.00	REL HUMID 10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	-1.2	-5.8	.5	E	.6	E	4.2	NNW	7.3	NNW	68.0
2	-1.4	-6.0	.5	E	.6	E	4.3	N	7.2	N	68.0
3	-1.7	-6.1	.5	E	.6	E	4.2	N	7.3	NNW	68.1
4	-2.0	-6.3	.5	E	.6	E	4.3	NNW	7.5	NW	68.2
5	-2.2	-6.5	.4	E	.6	E	4.4	NNW	7.5	NNW	68.5
6	-2.4	-6.6	.4	E	.5	E	4.4	NW	7.5	NNW	69.2
7	-2.5	-6.6	.3	E	.4	E	4.5	NW	7.2	NNW	69.4
8	-2.6	-6.6	.2	E	.3	E	4.4	NNW	7.0	NNW	70.1
9	-2.0	-6.1	-.2	E	-.3	E	4.9	NW	7.0	NNW	69.8
10	-1.0	-5.4	-.6	D	-.7	D	5.3	NNW	7.0	NNW	68.8
11	.1	-5.1	-.7	D	-1.0	D	5.5	WNW	7.0	NW	66.3
12	1.1	-4.7	-.8	C	-1.1	D	5.6	W	6.8	WNW	64.3
13	1.9	-4.3	-.8	C	-1.1	D	5.7	W	7.0	WNW	62.2
14	2.5	-4.3	-.8	C	-1.1	D	5.8	W	7.1	WNW	60.6
15	3.0	-4.0	-.7	D	-1.1	D	5.7	WNW	7.0	WNW	60.0
16	3.2	-4.0	-.7	D	-1.0	D	5.5	WNW	6.9	NW	59.2
17	3.1	-4.1	-.6	D	-.9	D	5.2	NW	6.9	NW	60.3
18	2.5	-4.3	-.3	D	-.5	D	4.7	NNW	6.8	NNW	61.6
19	1.6	-4.5	.1	E	.0	E	4.1	N	6.8	NNW	63.4
20	1.0	-4.7	.4	E	.3	E	4.1	N	6.9	NNW	65.0
21	.4	-5.0	.5	E	.5	E	4.3	NNW	7.3	NNW	66.1
22	-.1	-5.2	.5	E	.6	E	4.3	N	7.2	NNW	66.8
23	-.4	-5.4	.6	E	.7	E	4.4	N	7.4	NNW	67.2
24	-.7	-5.5	.6	E	.7	E	4.3	NW	7.4	N	67.7
ABSOLUTE MAX	19.3	5.7					16.1		18.6		98.7
AVG DAILY MAX	4.4	-2.0					7.6		10.6		77.7
MEAN	.0	-5.3	-.0	E	-.1	E	4.8	NW	7.1	NW	65.8
CLIMATIC MEAN	.1	-5.3					4.8		7.1		66.1
AVG DAILY MIN	-4.2	-8.6					2.1		3.6		54.4
ABSOLUTE MIN	-18.5	-21.3					0.0		0.0		16.4
STANDARD DEV	6.4	5.0					2.5		3.1		16.2
VALID OBS	2040	20[illegible]	2033	2033	2040	2040	1854	1852	1617	1616	2000
INVALID OBS	0	[illegible]	7	7	0	0	186	188	423	424	40
TOTAL OBS	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040	2040
DATA RECOVERY	100.0	98.2	99.7	99.7	100.0	100.0	90.9	90.8	79.3	79.2	98.0

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VA .TION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL MARCH CO)INED

DATA SOURCE: ON-SITE
TABLE GENERATED: 1)/.0/81. 15.47.44.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DE POINT	DELTA TEMP	STAB CLASS	DELTA TEMP	STAB CLASS	WIND SPEED	WIND DIR	WIND SPEED	WIND DIR	REL HUMID
	10.00	10.00	10.00 60.00	10.00 60.00	10.00 85.00	10.00 85.00	10.00	10.00	60.00	60.00	10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	4.5	-.9	.5	E	.7	E	4.7	ESE	7.7	SSE	68.1
2	4.2	-.9	.6	E	.8	E	4.8	ESE	7.8	SSE	69.2
3	3.9	-1.0	.5	E	.8	E	4.7	ESE	7.6	SSE	70.3
4	3.6	-1.0	.5	E	.8	E	4.7	ESE	7.8	SSE	71.6
5	3.4	-.9	.5	E	.8	E	4.8	ESE	7.8	S	72.1
6	3.2	-1.0	.4	E	.7	E	5.0	ESE	7.8	SE	72.5
7	3.1	-1.1	.3	E	.5	E	4.9	SE	7.7	SSE	73.1
8	3.5	-.9	-.1	E	.1	E	5.1	SE	7.4	SE	72.4
9	4.5	-.5	-.6	D	-.6	D	5.7	S	7.6	SSE	70.2
10	5.6	-.2	-.8	C	-.9	D	6.2	WSW	7.7	W	67.1
11	6.8	-.2	-.9	B	-1.0	D	6.6	WSW	8.0	W	62.7
12	7.7	-.1	-.9	B	-1.1	D	6.7	WSW	8.2	W	59.9
13	8.7	.1	-.9	B	-1.1	D	6.8	W	8.3	W	57.5
14	9.3	.3	-.9	B	-1.1	D	6.7	WSW	8.1	WSW	55.9
15	9.8	.4	-.9	B	-1.1	D	6.8	W	8.3	W	54.7
16	10.2	.6	-.8	B	-1.0	D	6.7	WSW	8.4	WSW	53.7
17	10.2	.5	-.7	D	-.9	D	6.5	WSW	8.2	SW	53.3
18	9.7	.4	-.5	D	-.6	D	5.7	WSW	7.8	SW	54.7
19	8.7	.4	-.1	E	-.1	E	4.8	NE	7.4	ENE	58.2
20	7.6	.3	.2	E	.2	E	4.8	E	7.6	ESE	61.9
21	6.8	.1	.3	E	.4	E	4.9	E	7.8	ESE	64.0
22	6.0	-.2	.4	E	.6	E	4.9	ENE	8.0	E	65.3
23	5.5	-.4	.5	E	.6	E	4.9	E	8.0	E	66.3
24	5.0	-.7	.5	E	.7	E	4.8	SE	7.9	SE	67.1
ABSOLUTE MAX	28.9	16.0					15.0		18.8		100.0
AVG DAILY MAX	11.4	3.5					8.6		11.4		79.7
MEAN	6.3	-.3	-.1	E	-.1	E	5.5	SSE	7.9	SSE	64.2
CLIMATIC MEAN	6.4	-.3					5.5		7.8		63.7
AVG DAILY MIN	1.4	-4.0					2.4		4.2		47.7
ABSOLUTE MIN	-16.5	-20.0					0.0		.8		17.2
STANDARD DEV	8.0	7.2					2.8		3.3		16.7
VALID OBS	2019	1786	1669	1669	1669	1669	2218	2214	2165	2163	1786
INVALID OBS	213	446	563	563	563	563	14	18	67	69	446
TOTAL OBS	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232
DATA RECOVERY	90.5	80.0	74.8	74.8	74.8	74.8	99.4	99.2	97.0	96.9	80.0

SNUPPS-WC

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL APRIL COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/11/81. 10.37.57.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

HOUR	DRY BULB 10.00 DEG C	DEW POINT 10.00 DEG C	DELTA TEMP 10.00 60.00 DEG C	STAB CLASS 10.00 60.00	DELTA TEMP 10.00 85.00 DEG C	STAB CLASS 10.00 85.00	WIND SPEED 10.00 M/SEC	WIND DIR 10.00	WIND SPEED 60.00 M/SEC	WIND DIR 60.00	REL HUMID 10.00 PCT
1	10.5	4.5	.8	F	1.1	E	5.0	SE	8.3	SSE	66.7
2	10.1	4.3	.7	E	1.0	E	4.9	SE	8.2	SSE	67.6
3	9.7	4.2	.7	E	1.0	E	5.0	SE	8.3	SSE	68.7
4	9.3	4.1	.7	E	1.1	E	4.9	SE	8.2	SSE	69.8
5	9.0	3.9	.7	E	1.0	E	5.0	SE	8.3	SSE	70.7
6	8.8	3.9	.6	E	.9	E	5.0	SSE	8.2	SSE	71.7
7	9.2	4.2	.2	E	.4	E	5.4	SE	8.2	SSE	71.4
8	10.3	4.5	-.5	D	-.4	D	6.2	SSE	8.3	SSE	67.7
9	11.6	4.8	-.7	D	-.9	D	6.7	S	8.2	SSE	63.1
10	13.0	4.8	-.9	B	-1.0	D	6.8	S	8.2	S	58.7
11	14.2	4.7	-.9	B	-1.1	D	7.1	SSW	8.6	SSW	54.3
12	14.9	4.7	-1.0	A	-1.1	D	7.1	SW	8.6	SW	52.0
13	15.7	4.6	-.9	B	-1.1	D	7.2	SW	8.7	SW	50.4
14	16.1	4.7	-.9	B	-1.1	D	7.2	SW	8.6	SSW	49.4
15	16.5	4.5	-.9	B	-1.1	D	7.3	SSW	8.9	SSW	48.1
16	16.6	4.6	-.8	C	-1.0	D	7.2	SSW	8.8	SSW	47.9
17	16.5	4.6	-.7	D	-.8	D	6.9	SSW	8.6	SSW	47.8
18	16.1	4.6	-.5	D	-.6	D	6.2	S	8.1	S	49.2
19	15.2	4.9	-.1	E	-.1	E	5.2	SE	7.6	SSE	52.3
20	14.0	5.0	.4	E	.4	E	4.8	SE	7.7	SE	56.3
21	13.1	5.0	.6	E	.7	E	4.9	ESE	8.1	SE	59.3
22	12.3	4.8	.7	E	.9	E	5.1	SE	8.3	SE	61.4
23	11.7	4.8	.8	F	1.0	E	5.1	SE	8.3	SE	63.8
24	11.1	4.7	.9	F	1.1	F	5.0	SE	8.2	SSE	65.6
ABSOLUTE MAX	28.0	19.2					16.2		20.7		97.9
AVG DAILY MAX	17.7	7.6					9.1		11.9		78.1
MEAN	12.7	4.6	-.0	E	.0	E	5.9	SSE	8.3	SSE	59.8
CLIMATIC MEAN	12.6	4.6					5.9		8.3		60.9
AVG DAILY MIN	7.4	1.6					2.8		4.7		43.6
ABSOLUTE MIN	-7.6	-11.8					.7		.6		19.3
STANDARD DEV	6.6	6.3					2.7		3.1		17.8
VALID OBS	2129	1995	2096	2096	2091	2091	2120	2120	2116	2116	1995
INVALID OBS	31	165	64	64	69	69	40	40	44	44	165
TOTAL OBS	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
DATA RECOVERY	98.6	92.4	97.0	97.0	96.8	96.8	98.1	98.1	98.0	98.0	92.4

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL MAY COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/11/81. 10.41.53.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP	STAB CLASS	DELTA TEMP	STAB CLASS	WIND SPEED	WIND DIR	WIND SPEED	WIND DIR	REL HUMID
	10.00	10.00	10.00 60.00	10.00 60.00	10.00 85.00	10.00 85.00	10.00	10.00	60.00	60.00	10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	16.2	10.7	.9	F	1.2	F	4.4	SE	7.2	SSE	70.4
2	15.8	10.6	1.0	F	1.2	F	4.3	SE	7.0	SE	72.0
3	15.4	10.5	.9	F	1.2	F	4.2	SE	7.0	SE	73.2
4	15.0	10.3	.9	F	1.2	F	4.2	SE	7.0	SE	74.3
5	14.5	10.3	1.0	F	1.3	F	4.2	SE	7.0	SSE	75.9
6	14.4	10.3	.9	F	1.3	F	4.2	SE	7.0	SSE	76.7
7	15.0	10.7	.1	E	.4	E	4.4	SSE	6.8	SSE	75.9
8	16.3	11.3	-.6	D	-.5	D	5.0	SSE	6.4	SSE	72.5
9	17.7	11.6	-.8	C	-.9	D	5.8	S	7.0	SSE	68.4
10	18.8	11.5	-.8	C	-1.0	D	6.1	SSE	7.5	SSE	63.8
11	19.8	11.4	-.9	B	-1.1	D	6.2	SSE	7.6	SSE	59.9
12	20.7	11.2	-1.0	A	-1.2	C	6.3	SSE	7.6	SSE	56.1
13	21.4	11.1	-1.0	A	-1.2	C	6.4	SSE	7.7	SSE	53.6
14	21.9	11.0	-.9	B	-1.1	D	6.3	S	7.7	S	51.8
15	22.4	11.1	-.9	B	-1.1	D	6.2	SSE	7.4	SSE	50.4
16	22.6	11.1	-.8	C	-1.0	D	6.1	S	7.5	SSE	49.7
17	22.6	11.1	-.7	D	-.9	D	5.9	SSE	7.4	SSE	49.9
18	22.2	11.2	-.5	D	-.7	D	5.6	SE	7.3	SE	51.5
19	21.2	11.4	-.2	E	-.2	E	4.8	SE	6.9	SE	55.0
20	20.0	11.4	.3	E	.3	E	4.4	SE	7.0	SE	59.0
21	19.0	11.4	.6	E	.8	E	4.1	SE	6.9	SE	62.5
22	18.2	11.4	.8	F	1.0	E	4.3	ESE	7.2	SE	65.3
23	17.6	11.3	.9	F	1.1	E	4.3	SE	7.2	SE	67.3
24	16.9	11.1	.9	F	1.2	F	4.3	SE	7.4	SE	68.9
ABSOLUTE MAX	30.0	22.0					16.5		20.1		98.7
AVG DAILY MAX	23.4	13.8					8.0		10.6		81.2
MEAN	18.6	11.1	.0	E	.0	E	5.1	SE	7.2	SSE	63.4
CLIMATIC MEAN	18.6	11.0					5.1		7.3		63.6
AVG DAILY MIN	13.7	8.3					2.3		4.0		45.9
ABSOLUTE MIN	3.4	-1.5					.5		.6		18.0
STANDARD DEV	5.0	5.1					2.6		3.0		16.6
VALID OBS	2189	2184	2161	2161	2150	2150	2186	2186	2171	2170	2183
INVALID OBS	43	48	71	71	82	82	46	46	61	62	49
TOTAL OBS	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232
DATA RECOVERY	98.1	97.8	96.8	96.8	96.3	96.3	97.9	97.9	97.3	97.2	97.8

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL JUNE COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/11/81. 10.54.26.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP 10.00 60.00	STAB CLASS 10.00 60.00	DELTA TEMP 10.00 85.00	STAB CLASS 10.00 85.00	WIND SPEED 10.00	WIND DIR 10.00	WIND SPEED 60.00	WIND DIR 60.00	REL HUMID 10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	19.3	14.4	1.0	F	1.3	F	3.8	S	7.2	S	[illegible]
2	18.9	14.3	1.0	F	1.2	F	3.7	S	7.0	S	75.1
3	18.4	14.1	1.0	F	1.3	F	3.7	S	7.0	S	76.1
4	18.0	14.0	1.0	F	1.3	F	3.7	S	6.8	S	77.8
5	17.7	13.9	1.0	F	1.3	F	3.5	S	6.5	S	78.9
6	17.9	14.1	.7	E	1.0	E	3.8	S	6.7	SSW	78.9
7	18.9	14.5	-.1	E	.0	E	4.1	S	6.3	S	75.9
8	20.4	14.8	-.6	D	-.7	D	4.8	SSW	6.5	SSW	70.4
9	21.8	14.7	-.8	C	-1.0	D	5.0	SSW	6.6	SSW	64.4
10	22.8	14.5	-.9	B	-1.1	D	5.1	SSW	6.6	SSW	60.4
11	23.8	14.4	-1.0	A	-1.2	C	5.3	SSW	6.7	SSW	56.8
12	24.7	14.3	-1.0	A	-1.2	C	5.4	SSW	6.8	SSW	53.8
13	25.4	14.2	-1.0	A	-1.2	C	5.6	SSW	7.0	SSW	51.2
14	26.0	14.2	-.9	B	-1.2	C	5.5	SSW	7.0	SSW	49.6
15	26.3	14.1	-.9	B	-1.1	D	5.4	SSW	7.0	SSW	48.0
16	26.7	14.3	-.8	C	-1.0	D	5.5	S	7.2	S	47.4
17	26.7	14.3	-.7	D	-.9	D	5.5	S	7.3	S	47.9
18	26.1	14.4	-.5	D	-.8	D	5.2	S	7.2	S	50.3
19	25.0	14.7	-.2	E	-.3	E	4.7	S	7.2	S	54.0
20	23.6	14.9	.3	E	.3	E	4.2	SSE	7.0	S	58.9
21	22.4	14.9	.7	E	.8	E	4.0	SSE	7.4	SSE	63.5
22	21.4	14.9	.9	F	1.0	E	4.0	SSE	7.4	S	66.9
23	20.8	14.8	.9	F	1.1	E	4.0	SSE	7.5	S	69.0
24	20.1	14.7	1.0	F	1.2	F	3.9	S	7.4	S	71.2
ABSOLUTE MAX	37.0	24.7					13.5		17.1		100.0
AVG DAILY MAX	27.1	16.9					7.0		9.9		82.1
MEAN	22.2	14.4	.0	E	-.0	E	4.6	S	7.0	S	63.4
CLIMATIC MEAN	22.1	14.5					4.6		7.0		63.9
AVG DAILY MIN	17.1	12.0					2.2		4.0		45.7
ABSOLUTE MIN	10.6	3.0					0.0		0.0		17.3
STANDARD DEV	4.6	4.3					2.3		2.7		18.2
VALID OBS	2136	2086	2062	2062	1955	1955	2152	2118	2135	2126	2084
INVALID OBS	24	74	98	98	205	205	8	42	25	34	76
TOTAL OBS	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
DATA RECOVERY	98.9	96.6	95.5	95.5	90.5	90.5	99.6	98.1	98.8	98.4	96.5

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL JULY COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/11/81. 13.42.02.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP	STAB CLASS	DELTA TEMP	STAB CLASS	WIND SPEED	WIND DIR	WIND SPEED	WIND DIR	REL HUMID
	10.00	10.00	10.00 60.00	10.00 60.00	10.00 85.00	10.00 85.00	10.00	10.00	60.00	60.00	10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	22.5	16.7	1.3	F	1.6	F	3.4	SE	7.1	SSE	70.2
2	22.1	16.7	1.2	F	1.5	F	3.2	SSE	6.8	SSE	71.8
3	21.7	16.7	1.2	F	1.5	F	3.1	SSE	6.9	SSE	73.5
4	21.4	16.7	1.2	F	1.5	F	2.9	SSE	6.6	S	75.2
5	21.0	16.7	1.2	F	1.5	F	2.8	SSE	6.2	S	76.8
6	21.0	16.7	.8	F	1.1	E	2.9	SE	6.0	S	76.7
7	22.2	17.2	-.1	E	.1	E	3.3	SSE	5.6	S	74.1
8	23.7	17.6	-.7	D	-.7	D	4.0	S	5.7	S	69.4
9	25.3	17.7	-.9	B	-1.1	D	4.5	S	6.0	S	63.6
10	26.7	17.6	-1.0	A	-1.2	C	4.6	S	6.1	S	58.6
11	27.9	17.3	-.9	B	-1.2	C	4.7	S	6.1	S	54.3
12	28.9	16.9	-1.0	A	-1.3	B	4.6	S	6.0	S	50.1
13	29.6	16.6	-1.0	A	-1.3	B	4.7	S	6.2	SSE	47.2
14	30.3	16.5	-1.0	A	-1.2	C	4.8	SSE	6.3	SSE	44.9
15	30.5	16.4	-.9	B	-1.2	C	4.7	SSE	6.5	SSE	44.4
16	30.5	16.3	-.9	B	-1.1	D	4.7	SSE	6.4	SSE	44.4
17	30.2	16.2	-.7	D	-.9	D	4.7	SSE	6.4	SSE	44.2
18	29.7	16.5	-.5	D	-.7	D	4.3	SSE	6.5	SSE	46.8
19	28.5	16.7	-.0	E	-.2	E	3.8	SE	6.6	SSE	50.5
20	27.0	16.8	.6	E	.6	E	3.4	SE	6.7	SE	54.9
21	25.7	16.8	1.0	F	1.1	E	3.5	SE	7.1	SE	59.3
22	24.7	16.7	1.1	F	1.3	F	3.5	SE	7.2	SE	62.4
23	23.9	16.6	1.2	F	1.4	F	3.5	SE	7.2	SSE	65.0
24	23.2	16.6	1.2	F	1.5	F	3.4	SE	7.2	SSE	67.1
ABSOLUTE MAX	39.6	28.5					11.9		14.3		100.0
AVG DAILY MAX	30.9	19.1					6.1		9.0		79.4
MEAN	25.8	16.8	.1	E	.1	E	3.9	SSE	6.5	SSE	60.2
CLIMATIC MEAN	25.7	16.9					4.0		6.5		60.9
AVG DAILY MIN	20.4	14.6					1.9		4.0		42.4
ABSOLUTE MIN	14.9	7.3					.4		.8		18.0
STANDARD DEV	4.9	3.3					1.9		2.2		19.1
VALID OBS	2201	2180	2133	2133	2133	2133	2225	2224	2156	2128	2158
INVALID OBS	31	52	99	99	99	99	7	8	76	104	74
TOTAL OBS	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232
DATA RECOVERY	98.6	97.7	95.6	95.6	95.6	95.6	99.7	99.6	96.6	95.3	96.7

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL AUGUST COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/11/81. 13.51.50.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP 10.00 60.00	STAB CLASS 10.00 60.00	DELTA TEMP 10.00 85.00	STAB CLASS 10.00 85.00	WIND SPEED 10.00	WIND DIR 10.00	WIND SPEED 60.00	WIND DIR 60.00	REL HUMID 10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	21.2	16.5	.9	F	1.1	E	3.3	SSE	6.9	S	75.0
2	20.6	16.5	1.0	F	1.1	F	3.2	SSE	6.7	S	77.9
3	20.2	16.3	.9	F	1.1		3.0	SSE	6.5	S	78.9
4	19.9	16.3	1.0	F	1.2	F	3.1	SSE	6.3	S	80.1
5	19.5	16.2	1.0	F	1.1	E	3.2	SSE	6.3	S	81.3
6	19.4	16.3	.8	F	1.1	E	3.3	SSE	6.4	S	82.0
7	20.2	16.5	.1	E	.2	E	3.5	S	5.9	S	80.0
8	21.6	17.1	-.5	D	-.6	D	4.0	S	5.6	S	75.7
9	23.2	17.2	-.8	C	-1.0	D	4.4	SSW	5.9	SSW	69.8
10	24.5	17.2	-.8	C	-1.1	C	4.8	SSW	6.2	SSW	64.6
11	25.6	17.0	-.9	B	-1.2	C	4.9	SSW	6.5	SSW	59.9
12	26.5	16.9	-.9	B	-1.2	C	4.9	S	6.4	S	56.9
13	27.2	16.8	-.9	B	-1.2	C	5.0	S	6.5	S	53.9
14	27.7	16.6	-.9	B	-1.2	C	5.2	S	6.7	S	51.7
15	28.1	16.5	-.9	B	-1.2	C	5.0	S	6.6	S	50.4
16	28.1	16.4	-.8	C	-1.1	D	5.1	S	6.8	S	50.4
17	27.7	16.5	-.6	D	-.9	D	4.9	SSE	6.9	SSE	51.7
18	26.9	16.7	-.3	D	-.6	D	4.3	SSE	6.6	SSE	54.9
19	25.7	17.0	.2	E	.0	E	3.8	SE	6.8	SSE	59.8
20	24.3	17.1	.7	E	.7	E	3.5	SE	7.1	SSE	64.9
21	23.3	17.0	1.0	F	1.0	E	3.5	SE	7.4	SSE	68.5
22	22.6	17.0	1.0	F	1.1	E	3.5	SE	7.5	SSE	71.1
23	22.0	16.8	1.0	F	1.1	E	3.6	SE	7.3	SSE	72.7
24	21.6	16.8	.9	F	1.1	E	3.5	SSE	7.1	SSE	74.3
ABSOLUTE MAX	37.5	22.8					14.2		14.8		100.0
AVG DAILY MAX	28.8	18.8					6.5		9.6		84.8
MEAN	23.6	16.7	.1	E	.0	E	4.0	SSE	6.6	S	67.0
CLIMATIC MEAN	23.8	16.6					4.2		6.7		66.2
AVG DAILY MIN	18.8	14.5					2.0		3.8		47.5
ABSOLUTE MIN	11.8	1.8					.4		.7		20.5
STANDARD DEV	4.6	3.6					1.8		2.6		16.9
VALID OBS	2217	2197	2163	2163	2164	2164	2224	2214	2191	2137	2197
INVALID OBS	15	35	69	69	68	68	8	18	41	95	35
TOTAL OBS	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232
DATA RECOVERY	99.3	98.4	96.9	96.9	97.0	97.0	99.6	99.2	98.2	95.7	98.4

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL SEPTEMBER COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/11/81. 13.56.54.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP	STAB CLASS	DELTA TEMP	STAB CLASS	WIND SPEED	WIND DIR	WIND SPEED	WIND DIR	REL HUMID
	10.00	10.00	10.00 60.00	10.00 60.00	10.00 85.00	10.00 85.00	10.00	10.00	60.00	60.00	10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	16.6	12.2	1.5	F	1.6	F	3.0	SE	6.4	SSE	75.6
2	16.2	12.1	1.5	F	1.6	F	2.9	SE	6.2	SSE	77.2
3	15.8	12.1	1.5	F	1.6	F	2.9	SE	6.2	SSE	78.3
4	15.5	11.9	1.4	F	1.6	F	3.1	SE	6.3	SSE	78.9
5	15.2	11.7	1.4	F	1.5	F	3.0	SE	6.1	SSE	79.3
6	14.9	11.6	1.4	F	1.5	F	3.1	SE	6.1	SSE	80.0
7	14.9	11.6	1.0	F	1.3	F	3.1	SE	5.8	SSE	80.1
8	15.9	12.0	.0	E	.3	E	3.4	SE	5.6	SSE	77.5
9	17.5	12.4	-.7	D	-.8	D	3.9	SSE	5.6	SSE	72.0
10	19.0	12.3	-.9	B	-1.0	D	4.2	S	5.6	SSE	66.3
11	20.3	12.3	-1.0	A	-1.1	D	4.2	SSE	5.7	SSE	62.3
12	21.2	12.1	-1.0	A	-1.2	C	4.4	SSE	5.9	SSE	58.6
13	22.0	12.0	-1.1	A	-1.2	C	4.4	SSE	6.0	SSE	55.7
14	22.4	11.9	-1.0	A	-1.2	C	4.5	SSE	6.1	SE	54.6
15	22.7	11.7	-.9	B	-1.1	D	4.5	SE	6.0	SE	53.6
16	23.0	11.7	-.8	C	-1.0	D	4.3	SE	5.8	SE	52.4
17	22.8	11.8	-.7	D	-.9	D	4.0	SE	5.7	SE	53.1
18	22.0	11.8	-.3	D	-.4	D	3.4	ESE	5.5	SE	55.3
19	20.7	12.1	.5	E	.4	E	2.9	ESE	5.8	SE	60.4
20	19.4	12.3	1.3	F	1.1	F	2.9	ESE	6.3	SE	65.3
21	18.5	12.2	1.4	F	1.4	F	2.9	ESE	6.5	SE	68.1
22	17.8	12.2	1.5	F	1.5	F	2.8	ESE	6.3	SE	70.8
23	17.3	12.2	1.5	F	1.6	F	2.8	SE	6.4	SE	72.3
24	16.8	11.9	1.5	F	1.6	F	2.9	SE	6.4	SE	73.7
ABSOLUTE MAX	31.5	21.7					15.8		16.8		96.9
AVG DAILY MAX	23.7	14.3					5.8		9.1		83.3
MEAN	18.7	12.0	.4	E	.4	E	3.5	SE	6.0	SE	67.6
CLIMATIC MEAN	18.9	11.9					3.6		6.1		65.9
AVG DAILY MIN	14.0	9.4					1.5		3.0		48.5
ABSOLUTE MIN	6.0	-1.5					0.0		0.0		17.0
STANDARD DEV	5.1	5.3					1.8		2.5		18.9
VALID OBS	2157	2114	1666	1666	2139	2139	2144	2143	2134	2103	2113
INVALID OBS	3	46	494	494	21	21	16	17	26	57	47
TOTAL OBS	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
DATA RECOVERY	99.9	97.9	77.1	77.1	99.0	99.0	99.3	99.2	98.8	97.4	97.8

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL OCTOBER COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/11/81. 14.57.07.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP	STAB CLASS	DELTA TEMP	STAB CLASS	WIND SPEED	WIND DIR	WIND SPEED	WIND DIR	REL HUMID
	10.00	10.00	10.00 60.00	10.00 60.00	10.00 85.00	10.00 85.00	10.00	10.00	60.00	60.00	10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	13.1	6.9	1.6	F	1.8	F	3.8	S	7.5	S	67.5
2	12.7	7.0	1.5	F	1.7	F	3.7	SSE	7.2	S	68.8
3	12.4	7.0	1.5	F	1.7	F	3.7	S	7.2	S	70.1
4	12.0	6.9	1.5	F	1.7	F	3.7	S	7.3	S	71.5
5	11.8	6.9	1.3	F	1.6	F	3.9	SSE	7.4	S	72.1
6	11.5	6.9	1.3	F	1.5	F	4.0	SSE	7.6	S	73.0
7	11.6	7.2	1.1	F	1.5	F	4.1	SSE	7.4	S	73.8
8	12.4	7.7	.4	E	.7	E	4.4	SSE	7.3	S	71.9
9	14.0	7.9	-.5	D	-.5	D	5.1	S	7.0	S	66.8
10	15.7	7.9	-.7	D	-1.0	D	5.7	S	7.4	S	61.2
11	17.0	7.9	-.8	C	-1.1	D	5.9	S	7.6	S	56.9
12	18.3	7.7	-.9	B	-1.2	C	6.1	SSW	7.8	S	52.3
13	19.0	7.4	-.9	B	-1.2	C	6.0	SSW	7.7	SSW	49.4
14	19.6	7.1	-.8	C	-1.1	C	6.0	SSW	7.7	SSW	47.0
15	20.1	7.2	-.7	D	-1.1	D	5.8	SSW	7.6	SSW	46.1
16	20.2	7.0	-.6	D	-.9	D	5.6	SSW	7.5	SSW	45.7
17	19.7	7.0	-.3	D	-.6	D	5.0	S	7.2	S	47.2
18	18.5	7.1	.3	E	.1	E	3.9	S	6.8	SSE	50.5
19	17.1	7.1	.9	F	.9	E	3.6	SSE	7.1	SSE	54.8
20	16.1	7.1	1.2	F	1.2	F	3.7	SSE	7.2	SSE	57.6
21	15.2	7.0	1.4	F	1.5	F	3.9	SSE	7.4	SSE	60.1
22	14.5	7.0	1.5	F	1.6	F	3.8	SSE	7.5	S	62.6
23	14.0	7.0	1.5	F	1.6	F	3.8	S	7.5	S	64.3
24	13.4	6.8	1.5	F	1.8	F	3.9	S	7.6	S	66.0
ABSOLUTE MAX	31.7	20.7					14.0		17.8		95.5
AVG DAILY MAX	20.7	9.6					7.3		10.5		75.9
MEAN	15.4	7.2	.5	E	.5	E	4.5	S	7.4	S	60.7
CLIMATIC MEAN	15.5	6.7					4.7		7.3		59.4
AVG DAILY MIN	10.3	3.9					2.0		4.1		43.0
ABSOLUTE MIN	.5	-8.9					0.0		0.0		11.7
STANDARD DEV	5.5	6.6					2.5		3.0		20.4
VALID OBS	2225	2045	1847	1847	1973	1973	2224	2223	2008	2007	2045
INVALID OBS	7	187	385	385	259	259	8	9	224	225	187
TOTAL OBS	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232
DATA RECOVERY	99.7	91.6	82.8	82.8	88.4	88.4	99.6	99.6	90.0	89.9	91.6

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL NOVEMBER COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/11/81 15.00.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP	STAB CLASS	DELTA TEMP	STAB CLASS	WIND SPEED	WIND DIR	WIND SPEED	WIND DIR	REL HUMID
	10.00	10.00	10.00 60.00	10.00 60.00	10.00 85.00	10.00 85.00	10.00	10.00	60.00	60.00	10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	5.3	.2	.8	F	1.0	E	4.2	SSW	7.6	SW	69.0
2	5.0	.1	.8	F	1.0	E	4.2	SW	7.6	SW	69.8
3	4.7	.1	.7	E	.9	E	4.2	SSW	7.5	SW	70.9
4	4.5	-.0	.6	E	.8	E	4.2	SSW	7.4	SW	71.5
5	4.3	-.0	.6	E	.8	E	4.4	SSW	7.5	SW	72.2
6	4.2	.0	.5	E	.7	E	4.3	SW	7.4	SW	73.1
7	4.1	.0	.5	E	.7	E	4.4	SW	7.4	SW	73.8
8	4.2	.0	.2	E	.4	E	4.6	SW	7.4	SW	73.2
9	5.2	.5	-.4	D	-.4	E	5.1	SW	7.2	SW	70.6
10	6.7	.7	-.7	D	-.8	D	5.6	SW	7.2	SW	66.1
11	7.9	.8	-.8	C	-1.0	D	5.8	WSW	7.3	SW	61.4
12	9.0	.8	-.8	C	-1.0	D	5.9	WSW	7.5	SW	57.8
13	9.8	.8	-.8	C	-1.0	D	6.0	WSW	7.6	SW	55.4
14	10.3	.7	-.8	C	-1.0	D	6.0	WSW	7.7	WSW	53.6
15	10.6	.9	-.7	D	-1.0	D	5.9	WSW	7.7	WSW	53.4
16	10.5	.4	-.6	D	-.8	D	5.6	SW	7.6	SW	52.3
17	9.9	.3	-.2	E	-.4	E	4.8	SW	7.3	SW	53.7
18	8.7	.4	.4	E	.3	E	4.3	SW	7.3	SW	57.5
19	7.9	.4	.7	E	.8	E	4.2	SSW	7.6	SW	59.8
20	7.3	.4	.9	F	1.0	E	4.3	SSW	7.8	SW	61.6
21	6.8	.3	.9	F	1.0	E	4.4	SSW	7.9	SW	63.1
22	6.2	.2	.9	F	1.0	E	4.4	SSW	7.9	SW	64.6
23	5.8	.1	.9	F	1.0	E	4.4	SSW	7.9	SSW	66.1
24	5.3	.0	.3	F	1.0	E	4.2	SSW	7.7	SW	67.8
ABSOLUTE MAX	23.9	16.3					15.9		19.7		100.0
AVG DAILY MAX	11.4	3.1					7.6		10.6		77.8
MEAN	6.8	.3	.2	E	.2	E	4.8	SW	7.5	SW	64.2
CLIMATIC MEAN	6.8	.2					5.0		7.6		62.3
AVG DAILY MIN	2.3	-2.8					2.4		4.5		46.9
ABSOLUTE MIN	-7.6	-14.7					.4		0.0		17.9
STANDARD DEV	5.7	6.1					2.3		2.7		17.0
VALID OBS	2160	2084	2131	2131	2160	2160	2151	2148	2146	2143	2084
INVALID OBS	0	76	29	29	0	0	9	12	14	17	76
TOTAL OBS	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
DATA RECOVERY	100.0	96.5	98.7	98.7	100.0	100.0	99.6	99.4	99.4	99.2	96.5

TABLE 2.3-12

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS

(MONTHLY)

STATISTICS AND DIURNAL VARIATION OF METEOROLOGICAL PARAMETERS
DATA PERIOD: ALL DECEMBER COMBINED

DATA SOURCE: ON-SITE
TABLE GENERATED: 11/11/81 15.09.30.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

METEOROLOGICAL PARAMETERS (HEIGHTS IN METERS)

	DRY BULB	DEW POINT	DELTA TEMP	STAB CLASS	DELTA TEMP	STAB CLASS	WIND SPEED	WIND DIR	WIND SPEED	WIND DIR	REL HUMID
	10.00	10.00	10.00 60.00	10.00 60.00	10.00 85.00	10.00 85.00	10.00	10.00	60.00	60.00	10.00
HOUR	DEG C	DEG C	DEG C		DEG C		M/SEC		M/SEC		PCT
1	.1	-4.5	.6	E	.9	E	4.5	WSW	7.8	WSW	67.7
2	-.2	-4.6	.6	E	.9	E	4.6	SW	7.7	WSW	68.4
3	-.4	-4.8	.5	E	.9	E	4.5	WSW	7.6	WSW	68.8
4	-.6	-4.9	.5	E	.8	E	4.6	WSW	7.6	WSW	69.1
5	-.8	-5.0	.4	E	.7	E	4.5	WSW	7.4	WSW	69.5
6	-1.0	-5.1	.4	E	.7	E	4.4	SW	7.2	W	70.1
7	-1.2	-5.1	.4	E	.8	E	4.3	WSW	7.2	SW	71.0
8	-1.2	-5.0	.3	E	.6	E	4.4	SW	7.2	WSW	71.7
9	-.8	-4.7	-.2	E	.1	E	4.7	SW	7.1	SW	71.2
10	.3	-4.5	-.6	D	-.6	D	5.2	WSW	7.1	W	67.8
11	1.6	-4.1	-.7	D	-.7	D	5.6	W	7.2	W	64.4
12	2.7	-3.8	-.8	C	-.8	D	5.6	W	7.0	W	61.2
13	3.7	-3.6	-.8	C	-.8	D	5.7	W	7.1	W	58.3
14	4.3	-3.7	-.8	C	-.9	D	5.8	WSW	7.2	W	55.1
15	4.7	-3.9	-.7	D	-.8	D	5.7	W	7.2	W	53.6
16	4.9	-3.9	-.6	D	-.7	D	5.4	W	7.1	W	52.2
17	4.2	-4.0	-.4	D	-.4	D	4.8	W	7.0	W	53.9
18	3.2	-4.0	.1	E	.1	E	4.4	WNW	7.1	W	57.1
19	2.4	-4.1	.4	E	.4	E	4.3	NNE	7.5	NW	59.5
20	1.7	-4.3	.5	E	.7	E	4.4	NE	7.6	NW	61.9
21	1.2	-4.2	.6	E	.8	E	4.4	NE	7.7	WNW	64.2
22	.8	-4.2	.6	E	.8	E	4.4	NW	7.7	WSW	65.4
23	.4	-4.3	.6	E	.9	E	4.4	WSW	7.7	WSW	66.4
24	.1	-4.4	.6	E	.9	E	4.3	W	7.7	WSW	67.6
ABSOLUTE MAX	19.7	12.2					13.9		16.9		97.9
AVG DAILY MAX	5.9	-1.4					7.4		10.4		77.5
MEAN	1.3	-4.4	.1	E	.2	E	4.8	W	7.4	WSW	64.0
CLIMATIC MEAN	1.5	-4.4					4.9		7.4		62.8
AVG DAILY MIN	-2.8	-7.4					2.5		4.4		48.1
ABSOLUTE MIN	-18.7	-25.5					.4		0.0		17.0
STANDARD DEV	6.0	5.8					2.4		2.9		15.9
VALID OBS	2224	2015	1958	1958	1932	1932	2138	2137	2142	2140	2010
INVALID OBS	8	217	274	274	300	300	94	95	90	92	222
TOTAL OBS	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232	2232
DATA RECOVERY	99.6	90.3	87.7	87.7	86.6	86.6	95.8	95.7	96.0	95.9	90.1

TABLE 2.3-25

JOINT WIND REEQUENCY DISTRIBUTION (ANNUAL - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD THREE YEARS COMBINED

ALL WINDS
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	58 .23	389 1.52	526 2.05	336 1.31	139 .54	30 .12	1478 5.77	4.49
NE	73 .28	443 1.73	438 1.71	162 .63	30 .12	3 .01	1149 4.49	3.55
ENE	67 .26	325 1.27	425 1.66	146 .57	27 .11	1 .00	991 3.87	3.63
E	66 .26	351 1.37	496 1.94	199 .78	26 .10	11 .04	1149 4.49	3.84
ESE	51 .20	409 1.60	466 1.82	206 .80	45 .18	24 .09	1201 4.69	3.97
SE	92 .36	637 2.49	552 2.15	246 .96	69 .27	14 .05	1610 6.29	3.72
SSE	76 .30	843 3.29	1087 4.24	486 1.90	118 .46	35 .14	2645 10.33	4.06
S	99 .39	685 2.67	1475 5.76	1327 5.18	708 2.76	229 .89	4523 17.66	5.45
SSW	88 .34	355 1.39	691 2.70	834 3.26	373 1.46	186 .73	2527 9.87	5.61
SW	59 .23	267 1.04	297 1.16	202 .79	95 .37	48 .19	967 3.78	4.62
WSW	81 .32	221 .86	178 .69	92 .36	46 .18	12 .05	630 2.46	3.76
W	81 .32	275 1.07	278 1.09	145 .57	43 .17	14 .05	836 3.26	3.85
WNW	67 .26	296 1.16	313 1.22	208 .81	59 .23	30 .12	973 3.80	4.26
NW	73 .28	367 1.43	368 1.44	380 1.48	201 .78	91 .36	1480 5.78	5.10
NNW	65 .25	286 1.12	445 1.74	556 2.17	307 1.20	78 .30	1735 6.77	5.47
N	61 .24	330 1.29	560 2.19	481 1.88	214 .84	56 .22	1702 6.64	5.00
CALM	19 .07						19 .07	CALM
TOTAL	1175 4.59	6479 25.29	8595 33.55	6006 23.45	2500 9.76	860 3.36	25615 100.00	4.64

NUMBER OF VALID OBSERVATIONS 25615 97.38 PCT
NUMBER OF INVALID OBSERVATIONS 689 2.62 PCT
TOTAL NUMBER OF OBSERVATIONS 26304 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD JUNE 1, 1973 THROUGH MAY 31, 1974

ALL WINDS
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/04/81 11.55.32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	26 .31	157 1.87	167 1.99	68 .81	45 .54	12 .14	475 5.66	4.17
NE	32 .38	137 1.63	127 1.51	46 .55	3 .04	1 .01	346 4.12	3.35
ENE	18 .21	92 1.10	120 1.43	50 .60	12 .14	1 .01	293 3.49	3.83
E	21 .25	117 1.39	93 1.11	55 .66	8 .10	5 .06	299 3.56	3.77
ESE	12 .14	123 1.47	140 1.67	54 .64	11 .13	4 .05	344 4.10	3.84
SE	20 .24	195 2.32	207 2.47	60 .71	17 .20	3 .04	502 5.98	3.64
SSE	18 .21	315 3.75	403 4.80	175 2.09	49 .58	23 .27	983 11.71	4.22
S	25 .30	234 2.79	526 6.27	542 6.46	254 3.03	99 1.18	1680 20.02	5.64
SSW	26 .31	114 1.36	210 2.50	241 2.87	116 1.38	68 .81	775 9.23	5.74
SW	19 .23	80 .95	101 1.20	92 1.10	38 .45	21 .25	351 4.18	5.02
WSW	27 .32	70 .83	57 .68	29 .35	16 .19	4 .05	203 2.42	3.78
W	23 .27	80 .95	70 .83	25 .30	10 .12	0 0.00	208 2.48	3.42
WNW	16 .19	102 1.22	116 1.38	62 .74	14 .17	11 .13	321 3.82	4.16
NW	30 .36	115 1.37	137 1.63	135 1.61	70 .83	53 .63	540 6.43	5.42
NNW	23 .27	94 1.12	152 1.81	201 2.39	80 .95	21 .25	571 6.80	5.31
N	26 .31	102 1.22	170 2.03	134 1.60	48 .57	10 .12	490 5.84	4.65
CALM	12 .14						12 .14	CALM
TOTAL	374 4.46	2127 25.34	2796 33.31	1969 23.46	791 9.42	336 4.00	8393 100.00	4.70

NUMBER OF VALID OBSERVATIONS 8393 95.81 PCT
NUMBER OF INVALID OBSERVATIONS 367 4.19 PCT
TOTAL NUMBER OF OBSERVATIONS 8760 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-25

JOINT WIND FREQUENCY DISTRIBUTION (ANNUAL - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: JUNE 1, 1974 THROUGH MAY 31, 1975

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	22 .26	115 1.34	176 2.06	129 1.52	51 .60	3 .04	506 5.91	4.61
NE	25 .29	133 1.55	118 1.38	42 .49	2 .02	0 0.00	320 3.74	3.37
ENE	22 .26	92 1.07	137 1.60	48 .56	6 .07	0 0.00	305 3.56	3.68
E	24 .28	96 1.12	181 2.11	57 .67	10 .12	5 .06	373 4.36	3.92
ESE	13 .15	119 1.39	154 1.80	101 1.18	25 .29	17 .20	429 5.01	4.53
SE	31 .36	211 2.46	196 2.29	105 1.23	14 .16	8 .09	565 6.60	3.82
SSE	25 .29	278 3.25	363 4.24	198 2.31	41 .48	8 .09	913 10.67	4.14
S	33 .39	207 2.42	460 5.37	413 4.82	216 2.52	50 .58	1379 16.11	5.34
SSW	31 .36	135 1.58	250 2.92	273 3.19	144 1.68	76 .89	909 10.62	5.65
SW	18 .21	100 1.17	103 1.20	51 .60	31 .36	22 .26	325 3.80	4.54
WSW	26 .30	61 .71	55 .64	35 .41	12 .15	8 .09	198 2.31	4.00
W	22 .26	91 1.06	90 1.05	54 .63	12 .14	14 .16	283 3.31	4.19
WNW	27 .32	81 .95	112 1.31	85 .99	31 .36	19 .22	355 4.15	4.83
NW	24 .28	104 1.21	130 1.52	169 1.97	83 .97	20 .23	530 6.19	5.27
NNW	21 .25	95 1.11	123 1.44	186 2.17	137 1.60	23 .27	585 6.83	5.72
N	19 .22	95 1.11	193 2.25	177 2.07	81 .95	17 .20	582 6.80	5.20
CALM	3 .04						3 .04	CALM
TOTAL	386 4.51	2013 23.52	2841 33.19	2133 24.92	897 10.48	290 3.39	8560 100.00	4.76

NUMBER OF VALID OBSERVATIONS	8560	97.72 PCT
NUMBER OF INVALID OBSERVATIONS	200	2.28 PCT
TOTAL NUMBER OF OBSERVATIONS	8760	100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	10 .12	117 1.35	180 2.11	129 1.49	43 .50	15 .17	497 5.74	4.69
NE	16 .18	173 2.00	193 2.23	74 .85	25 .29	2 .02	483 5.58	3.81
ENE	27 .31	141 1.63	168 1.94	48 .55	9 .10	0 0.00	393 4.54	3.51
E	21 .24	138 1.59	222 2.56	87 1.00	8 .09	1 .01	477 5.51	3.82
ESE	26 .30	167 1.93	172 1.99	51 .59	9 .10	3 .03	428 4.94	3.52
SE	41 .47	231 2.67	149 1.72	81 .94	28 .44	3 .03	543 6.27	3.67
SSE	33 .38	250 2.89	321 3.71	113 1.30	28 .32	4 .05	749 8.65	3.75
S	41 .47	244 2.82	489 5.65	372 4.29	238 2.75	80 .92	1464 16.90	5.34
SSW	31 .36	106 1.22	231 2.67	320 3.69	113 1.30	42 .48	843 9.73	5.46
SW	21 .24	87 1.00	93 1.07	59 .68	26 .30	5 .06	291 3.36	4.25
WSW	28 .32	90 1.04	66 .76	28 .32	17 .20	0 0.00	229 2.64	3.54
W	36 .42	104 1.20	118 1.36	66 .76	21 .24	0 0.00	345 3.98	3.83
WNW	24 .28	113 1.30	85 .98	61 .70	14 .16	0 0.00	297 3.43	3.69
NW	19 .22	148 1.71	101 1.17	76 .88	48 .55	18 .21	410 4.73	4.47
NNW	21 .24	97 1.12	170 1.96	169 1.95	90 1.04	32 .37	579 6.68	5.38
N	16 .18	133 1.54	197 2.27	170 1.96	85 .98	29 .33	630 7.27	5.09
CALM	4 .05						4 .05	CALM
TOTAL	415 4.79	2339 27.00	2958 34.15	1904 21.98	812 9.37	234 2.70	8662 100.00	4.47

NUMBER OF VALID OBSERVATIONS	8662	98.61 PCT
NUMBER OF INVALID OBSERVATIONS	122	1.39 PCT
TOTAL NUMBER OF OBSERVATIONS	8784	100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-26

JOINT WIND FREQUENCY DISTRIBUTION (ANNUAL - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: THREE YEARS COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	14 06	80 32	270 1.10	494 1.99	331 1.33	192 .77	1384 5.58	6.91
NE	19 08	142 57	394 1.59	356 1.43	83 33	15 06	1009 4.07	4.98
ENE	12 05	104 42	272 1.10	371 1.49	179 72	41 17	979 3.94	5.81
E	17 07	85 34	225 91	445 1.79	255 1.03	42 17	1069 4.31	6.15
ESE	15 06	95 38	247 1.00	397 1.60	230 93	73 29	1057 4.26	6.25
SE	18 07	96 39	289 1.16	557 2.24	350 1.41	146 59	1456 5.87	6.64
SSE	16 06	95 38	350 1.41	720 2.90	631 2.54	311 1.25	2123 8.55	7.29
S	17 07	120 48	432 1.74	1471 5.93	1484 5.98	1126 4.54	4650 18.74	8.17
SSW	22 09	88 35	343 1.38	968 3.90	881 3.55	562 2.26	2864 11.54	7.77
SW	20 08	94 38	273 1.10	450 1.81	266 1.07	142 57	1245 5.02	6.61
WSW	10 04	82 33	175 71	235 95	108 44	52 21	662 2.67	5.89
W	25 10	93 37	238 96	262 1.06	135 54	51 21	804 3.24	5.78
WNW	10 04	64 26	158 64	295 1.19	237 95	95 38	859 3.46	6.89
NW	15 06	55 22	190 77	385 1.55	363 1.46	237 95	1245 5.02	7.63
NNW	15 06	52 21	170 69	539 2.17	493 1.99	334 1.35	1603 6.46	7.88
N	20 08	70 28	228 92	580 2.34	520 2.10	379 1.53	1797 7.24	7.74
CALM	11 04						11 04	CALM
TOTAL	276 1.11	1415 5.70	4257 17.15	8525 34.35	6546 26.38	3798 15.30	24817 100.00	7.16

NUMBER OF VALID OBSERVATIONS 24817 94.25 PCT
NUMBER OF INVALID OBSERVATIONS 1487 5.65 PCT
TOTAL NUMBER OF OBSERVATIONS 26304 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 11.55.32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	6 08	18 23	85 1.06	148 1.85	90 1.13	78 98	425 5.32	7.21
NE	7 09	43 54	107 1.34	123 1.54	23 29	2 03	305 3.82	4.95
ENE	2 03	32 40	78 98	105 1.31	67 84	27 34	311 3.89	6.23
E	7 09	28 35	68 85	141 1.77	84 1.05	15 19	340 4.26	6.15
ESE	4 05	23 29	74 93	115 1.23	51 64	19 24	269 3.37	6.12
SE	7 09	23 29	60 75	176 2.20	97 1.21	42 53	405 5.07	6.84
SSE	7 09	20 25	79 99	198 2.48	221 2.77	132 1.65	657 8.23	7.97
S	3 04	23 29	107 1.34	412 5.16	604 7.56	471 5.90	1620 20.29	8.70
SSW	6 08	16 20	77 96	279 3.49	374 4.68	250 3.13	1002 12.55	8.43
SW	4 05	15 19	80 1.00	176 2.20	142 1.78	62 78	479 6.00	7.23
WSW	3 04	24 30	61 76	70 88	36 45	17 21	211 2.64	5.93
W	7 09	27 34	65 81	75 94	25 31	7 09	206 2.58	5.47
WNW	0 0.00	17 21	47 59	108 1.35	74 93	14 18	260 3.26	6.63
NW	6 08	16 20	71 89	160 2.00	108 1.33	102 1.28	461 5.77	7.80
NNW	6 08	19 24	52 65	189 2.37	154 1.93	64 80	484 6.06	7.47
N	8 10	26 33	62 78	177 2.22	145 1.82	125 1.57	543 6.80	7.81
CALM	8 10						8 10	CALM
TOTAL	91 1.14	370 4.63	1173 14.69	2635 33.00	2293 28.71	1424 17.83	7986 100.00	7.49

NUMBER OF VALID OBSERVATIONS 7986 91.16 PCT
NUMBER OF INVALID OBSERVATIONS 774 8.84 PCT
TOTAL NUMBER OF OBSERVATIONS 8760 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-26

JOINT WIND FREQUENCY DISTRIBUTION (ANNUAL - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: JUNE 1, 1974 THROUGH MAY 31, 1975

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	5 .05	31 .37	90 1.08	169 2.02	125 1.50	60 .72	479 5.73	6.84
NE	7 .08	55 .66	123 1.47	82 .98	16 .19	4 .05	287 3.43	4.58
ENE	6 .07	41 .49	98 1.17	106 1.27	40 .48	1 .01	292 3.49	5.26
E	5 .06	28 .33	67 .80	107 1.28	55 .66	15 .18	277 3.31	6.07
ESE	8 .10	45 .54	95 1.14	156 1.87	84 1.00	36 .43	424 5.07	6.25
SE	7 .08	48 .57	103 1.23	161 1.93	127 1.52	52 .62	498 5.96	6.55
SSE	9 .11	35 .42	145 1.73	270 3.23	224 2.68	84 1.00	767 9.18	6.94
S	10 .12	45 .54	167 2.00	547 6.54	474 5.67	284 3.40	1527 18.27	7.74
SSW	13 .16	41 .49	156 1.87	353 4.22	265 3.17	170 2.03	998 11.94	7.37
SW	9 .11	33 .39	99 1.18	174 2.08	53 .63	45 .54	413 4.94	6.26
WSW	5 .06	25 .42	58 .69	100 1.20	23 .28	13 .16	234 2.80	5.57
W	14 .17	29 .35	71 .85	71 .85	27 .32	18 .22	230 2.75	5.53
WNW	8 .10	25 .30	65 .78	97 1.16	91 1.09	59 .71	345 4.13	7.24
NW	6 .07	26 .31	68 .81	120 1.44	138 1.65	74 .89	432 5.17	7.37
NNW	3 .04	16 .19	55 .66	170 2.03	181 2.17	112 1.34	537 6.42	7.93
N	8 .10	26 .31	72 .86	209 2.50	176 2.11	127 1.52	618 7.39	7.69
CALM	1 .01						1 .01	CALM
TOTAL	123 1.47	559 6.69	1530 18.33	2892 34.60	2099 25.11	1154 13.81	8359 100.00	6.95

NUMBER OF VALID OBSERVATIONS	8359	95.42 PCT
NUMBER OF INVALID OBSERVATIONS	401	4.58 PCT
TOTAL NUMBER OF OBSERVATIONS	8760	100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 .05	31 .37	98 1.16	177 2.09	116 1.37	54 .64	480 5.67	6.72
NE	5 .06	44 .52	164 1.94	151 1.78	44 .52	9 .11	417 4.92	5.26
ENE	4 .05	31 .37	96 1.13	160 1.89	72 .85	13 .15	376 4.44	5.90
E	5 .06	29 .34	90 1.06	197 2.33	116 1.37	15 .18	452 5.34	6.19
ESE	3 .04	27 .32	78 .92	143 1.69	95 1.12	18 .21	364 4.30	6.34
SE	4 .05	25 .30	126 1.49	220 2.60	126 1.49	52 .61	553 6.53	6.57
SSE	0 0.00	40 .47	126 1.49	252 2.97	186 2.20	95 1.12	699 8.25	7.03
S	4 .05	52 .61	158 1.86	512 6.04	406 4.79	371 4.38	1503 17.74	8.04
SSW	3 .04	31 .37	110 1.30	336 3.97	242 2.86	142 1.68	864 10.20	7.48
SW	7 .08	46 .54	94 1.11	100 1.18	71 .84	35 .41	353 4.17	6.17
WSW	2 .02	22 .47	56 .66	65 .77	49 .58	22 .26	217 2.56	6.19
W	4 .05	37 .44	102 1.20	116 1.37	83 .98	26 .31	368 4.34	6.11
WNW	2 .02	22 .26	46 .54	90 1.06	72 .85	22 .26	254 3.00	6.67
NW	3 .04	13 .15	51 .60	105 1.24	119 1.40	61 .72	352 4.15	7.71
NNW	6 .07	17 .20	63 .74	180 2.12	158 1.86	158 1.86	582 6.87	8.18
N	4 .05	18 .21	94 1.11	194 2.29	199 2.35	127 1.50	636 7.51	7.73
CALM	2 .02						2 .02	CALM
TOTAL	62 .73	486 5.74	1552 18.32	2998 35.39	2154 25.42	1220 14.40	8472 100.00	7.05

NUMBER OF VALID OBSERVATIONS	8472	96.45 PCT
NUMBER OF INVALID OBSERVATIONS	312	3.55 PCT
TOTAL NUMBER OF OBSERVATIONS	8784	100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-27

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD ALL JANUARY COMBINED

ALL WINDS
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/10/81 15:02:03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	9 .44	38 1.87	58 2.85	39 1.92	14 .69	0 0.00	158 7.76	4.26
NE	8 .39	46 2.26	70 3.44	22 1.08	9 .44	0 0.00	155 7.61	3.90
ENE	10 .74	25 1.23	28 1.38	7 .34	0 0.00	0 0.00	75 3.68	3.03
E	10 .49	22 1.08	43 2.11	16 .79	1 .05	0 0.00	92 4.52	3.68
ESE	3 .15	20 .98	23 1.23	10 .49	0 0.00	0 0.00	58 2.85	3.62
SE	10 .49	27 1.33	28 1.38	15 .74	0 0.00	0 0.00	80 3.93	3.43
SSE	5 .25	34 1.67	71 3.49	28 1.87	3 .15	0 0.00	151 7.42	4.14
S	8 .39	38 1.87	87 4.27	67 3.29	45 2.21	6 .29	251 12.33	5.30
SSW	7 .34	26 1.28	37 1.82	42 2.06	21 1.03	10 .49	143 7.02	5.36
SW	8 .39	31 1.52	16 .79	11 .54	3 .15	0 0.00	69 3.39	3.35
WSW	9 .44	30 1.47	23 1.13	7 .34	1 .05	0 0.00	70 3.44	3.11
W	6 .29	37 1.82	37 1.82	20 .98	2 .10	0 0.00	102 5.01	3.64
WNW	8 .39	41 2.01	39 1.92	43 2.11	11 .54	1 .05	143 7.02	4.43
NW	4 .20	30 1.47	52 2.55	41 2.01	23 1.13	5 .25	155 7.61	5.11
NNW	4 .20	32 1.57	38 1.87	43 2.11	24 1.18	4 .20	145 7.12	5.15
N	9 .44	37 1.82	55 2.70	57 2.80	24 1.18	1 .05	183 8.99	4.90
CALM	6 .29						6 .29	CALM
TOTAL	129 6.34	514 25.25	707 34.72	478 23.48	191 8.89	27 1.33	2036 100.00	4.39

NUMBER OF VALID OBSERVATIONS 2036 91.22 PCT
NUMBER OF INVALID OBSERVATIONS 196 8.78 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY (XX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD ALL FEBRUARY COMBINED

ALL WINDS
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/10/81 15:33:48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	5 .27	30 1.62	50 2.70	20 1.08	11 .59	3 .16	119 6.43	4.32
NE	3 .16	24 1.30	36 1.94	10 .54	11 .59	2 .11	86 4.64	4.45
ENE	3 .16	21 1.13	25 1.35	23 1.24	5 .27	0 0.00	77 4.16	4.34
E	4 .22	20 1.08	47 2.54	11 .59	1 .05	0 0.00	83 4.48	3.78
ESE	1 .05	19 1.03	29 1.57	12 .65	4 .22	0 0.00	65 3.51	4.12
SE	9 .49	25 1.35	31 1.67	12 .65	0 0.00	2 .11	79 4.27	3.65
SSE	4 .22	14 .76	56 3.02	49 2.65	8 .43	3 .16	134 7.24	4.88
S	6 .32	19 1.03	73 3.94	47 2.54	18 .97	11 .59	174 9.40	5.19
SSW	13 .70	20 1.08	44 2.38	32 1.73	16 .86	1 .05	126 6.80	4.66
SW	9 .49	14 .76	19 1.03	9 .49	6 .32	3 .16	60 3.24	4.30
WSW	6 .32	24 1.30	22 1.19	6 .32	4 .22	1 .05	63 3.40	3.64
W	15 .81	40 2.16	40 2.16	13 .70	3 .16	0 0.00	111 5.99	3.40
WNW	9 .49	30 1.62	27 1.46	21 1.13	4 .22	7 .38	98 5.29	4.37
NW	7 .38	40 2.16	33 1.78	41 2.21	32 1.73	13 .70	166 8.96	5.55
NNW	7 .38	35 1.89	43 2.32	57 3.08	50 2.70	21 1.13	213 11.50	6.05
N	5 .27	28 1.51	64 3.46	65 3.51	25 1.35	10 .54	197 10.64	5.38
CALM	1 .05						1 .05	CALM
TOTAL	107 5.78	403 21.76	639 34.50	428 23.11	198 10.69	77 4.16	1852 100.00	4.76

NUMBER OF VALID OBSERVATIONS 1852 90.78 PCT
NUMBER OF INVALID OBSERVATIONS 188 9.22 PCT
TOTAL NUMBER OF OBSERVATIONS 2040 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-27

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL MARCH COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	5 .23	16 .70	47 2.12	51 2.30	38 1.72	5 .23	162 7.32	5.73
NE	3 .14	39 1.76	36 1.63	16 .72	4 .18	0 0.00	98 4.43	3.66
ENE	9 .41	29 1.31	28 1.26	6 .27	7 .23	1 .05	78 3.52	3.64
E	6 .27	28 1.26	33 1.49	17 .77	4 .18	6 .27	94 4.25	4.31
ESE	4 .18	26 1.17	44 1.99	20 .90	13 .59	14 .63	121 5.47	5.25
SE	3 .14	27 1.22	64 2.89	47 2.12	12 .54	1 .05	154 6.96	4.67
SSE	5 .23	27 1.22	68 3.07	43 1.94	13 .59	5 .23	161 7.27	4.84
S	3 .14	19 .81	61 2.89	109 4.92	68 3.07	26 1.17	288 13.01	6.48
SSW	7 .32	24 1.08	33 1.49	54 2.44	47 2.12	30 1.36	195 8.81	6.45
SW	4 .18	21 .95	25 1.13	11 .50	15 .68	7 .32	83 3.75	5.20
WSW	12 .54	13 .59	15 .68	7 .32	9 .41	3 .14	59 2.66	4.41
W	7 .32	13 .59	12 .54	19 .86	4 .18	7 .32	62 2.80	5.19
WNW	3 .14	18 .81	28 1.26	9 .41	0 0.00	16 .72	74 3.34	5.77
NW	5 .23	33 1.49	39 1.76	46 2.08	30 1.36	20 .90	173 7.81	6.00
NNW	8 .36	24 1.08	41 1.85	84 3.79	58 2.62	30 1.36	245 11.07	6.61
N	5 .23	15 .68	69 3.12	57 2.57	17 .77	3 .14	166 7.50	5.15
CALM	1 .05						1 .05	CALM
TOTAL	90 4.07	371 16.76	646 29.18	596 26.92	337 15.22	174 7.86	2214 100.00	5.50

NUMBER OF VALID OBSERVATIONS 2214 99.19 PCT
NUMBER OF INVALID OBSERVATIONS 18 .81 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL APRIL COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10:37:57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .05	15 .71	39 1.84	22 1.04	6 .28	3 .14	86 4.06	4.81
NE	5 .24	34 1.60	35 1.65	14 .66	0 0.00	0 0.00	88 4.15	3.45
ENE	1 .05	16 .75	44 2.08	15 .71	2 .09	0 0.00	78 3.68	4.06
E	2 .09	6 .28	60 2.83	28 1.32	4 .19	0 0.00	100 4.72	4.58
ESE	1 .05	13 .61	50 2.36	53 2.50	13 .61	6 .28	136 6.42	5.49
SE	0 0.00	32 1.51	57 2.69	74 3.49	24 1.13	7 .33	194 9.15	5.42
SSE	2 .09	30 1.42	95 4.48	71 3.35	52 2.45	25 1.18	275 12.97	6.01
S	3 .14	11 .52	52 2.45	87 4.10	96 4.53	53 2.50	302 14.25	7.55
SSW	1 .05	5 .24	32 1.51	56 2.64	46 2.17	20 .94	160 7.55	7.12
SW	0 0.00	12 .57	18 .85	16 .75	12 .57	11 .52	69 3.25	6.36
WSW	3 .14	12 .57	17 .80	15 .71	12 .57	4 .19	63 2.97	5.41
W	6 .28	5 .24	17 .80	17 .80	19 .90	0 0.00	64 3.02	5.46
WNW	4 .19	13 .61	24 1.13	16 .75	18 .85	4 .19	79 3.73	5.44
NW	1 .05	19 .90	39 1.84	37 1.75	39 1.84	14 .66	149 7.03	6.24
NNW	1 .05	9 .42	47 2.22	50 2.36	28 1.32	5 .24	140 6.60	5.85
N	1 .05	17 .80	40 1.89	47 2.22	25 1.18	7 .33	137 6.46	5.77
CALM	0 0.00						0 0.00	CALM
TOTAL	32 1.51	249 11.75	666 31.42	618 29.15	396 18.68	159 7.50	2120 100.00	5.88

NUMBER OF VALID OBSERVATIONS 2120 98.15 PCT
NUMBER OF INVALID OBSERVATIONS 40 1.85 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-27

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL MAY COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10:41:53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
E	4 .18	25 1.14	61 2.79	50 2.29	8 .37	3 .14	151 6.91	4.81
NE	8 .37	36 1.65	57 2.61	15 .69	3 .14	0 0.00	119 5.44	3.57
ENE	6 .27	43 1.97	44 2.01	19 .87	5 .23	0 0.00	117 5.35	3.71
E	5 .23	28 1.28	43 1.97	35 1.60	5 .23	3 .14	119 5.44	4.41
ESE	6 .27	37 1.69	48 2.20	31 1.42	5 .23	4 .18	131 5.99	4.33
SE	5 .23	39 1.78	66 3.02	36 1.65	3 .14	1 .05	150 6.86	4.12
SSE	1 .05	53 2.42	71 3.25	44 2.01	10 .46	1 .05	180 8.23	4.30
S	9 .41	45 2.06	69 3.16	172 7.87	103 4.71	60 2.74	458 20.95	6.70
SSW	9 .41	15 .69	34 1.56	46 2.10	80 3.66	29 1.33	213 9.74	7.18
SW	3 .14	20 .91	20 .91	15 .69	11 .50	4 .18	73 3.34	4.99
WSW	5 .23	13 .59	6 .27	7 .32	1 .05	0 0.00	32 1.46	3.43
W	8 .37	13 .59	22 1.01	2 .09	0 0.00	0 0.00	45 2.06	2.99
WNW	5 .23	23 1.05	17 .78	6 .27	3 .14	0 0.00	54 2.47	3.34
NW	4 .18	22 1.01	16 .73	32 1.46	6 .27	0 0.00	80 3.66	4.52
NNW	1 .05	23 1.05	36 1.65	50 2.29	7 .32	0 0.00	117 5.35	4.74
N	5 .23	32 1.46	45 2.06	44 2.01	20 .91	1 .05	147 6.72	4.91
CALM	0 0.00						0 0.00	CALM
TOTAL	81 3.84	467 21.36	655 29.96	604 27.63	270 12.35	106 4.85	2186 100.00	5.08

NUMBER OF VALID OBSERVATIONS 2186 97.94 PCT
NUMBER OF INVALID OBSERVATIONS 46 2.06 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL JUNE COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10:54:26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3 .14	32 1.51	34 1.61	19 .90	2 .09	0 0.00	90 4.25	3.96
NE	6 .28	34 1.61	33 1.56	5 .24	0 0.00	0 0.00	78 3.68	3.18
ENE	4 .19	20 .94	30 1.42	5 .24	1 .05	0 0.00	60 2.83	3.25
E	5 .24	24 1.13	30 1.42	7 .33	2 .09	0 0.00	68 3.21	3.53
ESE	4 .19	30 1.42	30 1.42	5 .24	4 .19	0 0.00	73 3.45	3.52
SE	2 .09	43 2.03	37 1.75	9 .42	1 .05	0 0.00	92 4.34	3.28
SSE	7 .33	71 3.35	110 5.19	53 2.50	6 .28	0 0.00	247 11.66	3.94
S	5 .24	61 2.88	188 8.88	149 7.03	100 4.72	11 .52	514 24.27	5.49
SSW	6 .28	35 1.65	78 3.68	129 6.09	63 2.97	29 1.37	340 16.05	6.09
SW	4 .19	25 1.18	36 1.70	18 .85	8 .38	6 .28	97 4.58	4.69
WSW	4 .19	26 1.23	16 .76	5 .24	0 0.00	2 .09	53 2.50	3.27
W	1 .05	29 1.37	28 1.32	2 .09	1 .05	3 .14	64 3.02	3.72
WNW	2 .09	30 1.42	24 1.13	14 .66	2 .09	2 .09	74 3.49	3.95
NW	5 .24	26 1.23	23 1.09	15 .71	4 .19	0 0.00	73 3.45	3.82
NNW	5 .24	24 1.13	37 1.75	35 1.65	7 .33	0 0.00	108 5.10	4.49
N	3 .14	39 1.84	25 1.18	12 .57	7 .33	0 0.00	86 4.06	3.70
CALM	1 .05						1 .05	CALM
TOTAL	67 3.16	549 25.92	759 35.84	482 22.76	208 9.82	53 2.50	2118 100.00	4.58

NUMBER OF VALID OBSERVATIONS 2118 98.06 PCT
NUMBER OF INVALID OBSERVATIONS 42 1.94 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-27

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD ALL JULY COMBINED

ALL WINDS
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13 42 02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3 13	58 2.61	32 1.44	13 .58	1 .04	0 0.00	107 4.81	3.34
NE	3 13	45 2.02	33 1.48	8 .36	1 .04	0 0.00	90 4.05	3.33
ENE	6 27	51 2.29	69 3.10	16 .72	1 .04	0 0.00	143 6.43	3.51
E	7 .31	63 2.83	74 3.33	16 .72	3 .13	2 .09	165 7.42	3.58
ESE	14 .63	64 2.88	60 2.70	13 .58	1 .04	0 0.00	152 6.83	3.13
SE	11 .49	79 3.55	40 1.80	10 .45	4 .18	0 0.00	144 6.47	3.01
SSE	3 .13	147 6.61	106 4.77	10 .45	1 .04	0 0.00	267 12.01	3.06
S	8 .36	109 4.90	200 8.99	142 6.38	34 1.53	6 .27	499 22.44	4.55
SSW	3 .13	43 1.93	84 3.78	120 5.40	9 .40	22 .99	281 12.63	5.36
SW	0 0.00	20 .90	25 1.12	26 1.17	1 .04	0 0.00	72 3.24	4.19
WSW	2 .09	10 .45	15 .67	7 .31	0 0.00	0 0.00	34 1.53	3.62
W	1 .04	25 1.12	18 .81	14 .63	0 0.00	0 0.00	58 2.61	3.65
WNW	1 .04	12 .54	17 .76	11 .49	0 0.00	0 0.00	41 1.84	3.95
NW	6 .27	10 .45	21 .94	7 .31	0 0.00	0 0.00	44 1.98	3.45
NNW	5 .22	19 .85	10 .45	5 .22	0 0.00	0 0.00	39 1.75	2.76
N	6 .27	22 .99	44 1.98	15 .67	0 0.00	1 .04	88 3.96	3.72
CALM	0 0.00						0 0.00	CALM
TOTAL	79 3.55	777 34.94	848 38.13	433 19.47	56 2.52	31 1.39	2224 100.00	3.88

NUMBER OF VALID OBSERVATIONS 2224 99.64 PCT
NUMBER OF INVALID OBSERVATIONS 8 .36 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD ALL AUGUST COMBINED

ALL WINDS
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13 51 50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	10 .45	42 1.90	26 1.17	24 1.08	3 .14	1 .05	106 4.79	3.73
NE	10 .45	33 1.49	28 1.26	20 .90	0 0.00	0 0.00	91 4.11	3.43
ENE	2 .09	25 1.13	36 1.63	18 .81	3 .14	0 0.00	84 3.79	4.00
E	8 .36	36 1.63	36 1.63	21 .95	2 .09	0 0.00	103 4.65	3.80
ESE	5 .23	36 1.63	38 1.72	12 .54	0 0.00	0 0.00	91 4.11	3.36
SE	8 .36	96 4.34	41 1.85	14 .63	0 0.00	0 0.00	159 7.18	3.03
SSE	6 .27	143 6.46	106 4.79	32 1.45	5 .23	0 0.00	292 13.19	3.42
S	8 .36	120 5.56	240 10.84	177 7.99	46 2.08	0 0.00	594 26.83	4.61
SSW	4 .18	25 1.58	99 4.47	128 5.78	20 .90	2 .09	286 12.92	5.06
SW	9 .41	15 .68	24 1.08	19 .86	0 0.00	0 0.00	67 3.03	3.96
WSW	4 .18	15 .68	14 .63	3 .14	2 .09	0 0.00	38 1.72	3.36
W	8 .36	11 .50	9 .41	4 .18	0 0.00	0 0.00	32 1.45	2.89
WNW	7 .32	23 1.04	14 .63	0 0.00	1 .05	0 0.00	45 2.03	2.68
NW	9 .41	19 .86	15 .68	22 .99	10 .45	0 0.00	75 3.39	4.38
NNW	5 .23	18 .81	15 .68	20 .90	1 .05	0 0.00	59 2.66	4.07
N	8 .36	38 1.72	33 1.49	10 .45	2 .09	1 .05	92 4.16	3.43
CALM	0 0.00						0 0.00	CALM
TOTAL	111 5.01	708 31.98	774 34.96	524 23.67	95 4.29	7 .09	2214 100.00	4.02

NUMBER OF VALID OBSERVATIONS 2214 99.19 PCT
NUMBER OF INVALID OBSERVATIONS 18 .81 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-27

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL SEPTEMBER COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13.56.54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	10 .47	36 1.68	56 2.61	32 1.49	14 .65	0 0.00	148 6.91	4.24
NE	12 .56	65 3.03	29 1.35	18 .84	0 0.00	0 0.00	124 5.79	3.09
ENE	13 .61	40 1.87	39 1.82	15 .70	0 0.00	0 0.00	107 4.99	3.21
E	11 .51	51 2.38	42 1.96	7 .33	0 0.00	0 0.00	111 5.18	3.00
ESE	3 .14	78 3.64	48 2.24	3 .14	0 0.00	0 0.00	132 6.16	2.92
SE	28 1.31	114 5.32	57 2.66	8 .37	1 .05	0 0.00	208 9.71	2.66
SSE	24 1.12	135 6.30	113 5.27	31 1.45	3 .14	0 0.00	306 14.28	3.20
S	27 1.26	85 3.97		77 3.59	17 .79	4 .19	321 14.98	4.11
SSW	18 .84	49 2.29		34 1.59	9 .42	5 .23	169 7.89	4.00
SW	9 .42	39 1.82	19 .89	10 .47	0 0.00	0 0.00	77 3.59	3.06
WSW	8 .37	11 .51	3 .14	3 .14	0 0.00	0 0.00	25 1.17	2.54
W	5 .23	21 .98	8 .37	0 0.00	0 0.00	0 0.00	34 1.59	2.40
WNW	6 .28	17 .79	6 .28	0 0.00	0 0.00	0 0.00	29 1.35	2.40
NW	16 .75	25 1.17	12 .56	6 .28	4 .19	0 0.00	63 2.94	3.03
NNW	16 .75	33 1.54	42 1.96	28 1.31	5 .23	1 .05	125 5.83	4.02
N	7 .33	23 1.07	69 3.22	47 2.19	9 .42	2 .09	157 7.33	4.61
CALM	7 .33						7 .33	CALM
TOTAL	220 10.27	822 38.36	708 33.04	319 14.89	62 2.89	12 .56	2143 100.00	3.48

NUMBER OF VALID OBSERVATIONS	2143	99.21 PCT
NUMBER OF INVALID OBSERVATIONS	17	.79 PCT
TOTAL NUMBER OF OBSERVATIONS	2160	100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL OCTOBER COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 14.57.07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 .18	42 1.89	42 1.89	26 1.17	7 .31	7 .31	128 5.76	4.45
NE	8 .36	27 1.21	21 .94	5 .22	0 0.00	0 0.00	61 2.74	3.14
ENE	2 .09	20 .90	17 .76	6 .27	0 0.00	0 0.00	45 2.02	3.34
E	2 .09	40 1.80	38 1.71	6 .27	1 .04	0 0.00	87 3.91	3.41
ESE	4 .18	36 1.62	40 1.80	21 .94	5 .22	0 0.00	106 4.77	4.00
SE	10 .45	77 3.46	45 2.02	9 .40	17 .76	2 .09	160 7.20	3.77
SSE	6 .27	84 3.78	97 4.36	38 1.71	10 .45	1 .04	236 10.62	3.87
S	12 .54	63 2.83	143 6.43	150 6.75	100 4.50	38 1.71	506 22.76	5.92
SSW	12 .54	48 2.16	45 2.02	48 2.16	13 .58	18 .81	184 8.28	5.09
SW	8 .36	34 1.53	30 1.35	24 1.08	13 .58	2 .09	111 4.99	4.40
WSW	17 .76	26 1.17	14 .63	3 .13	4 .18	0 0.00	64 2.88	2.77
W	9 .40	30 1.35	20 .90	5 .22	3 .13	0 0.00	67 3.01	3.11
WNW	9 .40	37 1.66	22 .99	20 .90	7 .31	0 0.00	95 4.27	3.90
NW	6 .27	61 2.74	24 1.08	9 .40	4 .18	8 .36	112 5.04	3.76
NNW	1 .04	19 .85	39 1.75	34 1.53	22 .99	0 0.00	115 5.17	5.07
N	5 .22	30 1.35	30 1.35	46 2.07	24 1.08	8 .36	143 6.43	5.40
CALM	3 .13						3 .13	CALM
TOTAL	118 5.31	674 30.32	667 30.00	450 20.24	230 10.35	84 3.78	2223 100.00	4.54

NUMBER OF VALID OBSERVATIONS	2223	99.60 PCT
NUMBER OF INVALID OBSERVATIONS	9	.40 PCT
TOTAL NUMBER OF OBSERVATIONS	2232	100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-27

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL NOVEMBER COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15.00.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .09	17 .79	49 2.28	26 1.21	24 1.12	0 0.00	118 5.49	5.10
NE	2 .09	28 1.30	42 1.96	12 .56	1 .05	0 0.00	85 3.96	3.59
ENE	3 .14	13 .61	38 1.77	8 .37	1 .05	0 0.00	63 2.93	3.95
E	2 .09	11 .51	24 1.12	14 .65	3 .14	0 0.00	54 2.51	4.30
ESE	4 .19	18 .84	14 .65	11 .51	0 0.00	0 0.00	47 2.19	3.60
SE	3 .14	35 1.63	25 1.16	6 .28	7 .33	1 .05	77 3.58	3.68
SSE	6 .28	60 2.79	103 4.80	44 2.05	4 .19	0 0.00	217 10.10	4.00
S	5 .23	77 3.58	155 7.22	79 3.68	53 2.47	8 .37	377 17.55	4.92
SSW	4 .19	32 1.49	68 3.17	67 3.12	19 .88	15 .70	205 9.54	5.26
SW	2 .09	19 .88	69 1.35	18 .84	23 1.07	12 .56	103 4.80	5.87
WSW	4 .19	28 1.30	14 .65	12 .56	7 .33	1 .05	66 3.07	4.08
W	5 .23	29 1.35	42 1.96	41 1.91	6 .28	0 0.00	123 5.73	4.44
WNW	6 .28	30 1.40	63 2.93	38 1.77	3 .14	0 0.00	140 6.52	4.18
NW	6 .28	32 1.49	50 2.33	66 3.07	28 1.30	14 .65	196 9.12	5.56
NNW	4 .19	15 .70	33 1.54	70 3.26	36 1.68	3 .14	161 7.50	5.93
N	5 .23	20 .93	25 1.16	41 1.91	22 1.02	3 .14	116 5.40	5.41
CALM	0 0.00						0 0.00	CALM
TOTAL	63 2.93	464 21.60	774 36.03	553 25.74	237 11.03	57 2.65	2148 100.00	4.80

NUMBER OF VALID OBSERVATIONS 2148 99.44 PCT
NUMBER OF INVALID OBSERVATIONS 12 .56 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL DECEMBER COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15.09.30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .09	38 1.78	32 1.50	14 .66	11 .51	8 .37	105 4.91	4.58
NE	5 .23	32 1.50	18 .84	17 .80	1 .05	1 .05	74 3.46	3.61
ENE	3 .14	22 1.03	27 1.26	8 .37	4 .19	0 0.00	64 2.99	3.90
E	4 .19	22 1.03	26 1.22	21 .98	0 0.00	0 0.00	73 3.42	3.96
ESE	2 .09	32 1.50	40 1.87	15 .70	0 0.00	0 0.00	89 4.16	3.68
SE	3 .14	43 2.01	61 2.85	6 .28	0 0.00	0 0.00	113 5.29	3.34
SSE	7 .33	45 2.11	91 4.26	33 1.54	3 .14	0 0.00	179 8.38	3.94
S	5 .23	36 1.68	93 4.35	71 3.32	28 1.31	6 .28	239 11.18	5.02
SSW	4 .19	23 1.08	83 3.88	78 3.65	30 1.40	7 .33	225 10.53	5.27
SW	2 .09	17 .80	36 1.68	25 1.17	3 .14	3 .14	86 4.02	4.61
WSW	7 .33	13 .61	19 .89	17 .80	6 .28	1 .05	63 2.95	4.39
W	10 .47	22 1.03	25 1.17	8 .37	5 .23	4 .19	74 3.46	3.87
WNW	7 .33	22 1.03	32 1.50	30 1.40	10 .47	0 0.00	101 4.73	4.43
NW	4 .19	50 2.34	44 2.06	58 2.71	21 .98	17 .80	194 9.08	5.39
NNW	8 .37	35 1.64	64 2.99	80 3.74	69 3.23	12 .56	268 12.54	5.94
N	7 .33	29 1.36	61 2.85	40 1.87	39 1.82	14 .65	190 8.89	5.83
CALM	0 0.00						0 0.00	CALM
TOTAL	75 3.51	481 22.51	752 35.19	521 24.38	230 10.76	78 3.65	2137 100.00	4.79

NUMBER OF VALID OBSERVATIONS 2137 95.74 PCT
NUMBER OF INVALID OBSERVATIONS 95 4.26 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-28

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL JANUARY COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.02.03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .05	9 .46	27 1.37	75 3.81	37 1.88	24 1.22	173 8.79	5.99
NE	5 .25	13 .66	28 1.42	23 1.17	8 .41	0 0.00	77 3.91	4.69
ENE	1 .05	21 1.07	30 1.52	40 2.03	9 .46	0 0.00	101 5.13	4.82
E	0 0.00	9 .25	17 .86	43 2.18	16 .81	1 .05	82 4.17	6.03
ESE	2 .10	8 .41	18 .91	24 1.22	15 .76	4 .20	71 3.61	6.02
SE	2 .10	7 .36	13 .66	16 .81	15 .76	2 .10	55 2.79	5.79
SSE	4 .20	4 .20	19 .97	18 .91	36 1.83	24 1.22	105 5.34	7.42
S	0 0.00	7 .36	17 .86	50 2.54	49 2.49	58 2.95	181 9.20	8.51
SSW	2 .10	6 .30	30 1.52	70 3.56	75 3.81	47 2.39	230 11.69	8.01
SW	2 .10	10 .51	14 .71	45 2.29	28 1.42	4 .20	103 5.23	6.33
WSW	3 .15	16 .81	16 .81	35 1.78	11 .56	0 0.00	81 4.12	5.22
W	0 0.00	12 .61	34 1.73	45 2.29	17 .86	4 .20	112 5.69	5.65
WNW	0 0.00	7 .36	22 1.12	42 2.13	31 1.58	24 1.22	126 6.40	7.27
NW	0 0.00	3 .15	29 1.47	54 2.74	59 3.00	23 1.17	168 8.54	7.59
NNW	1 .05	3 .15	13 .66	47 2.39	36 1.83	22 1.12	122 6.20	7.77
N	1 .05	8 .41	26 1.32	55 2.79	54 2.74	35 1.78	179 9.10	7.49
CALM	2 .10						2 .10	CALM
TOTAL	26 1.32	139 7.06	353 17.94	682 34.65	496 25.20	272 13.82	1968 100.00	6.95

NUMBER OF VALID OBSERVATIONS 1968 88.17 PCT
NUMBER OF INVALID OBSERVATIONS 264 11.83 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL FEBRUARY COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.33.48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	8 .50	28 1.73	37 2.29	14 .87	18 1.11	105 6.50	6.81
NE	1 .06	19 1.18	27 1.67	23 1.42	16 .99	8 .50	94 5.82	5.53
ENE	0 0.00	5 .31	18 1.11	21 1.30	11 .68	4 .25	59 3.65	6.00
E	1 .06	3 .19	12 .74	29 1.79	14 .87	0 0.00	59 3.65	6.05
ESE	1 .06	2 .12	11 .68	26 1.61	8 .50	0 0.00	48 2.97	5.84
SE	2 .12	8 .50	17 1.05	18 1.11	4 .25	4 .25	53 3.28	5.31
SSE	2 .12	4 .25	14 .87	27 1.67	19 1.18	7 .43	73 4.52	6.60
S	2 .12	4 .25	20 1.24	47 2.91	71 4.39	29 1.79	173 10.71	7.75
SSW	0 0.00	3 .19	13 .80	33 2.04	40 2.48	20 1.24	109 6.75	7.83
SW	0 0.00	10 .62	23 1.42	32 1.98	31 1.92	10 .62	106 6.56	6.79
WSW	2 .12	5 .31	11 .68	29 1.79	11 .68	10 .62	68 4.21	6.60
W	4 .25	5 .31	24 1.49	30 1.86	8 .50	4 .25	75 4.64	5.60
WNW	0 0.00	12 .74	17 1.05	25 1.55	16 .99	2 .12	72 4.46	5.69
NW	1 .06	5 .31	20 1.24	26 1.61	23 1.42	19 1.18	94 5.82	7.51
NNW	0 0.00	7 .43	25 1.55	42 2.60	44 2.72	61 3.77	179 11.08	8.70
N	2 .12	4 .25	39 2.41	77 4.76	47 2.91	78 4.83	247 15.28	8.42
CALM	2 .12						2 .12	CALM
TOTAL	20 1.24	104 6.44	319 19.74	562 32.30	377 23.33	274 16.96	1616 100.00	7.13

NUMBER OF VALID OBSERVATIONS 1616 79.22 PCT
NUMBER OF INVALID OBSERVATIONS 424 20.78 PCT
TOTAL NUMBER OF OBSERVATIONS 2040 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-28 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL MARCH COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .09	7 .32	16 .74	66 3.05	50 2.31	26 1.20	167 7.72	7.37
NE	4 .18	9 .42	33 1.53	19 .88	16 .74	2 .09	83 3.84	5.32
ENE	2 .09	10 .46	23 1.06	17 .79	9 .42	5 .23	66 3.05	5.46
E	2 .09	11 .51	17 .79	26 1.20	25 1.16	11 .51	92 4.25	6.70
ESE	1 .05	11 .51	14 .65	37 1.71	15 .69	23 1.06	101 4.67	7.13
SE	2 .09	9 .42	20 .92	49 2.27	46 2.13	26 1.20	152 7.03	7.54
SSE	1 .05	9 .42	29 1.34	36 1.66	46 2.13	26 1.20	147 6.80	7.43
S	0 0.00	4 .18	15 .69	70 3.24	114 5.27	115 5.32	318 14.70	9.11
SSW	2 .09	4 .18	27 1.25	38 1.76	52 2.40	72 3.33	195 9.02	8.75
SW	1 .05	7 .32	15 .69	29 1.34	15 .69	15 .69	82 3.79	6.95
WSW	1 .05	8 .37	14 .65	21 .97	10 .46	5 .23	59 2.73	6.06
W	6 .28	9 .42	22 1.02	10 .46	10 .46	8 .37	65 3.01	6.02
WNW	0 0.00	3 .14	7 .32	22 1.02	18 .83	18 .83	68 3.14	9.22
NW	1 .05	3 .14	18 .83	37 1.71	32 1.48	37 1.71	128 5.92	8.45
NNW	0 0.00	2 .09	14 .65	53 2.45	77 3.56	88 4.07	234 10.82	9.45
N	3 .14	2 .09	28 1.29	73 3.37	63 2.91	37 1.71	206 9.52	7.53
CALM	0 0.00						0 0.00	CALM
TOTAL	28 1.29	108 4.99	312 14.42	603 27.88	598 27.65	514 23.76	2163 100.00	7.86

NUMBER OF VALID OBSERVATIONS 2163 96.91 PCT
NUMBER OF INVALID OBSERVATIONS 69 3.09 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL APRIL COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10:37:57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	4 .19	16 .76	36 1.70	29 1.37	9 .43	94 4.44	7.04
NE	2 .09	11 .52	38 1.80	34 1.61	4 .19	0 0.00	89 4.21	4.89
ENE	0 0.00	3 .14	15 .71	28 1.32	15 .71	2 .09	63 2.98	6.24
E	2 .09	2 .09	12 .57	37 1.75	39 1.84	7 .33	99 4.68	7.03
ESE	0 0.00	4 .19	17 .80	46 2.17	41 1.94	17 .80	125 5.91	7.51
SE	0 0.00	2 .09	11 .52	27 1.28	94 4.44	44 2.08	178 8.41	8.72
SSE	0 0.00	2 .09	7 .33	48 2.27	102 4.82	104 4.91	263 12.43	9.74
S	0 0.00	2 .09	14 .66	63 2.98	111 5.25	142 6.71	332 15.69	9.82
SSW	2 .09	1 .05	15 .71	40 1.89	70 3.31	46 2.17	174 8.22	8.58
SW	0 0.00	2 .09	11 .52	25 1.18	28 1.32	27 1.28	93 4.40	8.69
WSW	0 0.00	5 .24	6 .28	14 .66	9 .43	17 .80	51 2.41	7.77
W	0 0.00	4 .19	18 .85	29 1.37	18 .85	7 .33	76 3.59	6.59
WNW	2 .09	3 .14	12 .57	12 .57	29 1.37	15 .71	73 3.45	7.80
NW	0 0.00	3 .14	15 .71	30 1.42	41 1.94	44 2.08	133 6.29	8.56
NNW	0 0.00	2 .09	16 .76	38 1.80	55 2.60	15 .71	126 5.95	7.64
N	1 .05	5 .24	10 .47	47 2.22	42 1.98	42 1.98	147 6.95	8.39
CALM	0 0.00						0 0.00	CALM
TOTAL	9 .43	55 2.60	233 11.01	554 26.18	727 34.36	539 25.43	2116 100.00	8.32

NUMBER OF VALID OBSERVATIONS 2116 97.96 PCT
NUMBER OF INVALID OBSERVATIONS 44 2.04 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-28 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL MAY COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.41.53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .05	5 .23	31 1.43	45 2.07	38 1.75	18 .83	138 6.36	6.91
NE	0 .00	15 .69	53 2.44	36 1.66	11 .51	0 .00	115 5.30	4.88
ENE	2 .09	11 .51	31 1.43	42 1.94	29 1.34	5 .23	120 5.53	6.04
E	1 .05	7 .32	28 1.29	48 2.21	29 1.34	5 .23	118 5.44	6.26
ESE	0 .00	6 .28	28 1.29	44 2.03	32 1.47	3 .14	113 5.21	6.37
SE	2 .09	5 .23	36 1.66	78 3.59	39 1.80	11 .51	171 7.88	6.46
SSE	1 .05	9 .41	38 1.75	53 2.44	53 2.44	15 .69	169 7.79	6.68
S	2 .09	13 .60	31 1.43	96 4.42	187 8.62	154 7.10	483 22.26	8.95
SSW	1 .05	6 .28	20 .92	47 2.17	69 3.18	84 3.87	227 10.46	8.97
SW	2 .09	5 .23	15 .69	27 1.24	14 .65	12 .55	75 3.46	6.78
WSW	1 .05	6 .28	9 .41	10 .46	7 .32	1 .05	34 1.57	5.34
W	2 .09	10 .46	24 1.11	14 .65	1 .05	0 .00	51 2.35	4.32
WNW	1 .05	4 .18	10 .46	13 .60	4 .18	2 .09	34 1.57	5.55
NW	0 .00	7 .32	11 .51	31 1.43	12 .55	4 .18	65 3.00	6.16
NNW	2 .09	3 .14	20 .92	53 2.44	34 1.57	2 .09	114 5.25	6.53
N	2 .09	7 .32	14 .65	48 2.21	50 2.30	22 1.01	143 6.59	7.49
CALM	0 .00						0 .00	CALM
TOTAL	20 .92	119 5.48	399 18.39	685 31.57	609 28.06	338 15.58	2170 100.00	7.19

NUMBER OF VALID OBSERVATIONS 2170 97.22 PCT
NUMBER OF INVALID OBSERVATIONS 62 2.78 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL JUNE COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 .00	10 .47	28 1.32	38 1.79	15 .71	4 .19	95 4.47	5.80
NE	3 .14	9 .42	46 2.16	14 .66	2 .09	1 .05	75 3.53	4.28
ENE	2 .09	8 .38	35 1.65	22 1.03	6 .28	0 .00	73 3.43	4.80
E	0 .00	9 .42	17 .80	23 1.08	8 .38	3 .14	60 2.82	5.57
ESE	1 .05	7 .33	23 1.08	34 1.60	9 .42	1 .05	75 3.53	5.53
SE	1 .05	9 .42	25 1.18	38 1.79	9 .42	3 .14	85 4.00	5.57
SSE	0 .00	7 .33	30 1.41	57 2.68	62 2.92	10 .47	166 7.81	6.83
S	3 .14	18 .85	31 1.46	163 7.67	197 9.27	115 5.41	527 24.79	8.12
SSW	1 .05	8 .38	41 1.93	101 4.75	160 7.53	89 4.19	400 18.81	8.18
SW	2 .09	4 .19	25 1.18	45 2.12	34 1.60	22 1.03	132 6.21	7.19
WSW	1 .05	8 .38	18 .85	20 .94	8 .38	4 .19	59 2.78	5.69
W	4 .19	8 .38	21 .99	24 1.13	3 .14	5 .24	65 3.06	5.37
WNW	2 .09	1 .05	14 .66	35 1.65	11 .52	4 .19	67 3.15	6.25
NW	2 .09	2 .09	13 .61	24 1.13	13 .61	4 .19	58 2.73	6.45
NNW	1 .05	4 .19	13 .61	48 2.26	21 .99	9 .42	96 4.52	6.84
N	0 .00	2 .09	21 .99	38 1.79	27 1.27	4 .19	92 4.33	6.81
CALM	1 .05						1 .05	CALM
TOTAL	24 1.13	114 5.36	401 18.86	724 34.05	585 27.52	278 13.08	2126 100.00	6.98

NUMBER OF VALID OBSERVATIONS 2126 98.43 PCT
NUMBER OF INVALID OBSERVATIONS 34 1.57 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-28 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL JULY COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	3 .14	10 .47	49 2.30	19 .89	14 .66	95 4.46	7.25
NE	0 0.00	5 .23	19 .89	40 1.88	3 .14	0 0.00	67 3.15	5.24
ENE	1 .05	8 .38	31 1.46	60 2.82	17 .80	4 .19	121 5.69	5.93
E	2 .09	14 .66	29 1.83	85 3.99	31 1.46	3 .14	174 8.18	5.86
ESE	2 .09	21 .99	45 2.11	31 1.46	27 1.27	4 .19	130 6.11	5.36
SE	1 .05	8 .38	24 1.60	61 2.87	23 1.08	4 .19	131 6.16	5.95
SSE	0 0.00	13 .61	43 2.02	85 3.99	37 1.74	1 .05	179 8.41	5.94
S	0 0.00	17 .80	44 2.07	266 12.50	149 7.00	49 2.30	525 24.67	7.13
SSW	1 .05	11 .52	34 1.60	152 7.14	113 5.31	27 1.27	338 15.88	7.19
SW	2 .09	5 .23	25 1.17	61 2.87	21 .99	3 .14	117 5.50	6.09
WSW	0 0.00	2 .09	12 .56	21 .99	10 .47	0 0.00	45 2.11	6.04
W	1 .05	6 .28	11 .52	14 .66	13 .61	2 .09	47 2.21	5.89
WNW	0 0.00	3 .14	10 .47	10 .47	13 .61	0 0.00	36 1.69	6.21
NW	2 .09	3 .14	7 .33	15 .70	10 .47	0 0.00	37 1.74	5.91
NNW	4 .19	1 .05	4 .19	13 .61	3 .14	1 .05	26 1.22	5.18
N	1 .05	3 .14	8 .38	28 1.32	13 .61	7 .33	60 2.82	6.86
CALM	0 0.00						0 0.00	CALM
TOTAL	17 .80	123 5.78	376 17.67	991 46.57	502 23.59	119 5.59	2128 100.00	6.46

NUMBER OF VALID OBSERVATIONS 2128 95.34 PCT
NUMBER OF INVALID OBSERVATIONS 104 4.66 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL AUGUST COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.51.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .09	5 .23	26 1.22	35 1.64	13 .61	5 .23	86 4.02	5.95
NE	1 .05	11 .51	33 1.54	38 1.78	2 .09	2 .09	87 4.07	4.97
ENE	1 .05	7 .33	28 1.31	47 2.20	9 .42	1 .05	93 4.35	5.61
E	3 .14	9 .42	21 .98	43 2.01	18 .84	4 .19	98 4.59	5.88
ESE	1 .05	8 .37	17 .80	28 1.31	11 .51	2 .09	67 3.14	5.75
SE	1 .05	14 .66	35 1.64	53 2.48	24 1.12	5 .23	132 6.18	5.87
SSE	1 .05	12 .56	40 1.87	91 4.26	43 2.01	24 1.12	211 9.87	6.75
S	1 .05	11 .51	60 2.81	229 10.72	143 6.69	147 6.88	591 27.66	7.86
SSW	1 .05	3 .14	50 2.34	181 8.47	76 3.56	48 2.25	359 16.80	7.20
SW	5 .23	14 .66	46 2.15	37 1.73	20 .94	6 .28	128 5.99	5.48
WSW	0 0.00	7 .33	10 .47	8 .37	6 .28	0 0.00	31 1.45	5.06
W	1 .05	9 .42	12 .56	9 .42	3 .14	1 .05	35 1.64	4.68
WNW	2 .09	7 .33	8 .37	11 .51	2 .09	1 .05	31 1.45	5.04
NW	2 .09	4 .19	13 .61	12 .56	11 .51	4 .19	46 2.15	6.22
NNW	1 .05	5 .23	14 .66	28 1.31	11 .51	4 .19	63 2.95	6.17
N	2 .09	7 .33	20 .94	33 1.54	10 .47	7 .33	79 3.70	5.99
CALM	0 0.00						0 0.00	CALM
TOTAL	25 1.17	133 6.22	433 20.26	883 41.32	402 18.81	261 12.21	2137 100.00	6.64

NUMBER OF VALID OBSERVATIONS 2137 95.74 PCT
NUMBER OF INVALID OBSERVATIONS 95 4.26 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-28 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL SEPTEMBER COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13:53:54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 .19	5 .24	28 1.33	33 1.57	35 1.66	22 1.05	127 6.04	7.04
NE	1 .05	19 .90	39 1.85	34 1.62	8 .38	1 .05	102 4.85	4.65
ENE	0 0.00	12 .57	21 1.00	30 1.43	32 1.52	8 .38	103 4.90	6.57
E	0 0.00	11 .52	24 1.14	54 2.57	26 1.24	3 .14	118 5.61	6.04
ESE	0 0.00	15 .71	31 1.47	54 2.57	14 .67	0 0.00	114 5.42	5.45
SE	4 .19	18 .86	50 2.38	104 4.95	29 1.38	9 .43	214 10.18	5.76
SSE	4 .19	20 .95	61 2.90	106 5.04	49 2.33	24 1.14	264 12.55	6.30
S	2 .10	27 1.28	88 4.18	145 6.89	69 3.28	44 2.09	375 17.83	6.49
SSW	5 .24	24 1.14	50 2.38	69 3.28	22 1.05	8 .38	178 8.46	5.64
SW	0 0.00	20 .95	32 1.52	34 1.62	5 .24	0 0.00	91 4.33	4.81
WSW	1 .05	11 .52	16 .76	7 .33	2 .10	0 0.00	37 1.76	3.99
W	4 .19	13 .62	22 1.05	3 .14	2 .10	0 0.00	44 2.09	3.46
WNW	1 .05	6 .29	11 .52	4 .19	1 .05	0 0.00	23 1.09	3.94
NW	2 .10	11 .52	16 .76	19 .90	8 .38	3 .14	59 2.81	5.34
NNW	2 .10	7 .33	12 .57	44 2.09	25 1.19	2 .10	92 4.37	6.28
N	2 .10	12 .57	8 .38	60 2.85	54 2.57	24 1.14	160 7.61	7.36
CALM	2 .10						2 .10	CALM
TOTAL	34 1.62	231 10.98	509 24.20	800 38.04	381 18.12	148 7.04	2103 100.00	6.01

NUMBER OF VALID OBSERVATIONS 2103 97.36 PCT
NUMBER OF INVALID OBSERVATIONS 57 2.64 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD: ALL OCTOBER COMBINED

ALL WINDS
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 14:57:07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	7 .35	13 .65	29 1.44	25 1.25	7 .35	81 4.04	6.82
NE	0 0.00	8 .40	23 1.15	15 .75	0 0.00	0 0.00	46 2.29	4.47
ENE	1 .05	3 .15	22 1.10	24 1.20	9 .45	0 0.00	59 2.94	5.47
E	2 .10	4 .20	19 .95	20 1.00	24 1.20	1 .05	70 3.49	6.14
ESE	4 .20	0 0.00	27 1.35	29 1.44	28 1.40	10 .50	98 4.88	6.70
SE	0 0.00	7 .35	17 .85	50 2.49	28 1.40	29 1.44	131 6.53	7.60
SSE	1 .05	8 .40	23 1.15	64 3.19	68 3.39	35 1.74	199 9.92	7.83
S	4 .20	6 .30	39 1.94	134 6.68	165 8.22	131 6.53	479 23.87	8.70
SSW	4 .20	12 .60	28 1.40	69 3.44	46 2.29	19 .95	178 8.87	6.89
SW	1 .05	6 .30	31 1.54	29 1.44	14 .70	12 .60	93 4.63	6.32
WSW	1 .05	5 .25	27 1.35	23 1.15	2 .10	3 .15	61 3.04	5.10
W	0 0.00	9 .45	19 .95	14 .70	9 .45	8 .40	59 2.94	6.02
WNW	0 0.00	7 .35	21 1.05	25 1.25	29 1.44	10 .50	92 4.58	6.88
NW	1 .05	4 .20	19 .95	30 1.49	34 1.69	14 .70	102 5.08	7.40
NNW	0 0.00	2 .10	13 .65	31 1.54	37 1.84	17 .85	100 4.98	7.59
N	3 .15	4 .20	10 .50	39 1.94	58 2.89	44 2.19	158 7.87	8.46
CALM	1 .05						1 .05	CALM
TOTAL	27 1.1	92 4.58	351 17.49	625 31.14	576 28.70	340 16.94	2007 100.00	7.40

NUMBER OF VALID OBSERVATIONS 2007 89.92 PCT
NUMBER OF INVALID OBSERVATIONS 225 10.08 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-28 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION (MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD ALL NOVEMBER COMBINED

ALL WINDS
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/11/81 15:03:46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 0.09	6 2.81	25 11.68	36 16.82	35 16.36	21 9.81	125 58.41	7.09
NE	1 0.05	7 3.27	22 10.28	39 18.22	4 1.87	0 0.00	73 34.11	5.00
ENE	1 0.05	5 2.34	9 4.21	19 8.88	18 8.41	10 4.67	62 28.97	6.98
E	1 0.05	1 0.05	10 4.67	20 9.35	18 8.41	4 1.87	54 25.23	6.94
ESE	2 0.09	6 2.81	3 1.40	21 9.81	3 1.40	6 2.80	46 21.50	6.61
SE	2 0.93	5 2.34	14 6.54	25 11.68	18 8.41	6 2.80	68 31.78	6.69
SSE	0 0.00	2 0.93	22 10.28	65 30.37	56 26.17	40 18.69	185 86.45	7.91
S	3 1.40	8 3.74	47 21.96	130 60.75	120 56.07	76 35.51	384 179.44	7.87
SSW	1 0.05	5 2.34	18 8.41	92 42.99	63 29.44	49 22.90	228 106.54	7.89
SW	2 0.93	6 2.80	17 7.94	33 15.42	35 16.36	20 9.35	113 52.80	7.52
WSW	0 0.00	3 1.40	17 7.94	26 12.15	25 11.68	4 1.87	75 35.05	6.36
W	1 0.05	3 1.40	20 9.35	49 22.90	44 20.56	8 3.74	125 58.41	7.04
WNW	0 0.00	4 1.87	14 6.54	54 25.23	50 23.36	5 2.34	127 59.35	7.08
NW	2 0.93	2 0.93	8 3.74	52 24.30	69 32.24	46 21.50	179 83.64	8.67
NNW	2 0.93	3 1.40	10 4.67	50 23.36	64 29.91	50 23.36	179 83.64	8.49
N	2 0.93	6 2.80	15 7.01	26 12.15	47 21.96	13 6.07	109 50.93	7.53
CALM	1 0.05						1 0.05	CALM
TOTAL	21 9.81	72 33.64	281 131.31	737 344.39	674 314.95	358 167.29	2143 1001.87	7.54

NUMBER OF VALID OBSERVATIONS 2143 99.21 PCT
NUMBER OF INVALID OBSERVATIONS 17 .79 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

JOINT WIND FREQUENCY DISTRIBUTION
DATA PERIOD ALL DECEMBER COMBINED

ALL WINDS
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/11/81 15:09:30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 0.09	11 4.95	25 11.26	15 6.76	21 9.46	24 10.81	98 44.14	7.26
NE	1 0.05	16 7.21	23 10.36	41 18.47	9 4.05	1 0.45	91 40.99	5.30
ENE	1 0.05	11 4.95	9 4.05	21 9.46	15 6.76	2 0.90	59 26.58	5.95
E	3 1.35	9 4.05	9 4.05	17 7.66	7 3.15	0 0.00	45 20.27	4.92
ESE	1 0.45	7 3.15	13 5.86	23 10.36	22 9.91	3 1.35	69 31.08	6.37
SE	3 1.35	4 1.80	17 7.66	28 12.61	21 9.46	3 1.35	86 38.74	6.25
SSE	2 0.90	5 2.25	24 10.81	70 31.53	60 27.03	1 0.45	162 72.97	6.84
S	0 0.00	3 1.35	26 11.71	78 35.14	109 49.10	66 29.73	282 127.03	8.32
SSW	2 0.90	5 2.25	17 7.66	76 34.23	95 42.79	53 23.87	248 111.71	8.11
SW	3 1.35	5 2.25	19 8.56	53 23.87	21 9.46	11 4.95	112 50.45	6.54
WSW	0 0.00	6 2.70	19 8.56	21 9.46	7 3.15	8 3.60	61 27.48	6.14
W	2 0.90	5 2.25	11 4.95	21 9.46	7 3.15	4 1.80	50 22.52	6.07
WNW	3 1.35	7 3.15	12 5.41	42 18.92	33 14.86	14 6.31	110 49.55	7.14
NW	2 0.90	8 3.60	21 9.46	55 24.77	51 22.97	29 13.06	176 79.28	7.92
NNW	2 0.90	13 5.86	16 7.21	92 41.44	86 38.74	63 28.38	272 122.52	7.99
N	1 0.45	10 4.50	29 13.06	56 25.23	55 24.77	66 29.73	217 97.75	8.24
CALM	2 0.90						2 0.90	CALM
TOTAL	29 13.06	125 56.31	340 153.15	719 323.87	619 278.83	358 161.26	2140 964.19	7.36

NUMBER OF VALID OBSERVATIONS 2140 95.88 PCT
NUMBER OF INVALID OBSERVATIONS 92 4.12 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

Rev. 8
2/82

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: THREE YEARS COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 .14 .02	24 .87 .10	47 1.70 .19	2 .08 .01	14 .51 .06	0 0.00 0.00	151 5.47 .62	4.99
NE	6 .22 .03	17 .62 .07	35 1.27 .14	16 .58 .06	4 .14 .02	0 0.00 0.00	74 2.68 .30	4.33
ENE	2 .07 .01	7 .25 .03	35 1.27 .14	14 .51 .06	0 0.00 0.00	0 0.00 0.00	58 2.10 .24	4.24
E	3 .11 .01	10 .36 .04	23 .83 .09	10 .36 .04	3 .11 .01	0 0.00 0.00	47 1.70 .19	4.47
ESE	2 .07 .01	8 .29 .03	28 1.01 .11	11 .40 .04	3 .11 .01	0 0.00 0.00	52 1.88 .21	4.57
SE	2 .07 .01	11 .40 .04	20 .72 .08	6 .22 .02	1 .04 .00	0 0.00 0.00	40 1.45 .16	4.45
SSE	2 .07 .01	7 .25 .03	18 .65 .07	4 .14 .02	0 0.00 0.00	0 0.00 0.00	31 1.12 .13	4.40
S	3 .11 .01	11 .40 .04	26 .94 .11	8 .29 .03	1 .04 .00	0 0.00 0.00	49 1.77 .20	4.59
SSW	3 .11 .01	8 .29 .03	27 .98 .11	8 .29 .03	1 .04 .00	0 0.00 0.00	47 1.70 .19	4.51
SW	2 .07 .01	8 .29 .03	21 .76 .09	6 .22 .02	1 .04 .00	0 0.00 0.00	38 1.37 .15	4.47
WSW	2 .07 .01	6 .22 .02	18 .65 .07	5 .18 .02	1 .04 .00	0 0.00 0.00	32 1.16 .13	4.53
W	2 .07 .01	7 .25 .03	19 .69 .08	5 .18 .02	1 .04 .00	0 0.00 0.00	34 1.23 .14	4.53
WNW	2 .07 .01	6 .22 .02	16 .58 .06	4 .14 .02	1 .04 .00	0 0.00 0.00	29 1.05 .12	4.57
NW	2 .07 .01	7 .25 .03	17 .62 .07	4 .14 .02	1 .04 .00	0 0.00 0.00	31 1.12 .13	4.48
NNW	2 .07 .01	7 .25 .03	18 .65 .07	4 .14 .02	1 .04 .00	0 0.00 0.00	32 1.16 .13	4.47
CALM	1 .04 .00						1 .04 .00	CALM
TOTAL	42 1.52 .17	297 10.76 1.21	694 25.14 2.84	977 35.39 4.00	503 18.22 2.06	215 7.79 .88	2761 100.00 11.29	6.07

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: THREE YEARS COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .04 .00	10 .38 .05	24 .91 .12	14 .53 .07	12 .45 .06	4 .15 .02	65 2.48 .32	5.40
NE	2 .08 .01	8 .30 .04	20 .76 .10	6 .23 .03	3 .11 .01	2 .08 .01	41 1.56 .20	5.18
ENE	4 .15 .02	11 .42 .05	29 1.10 .14	9 .34 .04	2 .08 .01	0 0.00 0.00	55 2.09 .27	3.64
E	2 .08 .01	8 .30 .04	22 .84 .11	7 .27 .03	4 .15 .02	0 0.00 0.00	43 1.64 .21	4.25
ESE	1 .04 .00	8 .30 .04	10 .38 .05	4 .15 .02	1 .04 .00	0 0.00 0.00	24 .91 .12	5.28
SE	0 0.00 0.00	1 .04 .00	4 .15 .02	1 .04 .00	0 0.00 0.00	0 0.00 0.00	6 .23 .03	5.04
SSE	0 0.00 0.00	1 .04 .00	2 .08 .01	1 .04 .00	0 0.00 0.00	0 0.00 0.00	4 .15 .02	5.46
S	0 0.00 0.00	1 .04 .00	4 .15 .02	1 .04 .00	0 0.00 0.00	0 0.00 0.00	6 .23 .03	5.67
SSW	0 0.00 0.00	1 .04 .00	2 .08 .01	1 .04 .00	0 0.00 0.00	0 0.00 0.00	4 .15 .02	5.04
SW	0 0.00 0.00	1 .04 .00	2 .08 .01	1 .04 .00	0 0.00 0.00	0 0.00 0.00	4 .15 .02	5.20
WSW	0 0.00 0.00	1 .04 .00	3 .11 .01	1 .04 .00	0 0.00 0.00	0 0.00 0.00	5 .19 .02	5.28
W	1 .04 .00	2 .08 .01	4 .15 .02	1 .04 .00	0 0.00 0.00	0 0.00 0.00	8 .30 .04	4.75
WNW	1 .04 .00	2 .08 .01	3 .11 .01	1 .04 .00	0 0.00 0.00	0 0.00 0.00	7 .26 .03	5.02
NW	1 .04 .00	2 .08 .01	4 .15 .02	1 .04 .00	0 0.00 0.00	0 0.00 0.00	8 .30 .04	4.81
NNW	1 .04 .00	2 .08 .01	4 .15 .02	2 .08 .01	1 .04 .00	0 0.00 0.00	10 .38 .05	5.77
N	1 .04 .00	2 .08 .01	3 .11 .01	2 .08 .01	1 .04 .00	0 0.00 0.00	9 .34 .04	6.01
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	17 .64 .08	189 7.07 .93	345 12.91 1.69	422 15.79 2.07	206 7.71 1.01	75 2.81 .37	1254 46.93 6.16	5.67

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL C
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	14	25	26	21	2	89	5.65
	.00	.04	1.68	1.74	1.41	.13	5.97	
	.03	.36	.67	.87	.59	.01	2.53	
NE	2	9	19	12	2	0	44	3.90
	.13	1.47	1.27	.87	.13	0.00	3.89	
	.01	.09	.08	.05	.01	0.00	.24	
ENE	1	10	16	9	1	0	38	4.25
	.07	.87	1.07	.60	.13	0.00	2.55	
	.03	.04	.07	.04	.01	0.00	.16	
E	4	5	14	7	1	0	31	4.40
	.27	.34	.94	.47	0.00	.07	2.08	
	.02	.02	.06	.03	0.00	.00	.13	
ESE	0	3	11	4	0	0	18	4.51
	0.00	.34	.74	.54	0.00	.07	2.68	
	0.00	.02	.04	.04	0.00	.00	.10	
SE	2	9	24	15	4	1	55	4.73
	.13	.47	1.61	1.01	.27	.07	3.55	
	.01	.03	.10	.06	.02	.00	.22	
SSE	3	14	30	21	5	1	74	5.04
	.20	.94	2.01	1.41	.34	.07	4.97	
	.01	.05	.12	.08	.02	.00	.29	
S	8	17	41	13	5	1	85	4.50
	.54	1.14	2.75	.87	.34	.07	5.71	
	.03	.07	.16	.05	.02	.00	.34	
SSW	20	27	71	36	7	1	162	5.96
	1.34	1.81	4.76	2.41	.47	.07	10.87	
	.08	.11	.28	.14	.03	.00	.64	
SW	16	17	48	30	5	1	117	6.21
	1.07	1.14	3.22	2.01	.34	.07	7.85	
	.06	.07	.19	.12	.02	.00	.46	
WSW	3	8	14	3	1	0	29	5.71
	.20	.54	.94	.20	.07	0.00	1.95	
	.01	.03	.06	.01	.00	0.00	.11	
W	2	8	11	3	1	0	25	4.44
	.13	.54	.74	.20	.07	0.00	1.68	
	.01	.03	.04	.01	.00	0.00	.10	
WNW	1	8	17	7	2	0	35	4.30
	.07	.54	1.14	.47	.13	0.00	2.35	
	.00	.03	.07	.03	.01	0.00	.14	
NW	3	8	21	7	1	0	40	5.10
	.20	.54	1.41	.47	.07	0.00	2.68	
	.01	.03	.08	.03	.00	0.00	.16	
NNW	2	7	10	4	2	0	25	4.68
	.13	.47	.67	.27	.13	0.00	1.68	
	.01	.03	.04	.02	.01	0.00	.10	
N	2	8	22	7	2	0	41	5.13
	.13	.54	1.48	.47	.13	0.00	2.75	
	.01	.03	.09	.03	.01	0.00	.17	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	89	188	446	523	231	78	1492	5.63
	1.74	12.60	29.89	35.05	15.48	5.23	100.00	
	.11	.77	1.82	2.14	.94	.32	6.10	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL D
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	18	99	206	168	79	17	587	5.06
	.94	1.31	2.72	2.22	1.04	.22	7.75	
	.07	.40	.84	.69	.32	.07	2.40	
NE	16	102	177	91	18	3	407	4.15
	.84	1.35	2.34	1.20	.24	.04	5.37	
	.07	.42	.72	.37	.07	.01	1.66	
ENE	18	78	145	95	19	1	336	4.19
	.94	1.03	1.91	1.25	.25	.01	4.44	
	.07	.32	.59	.39	.08	.00	1.37	
E	18	84	161	77	14	4	358	4.10
	.95	1.11	2.13	1.02	.18	.05	4.73	
	.07	.34	.66	.31	.06	.02	1.46	
ESE	7	41	109	83	25	14	329	4.78
	.37	.54	1.44	1.10	.33	.18	4.35	
	.03	.17	.44	.34	.10	.06	1.34	
SE	19	44	157	74	20	6	320	4.70
	1.00	.58	2.08	.98	.26	.08	4.23	
	.08	.18	.64	.30	.08	.02	1.30	
SSE	11	31	99	125	41	21	488	4.92
	.58	.41	1.31	1.65	.54	.28	6.44	
	.04	.13	.40	.51	.17	.09	1.99	
S	31	77	244	300	217	88	1029	6.12
	1.64	1.02	3.22	3.96	2.87	1.16	13.58	
	.13	.31	.99	1.22	.88	.36	4.19	
SSW	27	48	141	160	110	35	531	6.03
	1.43	.63	1.86	2.11	1.45	.46	7.01	
	.11	.20	.57	.65	.45	.14	2.16	
SW	10	67	169	249	123	55	671	6.03
	.53	.88	2.23	3.29	1.62	.73	8.86	
	.04	.27	.69	1.01	.50	.22	2.74	
WSW	7	37	99	96	34	8	281	4.76
	.37	.49	1.31	1.27	.45	.11	3.71	
	.03	.15	.40	.39	.14	.03	1.15	
W	18	45	88	24	4	1	180	4.40
	.95	.59	1.16	.32	.05	.01	2.37	
	.07	.18	.36	.10	.02	.00	.73	
WNW	9	44	78	40	10	2	183	4.77
	.48	.58	1.03	.53	.13	.03	2.41	
	.04	.18	.32	.16	.04	.01	.75	
NW	6	36	56	15	3	1	117	5.34
	.32	.47	.74	.20	.04	.01	1.54	
	.02	.15	.23	.06	.01	.00	.48	
NNW	11	46	79	102	31	9	278	5.41
	.58	.61	1.04	1.35	.41	.12	3.66	
	.04	.19	.32	.42	.13	.04	1.14	
N	12	69	105	187	88	18	477	6.15
	.63	.91	1.38	2.46	1.16	.24	6.28	
	.04	.28	.43	.77	.36	.07	1.95	
CALM	13	61	160	242	137	45	658	6.07
	.69	.80	2.11	3.19	1.81	.59	8.66	
	.05	.25	.65	.99	.56	.18	2.69	
TOTAL	18	69	209	199	116	39	698	5.48
	.94	.91	2.75	2.62	1.53	.51	9.18	
	.07	.28	.85	.81	.47	.16	2.86	
	7	0	0	0	0	0	7	CALM
	.37	0.00	0.00	0.00	0.00	0.00	.09	
	.03	0.00	0.00	0.00	0.00	0.00	.03	
TOTAL	1905	1175	2495	2230	1079	360	7576	5.32
	25.14	15.51	32.93	29.44	14.24	4.75	100.00	
	1.97	1.21	2.58	2.30	1.12	.37	9.54	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL E
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	11	59	79	39	9	7	201	4.18
	1.91	10.26	13.74	6.78	1.57	1.22	34.96	
	0.31	1.64	2.20	1.09	0.25	0.19	5.58	
NE	16	104	72	16	1	0	209	3.04
	2.78	18.09	12.52	2.78	0.17	0.00	36.35	
	0.44	2.89	2.00	0.44	0.03	0.00	5.81	
ENE	17	87	83	28	5	0	220	3.40
	2.96	15.13	14.43	4.87	0.87	0.00	38.26	
	0.47	2.42	2.31	0.78	0.14	0.00	6.12	
E	29	149	142	48	5	0	373	3.73
	5.04	25.91	24.70	8.35	0.87	0.00	64.87	
	0.81	4.14	3.95	1.33	0.14	0.00	10.36	
ESE	27	157	104	11	0	0	299	4.19
	4.70	27.30	18.09	1.91	0.00	0.00	51.99	
	0.75	4.36	2.89	0.31	0.00	0.00	8.31	
SE	38	167	125	11	1	0	342	4.02
	6.61	29.04	21.74	1.91	0.17	0.00	59.48	
	1.06	4.64	3.48	0.31	0.03	0.00	9.50	
SSE	30	145	214	104	19	2	514	4.62
	5.22	25.22	37.22	18.09	3.30	0.35	89.39	
	0.83	4.03	5.94	2.89	0.53	0.06	14.28	
S	38	199	503	486	137	52	1415	5.34
	6.61	34.61	87.48	84.52	23.83	9.04	246.09	
	1.06	5.53	13.97	13.50	3.81	1.44	39.31	
SSW	19	85	190	188	65	19	566	5.20
	3.30	14.78	33.04	32.70	11.30	3.30	98.43	
	0.53	2.36	5.28	5.22	1.81	0.53	15.72	
SW	7	45	80	39	11	7	189	5.85
	1.22	7.83	13.91	6.78	1.91	1.22	32.87	
	0.19	1.25	2.22	1.08	0.31	0.19	5.25	
WSW	12	20	37	67	19	2	157	5.54
	2.09	3.48	6.43	11.65	3.30	0.35	27.30	
	0.33	0.56	1.03	1.86	0.53	0.06	4.36	
W	8	29	33	40	11	4	125	5.54
	1.39	5.04	5.74	6.96	1.91	0.70	21.74	
	0.22	0.81	0.92	1.11	0.31	0.11	3.47	
WNW	4	36	68	39	9	0	156	5.49
	0.70	6.26	11.83	6.78	1.57	0.00	27.13	
	0.11	1.00	1.89	1.08	0.25	0.00	4.33	
NW	7	49	65	37	5	0	163	5.02
	1.22	8.52	11.30	6.43	0.87	0.00	28.35	
	0.19	1.36	1.81	1.03	0.14	0.00	4.52	
NNW	7	31	91	46	5	0	180	5.39
	1.22	5.39	15.83	8.00	0.87	0.00	31.30	
	0.19	0.86	2.53	1.28	0.14	0.00	5.00	
N	11	24	82	44	11	2	174	5.69
	1.91	4.17	14.26	7.65	1.91	0.35	30.26	
	0.31	0.67	2.28	1.22	0.31	0.06	4.83	
CALM	1						1	CALM
	0.17						0.17	
	0.03						0.03	
TOTAL	317	1415	2292	1457	356	106	5948	4.42
	55.13	246.09	398.61	253.39	61.91	18.43	1034.57	
	8.80	39.29	63.65	40.46	9.89	2.94	165.11	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL F
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	16	87	56	1	0	0	130	2.84
	2.78	15.10	9.72	0.17	0.00	0.00	22.57	
	0.45	2.44	1.57	0.03	0.00	0.00	3.65	
NE	16	92	37	0	0	0	145	2.53
	2.78	15.97	6.42	0.00	0.00	0.00	25.17	
	0.45	2.58	1.04	0.00	0.00	0.00	4.07	
ENE	17	77	53	0	0	0	147	2.75
	2.95	13.37	9.20	0.00	0.00	0.00	25.52	
	0.48	2.16	1.49	0.00	0.00	0.00	4.13	
E	25	109	65	0	0	0	199	3.03
	4.34	18.92	11.28	0.00	0.00	0.00	34.55	
	0.70	3.06	1.83	0.00	0.00	0.00	5.59	
ESE	27	93	27	4	0	0	151	2.47
	4.69	16.15	4.69	0.69	0.00	0.00	26.22	
	0.76	2.61	0.76	0.11	0.00	0.00	4.24	
SE	29	98	31	4	0	0	162	2.39
	5.04	17.01	5.38	0.69	0.00	0.00	28.13	
	0.81	2.75	0.87	0.11	0.00	0.00	4.55	
SSE	19	80	21	2	0	0	122	2.39
	3.30	13.89	3.65	0.35	0.00	0.00	21.18	
	0.53	2.25	0.59	0.06	0.00	0.00	3.43	
S	19	80	25	2	0	0	126	2.48
	3.30	13.89	4.34	0.35	0.00	0.00	21.88	
	0.53	2.25	0.70	0.06	0.00	0.00	3.54	
SSW	11	49	19	2	0	0	81	2.41
	1.91	8.51	3.30	0.35	0.00	0.00	14.06	
	0.31	1.38	0.53	0.06	0.00	0.00	2.28	
SW	7	37	11	0	0	0	55	2.41
	1.22	6.43	1.91	0.00	0.00	0.00	9.55	
	0.20	1.04	0.31	0.00	0.00	0.00	1.55	
WSW	4	13	3	0	0	0	20	2.00
	0.70	2.26	0.52	0.00	0.00	0.00	3.47	
	0.11	0.37	0.08	0.00	0.00	0.00	0.56	
W	2	13	3	0	0	0	18	2.17
	0.35	2.26	0.52	0.00	0.00	0.00	3.13	
	0.06	0.37	0.08	0.00	0.00	0.00	0.51	
WNW	3	14	3	0	0	0	20	2.00
	0.52	2.43	0.52	0.00	0.00	0.00	3.48	
	0.08	0.40	0.08	0.00	0.00	0.00	0.56	
NW	4	16	3	0	0	0	23	1.91
	0.69	2.78	0.52	0.00	0.00	0.00	4.00	
	0.11	0.45	0.08	0.00	0.00	0.00	0.65	
NNW	3	11	3	0	0	0	17	2.06
	0.52	1.91	0.52	0.00	0.00	0.00	2.96	
	0.08	0.31	0.08	0.00	0.00	0.00	0.48	
N	5	15	3	0	0	0	23	1.74
	0.87	2.61	0.52	0.00	0.00	0.00	4.00	
	0.14	0.42	0.08	0.00	0.00	0.00	0.65	
CALM	1						1	CALM
	0.17						0.17	
	0.03						0.03	
TOTAL	248	1405	1308	116	2	0	3080	2.93
	43.14	244.43	227.52	20.18	0.35	0.00	535.83	
	7.00	39.68	36.93	3.28	0.06	0.00	86.94	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: THREE YEARS COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	14	100	57	1	0	0	177	2.75
	63	4.69	2.55	.04	0.00	0.00	7.91	
	06	43	50	00	0.00	0.00	72	
NE	17	64	28	1	0	0	110	2.54
	76	2.86	1.25	.04	0.00	0.00	4.92	
	07	59	11	00	0.00	0.00	45	
ENE	11	34	30	1	0	0	86	2.86
	49	1.70	1.52	.13	0.00	0.00	3.84	
	04	16	14	01	0.00	0.00	35	
E	12	75	64	1	0	0	152	2.86
	54	3.35	2.86	.04	0.00	0.00	6.79	
	05	34	26	00	0.00	0.00	62	
ESE	7	80	40	0	0	0	127	2.58
	31	3.80	1.79	0.00	0.00	0.00	5.70	
	03	35	16	0.00	0.00	0.00	54	
SE	9	161	92	1	0	0	264	2.56
	1.30	7.24	3.86	.04	0.00	0.00	11.80	
	04	65	37	00	0.00	0.00	1.08	
SSE	5	193	112	4	0	0	322	2.74
	1.05	8.63	5.01	.18	0.00	0.00	14.34	
	09	79	46	02	0.00	0.00	1.36	
S	7	134	94	7	0	0	247	2.71
	1.12	5.99	3.76	.18	0.00	0.00	11.04	
	08	55	38	02	0.00	0.00	1.01	
SSW	4	45	38	5	0	0	102	2.43
	1.16	2.01	1.70	.13	0.00	0.00	4.56	
	11	18	11	01	0.00	0.00	42	
SW	2	24	5	0	0	0	41	2.07
	54	1.07	22	0.00	0.00	0.00	1.83	
	02	10	02	0.00	0.00	0.00	17	
WSW	2	9	4	0	0	0	14	1.89
	94	1.74	18	0.00	0.00	0.00	2.86	
	09	16	02	0.00	0.00	0.00	26	
W	6	44	32	0	0	0	82	2.01
	1.16	1.97	1.43	0.00	0.00	0.00	3.67	
	11	18	05	0.00	0.00	0.00	34	
WNW	6	40	61	0	0	0	107	2.06
	1.16	3.13	4.49	0.00	2.00	2.00	4.78	
	11	27	04	0.00	0.00	0.00	44	
NW	5	87	13	0	0	0	129	2.08
	1.30	3.89	58	0.00	0.00	0.00	5.77	
	09	36	05	0.00	0.00	0.00	53	
NNW	4	56	36	1	0	0	97	2.53
	63	2.50	1.16	.04	0.00	0.00	4.34	
	06	23	11	00	0.00	0.00	40	
N	5	69	48	1	0	0	111	2.58
	70	2.69	1.89	.04	0.00	0.00	4.96	
	07	27	11	00	0.00	0.00	45	
CALM	4						4	CALM
	18						18	
	002						002	
TOTAL	31	1287	618	20	0	0	2237	2.54
	13.96	57.53	27.63	.89	0.00	0.00	100.00	
	1.28	5.26	2.53	08	0.00	0.00	9.15	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: THREE YEARS COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	55	378	494	311	132	30	1400	4.48
	42	1.55	2.02	1.27	.54	.12	5.73	
NE	71	409	392	145	28	3	1048	3.53
	29	1.67	1.60	.59	11	01	4.29	
ENE	64	301	384	128	26	1	914	3.65
	26	1.23	1.57	.56	11	00	3.74	
E	69	332	454	176	26	11	1065	3.81
	27	1.36	1.86	.72	11	.04	4.36	
ESE	46	381	446	199	43	24	1139	4.01
	19	1.56	1.82	.81	18	10	4.66	
SE	87	616	534	217	62	14	1531	3.68
	36	2.52	2.18	.89	26	06	6.26	
SSE	69	825	1060	472	111	35	2572	4.06
	28	3.37	4.34	1.93	45	14	10.52	
S	93	658	1446	1285	686	229	4397	5.46
	38	2.69	5.91	5.26	2.81	94	17.99	
SSW	82	338	683	822	367	186	2478	5.64
	34	1.38	2.79	3.36	1.50	.76	10.14	
SW	55	254	288	198	94	48	937	4.67
	22	1.04	1.18	.81	38	20	3.83	
WSW	75	212	168	90	44	12	601	3.78
	31	.87	.69	37	18	05	2.46	
W	78	258	266	137	43	14	796	3.87
	32	1.06	1.09	56	18	06	3.26	
WNW	67	274	302	206	58	30	937	4.31
	27	1.12	1.24	.84	24	12	3.83	
NW	73	343	347	367	187	82	1399	5.08
	30	1.40	1.42	1.50	.76	34	5.72	
NNW	59	267	407	525	284	61	1603	5.43
	24	1.09	1.66	2.15	1.16	25	6.56	
N	60	310	527	457	206	54	1614	5.01
	25	1.27	2.16	1.87	.84	22	6.60	
CALM	17						17	CALM
	07						07	
TOTAL	1117	6156	8198	5745	2398	834	24448	4.65
	4.57	25.18	33.53	23.50	9.81	3.41	100.00	

NUMBER OF VALID OBSERVATIONS 24448 92.94 PCT
NUMBER OF INVALID OBSERVATIONS 1856 7.06 PCT
TOTAL NUMBER OF OBSERVATIONS 26304 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2	7	8	14	1	0	32	4.49
	0.06	0.81	0.92	1.62	0.12	0.00	3.70	
	0.02	0.08	0.10	0.17	0.01	0.00	0.38	
NE	1	5	7	6	0	0	19	3.91
	0.12	0.58	0.81	0.69	0.00	0.00	2.20	
	0.01	0.06	0.08	0.07	0.00	0.00	0.23	
ENE	1	2	4	6	0	0	13	4.42
	0.12	0.00	0.46	0.69	0.00	0.00	1.50	
	0.01	0.00	0.05	0.07	0.00	0.00	0.15	
E	1	2	2	4	1	0	10	4.99
	0.12	0.23	0.23	0.46	0.12	0.00	1.16	
	0.01	0.02	0.02	0.04	0.01	0.00	0.12	
ESE	0	2	4	8	4	0	18	5.90
	0.00	0.23	0.46	0.92	0.46	0.00	2.09	
	0.00	0.02	0.05	0.10	0.05	0.00	0.21	
SE	0	1	4	11	3	2	21	5.99
	0.00	0.12	0.46	1.27	0.35	0.23	2.43	
	0.00	0.01	0.05	0.13	0.04	0.02	0.25	
SSE	0	2	4	7	2	0	15	5.47
	0.00	0.23	0.46	0.81	0.23	0.00	1.74	
	0.00	0.02	0.05	0.08	0.02	0.00	0.17	
S	0	3	3	9	1	0	16	5.04
	0.00	0.35	0.35	1.04	0.12	0.00	1.85	
	0.00	0.03	0.03	0.10	0.01	0.00	0.19	
SSW	0	6	9	8	3	1	27	4.78
	0.00	0.69	1.04	0.93	0.35	0.12	3.13	
	0.00	0.07	0.10	0.09	0.03	0.01	0.31	
SW	1	3	5	4	3	1	17	4.78
	0.12	0.35	0.58	0.46	0.35	0.12	1.97	
	0.01	0.04	0.06	0.05	0.04	0.01	0.20	
WSW	1	1	2	1	1	1	7	4.08
	0.12	0.12	0.23	0.12	0.12	0.12	0.81	
	0.01	0.01	0.02	0.01	0.01	0.01	0.08	
W	0	1	2	2	1	0	6	5.07
	0.00	0.12	0.23	0.23	0.12	0.00	0.70	
	0.00	0.01	0.02	0.02	0.01	0.00	0.07	
WNW	0	0	4	3	1	0	8	5.02
	0.00	0.00	0.46	0.35	0.12	0.00	0.93	
	0.00	0.00	0.05	0.04	0.01	0.00	0.09	
NW	0	0	1	1	0	0	2	5.08
	0.00	0.00	0.12	0.12	0.00	0.00	0.23	
	0.00	0.00	0.01	0.01	0.00	0.00	0.02	
NW	1	1	2	3	1	0	8	4.79
	0.12	0.12	0.23	0.35	0.12	0.00	0.93	
	0.01	0.01	0.02	0.03	0.01	0.00	0.09	
NNW	1	1	2	3	1	0	8	4.79
	0.12	0.12	0.23	0.35	0.12	0.00	0.93	
	0.01	0.01	0.02	0.03	0.01	0.00	0.09	
N	1	2	3	3	1	0	10	4.47
	0.12	0.23	0.35	0.35	0.12	0.00	1.16	
	0.01	0.02	0.03	0.03	0.01	0.00	0.12	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	9	37	64	86	27	6	229	5.04
	1.04	4.29	7.41	9.97	3.13	0.69	26.53	
	0.11	0.44	0.74	1.00	0.31	0.07	2.65	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	3	11	2	1	1	18	4.47
	0.00	0.58	2.13	0.39	0.19	0.19	3.48	
	0.00	0.04	0.15	0.02	0.01	0.01	0.23	
NE	1	1	4	0	0	0	6	3.43
	0.19	0.19	0.77	0.00	0.00	0.00	1.16	
	0.01	0.01	0.05	0.00	0.00	0.00	0.08	
ENE	0	1	3	1	0	0	5	4.22
	0.00	0.19	0.58	0.19	0.00	0.00	0.97	
	0.00	0.01	0.04	0.01	0.00	0.00	0.06	
E	1	1	2	1	0	0	5	4.28
	0.19	0.19	0.39	0.19	0.00	0.00	0.97	
	0.01	0.01	0.03	0.01	0.00	0.00	0.06	
ESE	0	2	4	3	1	0	10	4.79
	0.00	0.39	0.77	0.58	0.19	0.00	1.94	
	0.00	0.03	0.05	0.04	0.01	0.00	0.13	
SE	0	2	4	4	1	0	11	4.10
	0.00	0.39	0.77	0.77	0.19	0.00	2.13	
	0.00	0.03	0.05	0.05	0.01	0.00	0.14	
SSE	0	1	2	4	1	0	8	5.31
	0.00	0.19	0.39	0.77	0.19	0.00	1.55	
	0.00	0.01	0.03	0.05	0.01	0.00	0.10	
S	0	3	5	7	2	0	17	5.37
	0.00	0.58	0.97	1.35	0.39	0.00	3.29	
	0.00	0.04	0.06	0.09	0.03	0.00	0.22	
SSW	0	3	6	9	1	0	19	4.57
	0.00	0.58	1.16	1.74	0.19	0.00	3.68	
	0.00	0.04	0.08	0.12	0.01	0.00	0.25	
SW	0	2	4	6	1	0	13	4.23
	0.00	0.39	0.77	1.16	0.19	0.00	2.51	
	0.00	0.03	0.05	0.08	0.01	0.00	0.17	
WSW	0	1	2	3	0	0	6	4.08
	0.00	0.19	0.39	0.58	0.00	0.00	1.16	
	0.00	0.01	0.03	0.04	0.00	0.00	0.08	
W	0	1	1	2	1	0	5	4.63
	0.00	0.19	0.19	0.39	0.19	0.00	0.97	
	0.00	0.01	0.01	0.03	0.01	0.00	0.06	
WNW	1	1	1	1	0	0	4	4.06
	0.19	0.19	0.19	0.19	0.00	0.00	0.77	
	0.01	0.01	0.01	0.01	0.00	0.00	0.05	
NW	0	1	1	2	0	0	4	4.50
	0.00	0.19	0.19	0.39	0.00	0.00	0.77	
	0.00	0.01	0.01	0.03	0.00	0.00	0.05	
NW	0	1	2	3	1	0	7	5.33
	0.00	0.19	0.39	0.58	0.19	0.00	1.35	
	0.00	0.01	0.03	0.04	0.01	0.00	0.09	
NNW	0	2	3	4	1	0	10	4.69
	0.00	0.39	0.58	0.77	0.19	0.00	1.94	
	0.00	0.03	0.04	0.05	0.01	0.00	0.13	
N	0	2	4	5	1	0	12	5.43
	0.00	0.39	0.77	0.97	0.19	0.00	2.32	
	0.00	0.03	0.05	0.06	0.01	0.00	0.15	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	30	54	80	22	6	195	5.00
	0.58	5.79	10.44	15.47	4.25	1.16	37.71	
	0.04	0.39	0.70	1.04	0.28	0.08	2.53	

KEY: XX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	4	14	8	2	2	35	5.64
	0.00	0.69	2.42	1.38	1.21	0.35	6.04	
	0.00	0.05	0.17	0.10	0.08	0.02	0.42	
NE	1	9	6	5	0	0	21	3.74
	0.17	1.55	1.04	0.86	0.00	0.00	3.63	
	0.01	0.11	0.07	0.06	0.00	0.00	0.25	
ENE	0	4	6	6	0	0	16	4.45
	0.00	0.69	1.04	1.04	0.00	0.00	2.76	
	0.00	0.05	0.07	0.07	0.00	0.00	0.19	
E	0	2	2	2	0	0	6	4.82
	0.00	0.35	0.35	0.35	0.00	0.00	1.04	
	0.00	0.02	0.02	0.02	0.00	0.00	0.07	
ESE	0	3	4	0	0	0	7	4.46
	0.00	0.52	0.69	0.00	0.00	0.00	1.21	
	0.00	0.04	0.05	0.00	0.00	0.00	0.08	
SE	1	3	1	1	0	0	6	3.96
	0.17	0.52	0.17	0.17	0.00	0.00	1.04	
	0.01	0.03	0.01	0.01	0.00	0.00	0.07	
SSE	0	1	3	3	1	0	8	5.32
	0.00	0.17	0.52	0.52	0.17	0.00	1.38	
	0.00	0.01	0.04	0.04	0.01	0.00	0.09	
S	0	2	5	5	4	2	18	5.95
	0.00	0.35	0.86	0.86	0.69	0.35	3.11	
	0.00	0.02	0.06	0.06	0.05	0.02	0.21	
SSW	1	1	3	3	1	1	10	6.19
	0.17	0.17	0.52	0.52	0.17	0.17	1.73	
	0.01	0.01	0.03	0.03	0.01	0.01	0.12	
SW	1	3	1	2	1	0	8	5.97
	0.17	0.52	0.17	0.35	0.17	0.00	1.38	
	0.01	0.03	0.01	0.02	0.01	0.00	0.09	
WSW	0	0	1	1	0	0	2	4.32
	0.00	0.17	0.17	0.17	0.00	0.00	0.35	
	0.00	0.00	0.01	0.01	0.00	0.00	0.02	
W	0	1	2	1	0	0	4	4.04
	0.00	0.17	0.35	0.17	0.00	0.00	0.69	
	0.00	0.01	0.02	0.01	0.00	0.00	0.05	
WNW	0	0	1	2	0	0	3	5.03
	0.00	0.00	0.17	0.35	0.00	0.00	0.52	
	0.00	0.00	0.01	0.02	0.00	0.00	0.03	
NW	1	1	2	2	1	1	8	6.04
	0.17	0.17	0.35	0.35	0.17	0.17	1.38	
	0.01	0.01	0.02	0.02	0.01	0.01	0.09	
NNW	0	0	1	2	1	0	4	5.84
	0.00	0.00	0.17	0.35	0.17	0.00	0.69	
	0.00	0.00	0.01	0.02	0.01	0.00	0.04	
N	0	1	2	3	1	0	7	6.14
	0.00	0.17	0.35	0.52	0.17	0.00	1.21	
	0.00	0.01	0.02	0.03	0.01	0.00	0.08	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	5	32	72	193	204	73	579	5.51
	0.86	5.52	12.44	33.33	35.23	12.61	100.00	
	0.06	0.38	0.86	2.30	2.43	0.87	6.91	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	8	42	76	34	26	9	205	5.01
	0.82	4.32	7.83	3.50	2.68	0.93	21.08	
	0.10	0.50	0.91	0.41	0.31	0.11	2.45	
NE	9	34	53	26	3	1	126	3.94
	0.93	3.50	5.45	2.67	0.31	0.10	12.96	
	0.11	0.41	0.63	0.31	0.04	0.01	1.50	
ENE	36	35	21	11	4	1	98	4.52
	3.70	3.60	2.16	1.13	0.41	0.10	10.08	
	0.43	0.42	0.25	0.13	0.05	0.01	1.17	
E	32	35	27	11	1	1	107	4.00
	3.29	3.60	2.78	1.13	0.10	0.10	11.01	
	0.38	0.42	0.32	0.13	0.01	0.01	1.27	
ESE	24	39	35	24	4	1	127	4.07
	2.47	4.01	3.60	2.47	0.41	0.10	13.06	
	0.29	0.46	0.42	0.29	0.05	0.01	1.51	
SE	14	41	46	8	0	1	111	3.36
	1.44	4.22	4.73	0.82	0.00	0.10	11.42	
	0.17	0.49	0.55	0.10	0.00	0.01	1.32	
SSE	0	8	23	11	8	1	94	4.36
	0.00	0.82	2.37	1.13	0.82	0.10	5.24	
	0.00	0.10	0.27	0.13	0.10	0.01	1.12	
S	32	59	44	32	10	2	179	5.40
	3.29	6.07	4.53	3.29	1.03	0.21	18.42	
	0.38	0.70	0.52	0.38	0.12	0.02	2.13	
SSW	58	95	60	18	6	2	239	6.46
	5.97	9.78	6.17	1.85	0.62	0.21	24.61	
	0.69	1.13	0.71	0.21	0.07	0.02	2.85	
SW	37	78	44	18	4	1	182	5.03
	3.81	8.03	4.53	1.85	0.41	0.10	18.74	
	0.44	0.93	0.52	0.21	0.05	0.01	2.17	
WSW	16	39	27	8	1	0	91	4.61
	1.65	4.01	2.78	0.82	0.10	0.00	9.37	
	0.19	0.46	0.32	0.10	0.01	0.00	1.08	
W	11	17	27	18	4	2	79	4.09
	1.13	1.75	2.78	1.85	0.41	0.21	8.14	
	0.13	0.20	0.32	0.21	0.05	0.02	0.94	
WNW	2	12	14	11	4	2	45	5.45
	0.21	1.24	1.44	1.13	0.41	0.21	4.63	
	0.02	0.14	0.17	0.13	0.05	0.02	0.53	
NW	4	11	17	14	4	1	51	6.61
	0.41	1.13	1.75	1.44	0.41	0.10	5.25	
	0.05	0.13	0.20	0.17	0.05	0.01	0.61	
NNW	2	8	14	9	4	1	38	5.86
	0.21	0.82	1.44	0.93	0.41	0.10	3.92	
	0.02	0.10	0.17	0.11	0.05	0.01	0.45	
N	3	10	11	4	1	1	30	5.03
	0.31	1.03	1.13	0.41	0.10	0.10	3.09	
	0.04	0.12	0.13	0.05	0.01	0.01	0.36	
CALM	5	10	5	0	0	0	20	CALM
	0.52	1.03	0.52	0.00	0.00	0.00	2.06	
	0.06	0.12	0.06	0.00	0.00	0.00	0.24	
TOTAL	269	416	824	705	347	150	2510	5.38
	27.71	42.84	84.86	72.60	35.74	15.46	258.66	
	3.21	4.96	9.83	8.41	4.14	1.79	29.94	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3	37	61	10	0	0	61	3.44
	.013	.163	.269	.044	.000	.000	.269	
	.048	.592	.967	.159	.000	.000	.971	
NE	4	39	60	5	0	0	66	2.98
	.018	.172	.264	.022	.000	.000	.291	
	.063	.624	.960	.079	.000	.000	1.056	
ENE	2	43	57	0	0	0	57	3.57
	.009	.189	.251	.000	.000	.000	.251	
	.032	.688	.912	.000	.000	.000	.912	
E	1	48	37	18	0	0	92	4.09
	.004	.211	.163	.079	.000	.000	.406	
	.016	.768	.592	.288	.000	.000	1.472	
ESE	1	30	19	25	1	0	81	4.09
	.004	.132	.084	.110	.004	.000	.357	
	.016	.480	.304	.400	.016	.000	1.296	
SE	1	48	34	14	0	0	97	3.71
	.004	.211	.150	.062	.000	.000	.427	
	.016	.768	.544	.224	.000	.000	1.552	
SSE	1	36	69	15	0	0	121	3.70
	.004	.159	.304	.066	.000	.000	.533	
	.016	.576	1.104	.240	.000	.000	1.936	
S	2	45	59	4	0	0	134	3.70
	.009	.198	.260	.018	.000	.000	.590	
	.032	.720	.944	.064	.000	.000	2.144	
SSW	2	31	71	10	0	0	114	4.40
	.009	.136	.313	.044	.000	.000	.502	
	.032	.496	1.136	.160	.000	.000	1.824	
SW	3	69	72	8	0	0	152	4.26
	.013	.304	.317	.035	.000	.000	.669	
	.048	1.104	1.152	.128	.000	.000	2.432	
WSW	2	71	91	20	0	0	184	4.40
	.009	.313	.401	.088	.000	.000	.810	
	.032	1.136	1.456	.320	.000	.000	2.944	
W	3	69	204	205	57	0	538	5.26
	.013	.304	.898	.902	.251	.000	2.369	
	.048	1.104	3.264	3.280	.912	.000	8.608	
WNW	2	78	104	109	26	0	319	5.17
	.009	.343	.458	.480	.114	.000	1.404	
	.032	1.248	1.664	1.744	.416	.000	5.104	
NW	1	50	68	27	10	2	158	4.84
	.004	.220	.299	.119	.044	.009	.696	
	.016	.800	1.088	.432	.160	.032	2.528	
NNW	1	25	37	18	4	0	85	4.04
	.004	.110	.163	.079	.018	.000	.374	
	.016	.400	.592	.288	.064	.000	1.360	
N	1	28	37	24	4	0	94	4.33
	.004	.123	.163	.106	.018	.000	.414	
	.016	.448	.592	.384	.064	.000	1.504	
CALM	12	27	35	18	2	0	94	CALM
	.053	.119	.154	.079	.009	.000	.414	
	.192	.432	.560	.288	.032	.000	1.504	
TOTAL	40	505	791	510	112	24	2002	4.33
	.176	2.224	3.483	2.246	.493	.106	8.816	
	4.60	24.85	38.93	25.10	5.51	1.18	100.00	
	1.07	6.02	9.43	6.08	1.34	.29	24.24	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3	18	14	0	0	0	35	2.66
	.013	.079	.061	.000	.000	.000	.153	
	.048	.286	.226	.000	.000	.000	.560	
NE	7	28	18	0	0	0	53	2.55
	.031	.123	.079	.000	.000	.000	.232	
	.112	.448	.288	.000	.000	.000	.848	
ENE	8	29	16	0	0	0	53	2.60
	.035	.127	.070	.000	.000	.000	.232	
	.128	.464	.256	.000	.000	.000	.848	
E	4	28	18	0	0	0	50	2.70
	.018	.123	.079	.000	.000	.000	.219	
	.064	.448	.288	.000	.000	.000	.800	
ESE	3	34	17	6	0	0	60	3.02
	.013	.149	.074	.026	.000	.000	.263	
	.048	.544	.272	.096	.000	.000	.960	
SE	3	67	47	4	0	0	121	2.97
	.013	.293	.206	.018	.000	.000	.530	
	.048	1.072	.752	.064	.000	.000	1.936	
SSE	8	63	37	6	0	0	114	3.11
	.035	.276	.162	.026	.000	.000	.500	
	.128	1.008	.592	.096	.000	.000	1.824	
S	4	44	56	8	0	0	112	3.39
	.018	.193	.246	.035	.000	.000	.491	
	.064	.704	.896	.128	.000	.000	1.792	
SSW	2	25	100	12	0	0	139	3.44
	.009	.110	.439	.053	.000	.000	.609	
	.032	.400	1.600	.192	.000	.000	2.224	
SW	4	47	90	15	0	0	156	3.37
	.018	.206	.394	.066	.000	.000	.684	
	.064	.752	1.440	.240	.000	.000	2.496	
WSW	3	56	121	19	0	0	199	3.50
	.013	.246	.530	.083	.000	.000	.872	
	.048	.896	1.936	.304	.000	.000	3.184	
W	8	85	232	57	9	0	391	3.74
	.035	.372	1.016	.250	.039	.000	1.713	
	.128	1.360	3.712	.912	.144	.000	6.256	
WNW	3	65	108	42	6	0	224	3.91
	.013	.285	.473	.184	.026	.000	.982	
	.048	1.040	1.728	.672	.096	.000	3.584	
NW	4	57	69	9	0	0	139	3.26
	.018	.250	.302	.039	.000	.000	.609	
	.064	.912	1.104	.144	.000	.000	2.224	
NNW	2	30	37	4	0	0	73	3.08
	.009	.132	.162	.018	.000	.000	.320	
	.032	.480	.592	.064	.000	.000	1.168	
N	2	28	37	4	0	0	71	3.04
	.009	.123	.162	.018	.000	.000	.311	
	.032	.448	.592	.064	.000	.000	1.136	
CALM	16	27	25	2	0	0	70	CALM
	.070	.118	.110	.009	.000	.000	.307	
	.256	.432	.400	.032	.000	.000	1.120	
TOTAL	92	508	432	142	15	0	1075	2.95
	.403	2.224	1.892	.622	.066	.000	4.707	
	8.47	47.26	40.19	3.91	1.39	.00	100.00	
	1.09	5.06	5.15	1.70	.02	.00	12.82	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	10 1.24	56 6.95	23 2.85	0 0.00	0 0.00	0 0.00	89 11.04	2.57
NE	12 1.49	67 8.31	27 3.35	0 0.00	0 0.00	0 0.00	106 13.15	2.67
ENE	9 1.12	36 4.47	5 0.62	0 0.00	0 0.00	0 0.00	50 6.20	2.17
E	10 1.24	13 1.61	5 0.62	0 0.00	0 0.00	0 0.00	27 3.35	2.81
ESE	5 0.62	14 1.74	8 0.99	0 0.00	0 0.00	0 0.00	27 3.35	2.72
SE	6 0.74	24 2.98	14 1.74	0 0.00	0 0.00	0 0.00	44 5.46	2.78
SSE	3 0.37	17 2.11	17 2.11	0 0.00	0 0.00	0 0.00	37 4.59	2.79
S	4 0.50	50 6.20	25 3.10	0 0.00	0 0.00	0 0.00	79 9.80	2.68
SSW	8 0.99	46 5.70	40 4.96	0 0.00	0 0.00	0 0.00	94 11.66	2.85
SW	3 0.37	26 3.23	54 6.70	34 4.22	0 0.00	0 0.00	147 18.24	2.95
WSW	1 0.12	11 1.36	4 0.50	0 0.00	0 0.00	0 0.00	16 1.99	2.85
W	2 0.25	8 0.99	4 0.50	0 0.00	0 0.00	0 0.00	14 1.74	2.85
WNW	0 0.00	8 0.99	4 0.50	0 0.00	0 0.00	0 0.00	12 1.49	2.68
NW	0 0.00	1 0.12	0 0.00	0 0.00	0 0.00	0 0.00	1 0.12	1.89
NNW	0 0.00	2 0.25	0 0.00	0 0.00	0 0.00	0 0.00	2 0.25	1.78
N	0 0.00	2 0.25	0 0.00	0 0.00	0 0.00	0 0.00	2 0.25	2.01
CALM	3 0.37						3 0.37	CALM
TOTAL	103 12.78	478 59.31	216 26.80	9 1.12	0 0.00	0 0.00	806 100.00	2.56
	1.23	5.70	2.58	.11	0.00	0.00	9.61	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	26 .31	157 1.87	167 1.99	68 .81	45 .54	12 .14	475 5.67	4.17
NE	32 .38	137 1.63	127 1.51	46 .55	3 .04	01	346 4.13	3.35
ENE	18 .21	92 1.10	120 1.43	50 .60	12 .14	1 .01	293 3.49	3.83
E	21 .25	117 1.40	93 1.11	54 .64	8 .10	5 .06	298 3.55	3.76
ESE	12 .14	123 1.47	140 1.67	54 .64	11 .13	4 .05	344 4.10	3.84
SE	20 .24	195 2.33	207 2.47	60 .72	17 .20	3 .04	502 5.99	3.64
SSE	18 .21	315 3.76	402 4.79	175 2.09	49 .58	23 .27	982 11.71	4.23
S	43 .50	233 2.78	526 6.27	542 6.46	254 3.03	99 1.18	1679 20.03	5.64
SSW	26 .31	114 1.36	210 2.50	241 2.87	116 1.38	68 .81	775 9.24	5.74
SW	19 .23	80 .95	101 1.20	92 1.10	38 .45	21 .25	351 4.19	5.02
WSW	27 .32	70 .83	57 .68	29 .35	16 .19	4 .05	203 2.42	3.78
W	23 .27	80 .95	69 .82	25 .30	10 .12	0 0.00	207 2.47	3.42
WNW	16 .19	102 1.22	115 1.37	62 .74	14 .17	11 .13	320 3.82	4.16
NW	30 .36	115 1.37	137 1.63	125 1.61	70 .83	53 .63	540 6.44	5.42
NNW	23 .27	94 1.12	151 1.80	200 2.39	80 .95	21 .25	569 6.79	5.31
N	26 .31	102 1.22	169 2.02	134 1.60	48 .57	10 .12	489 5.83	4.65
CALM	11 .13						11 .13	CALM
TOTAL	373 4.45	2126 25.36	2791 33.29	1967 23.46	791 9.43	336 4.01	8384 100.00	4.70

NUMBER OF VALID OBSERVATIONS: 8384 95.71 PCT
NUMBER OF INVALID OBSERVATIONS: 376 4.29 PCT
TOTAL NUMBER OF OBSERVATIONS: 8760 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL A
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/04/81 13 19 37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2	15	35	39	7	0	98	4.89
	.13	.94	2.20	2.46	.44	0.00	6.17	
	.02	.18	.41	.46	.08	0.00	1.14	
NE	1	11	17	7	0	0	46	4.02
	.06	.69	1.07	.44	0.00	0.00	2.90	
	.01	.12	.19	.08	0.00	0.00	.54	
ENE	0	9	19	10	0	0	37	4.16
	0.00	.56	1.20	.63	0.00	0.00	2.33	
	0.00	.08	.22	.12	0.00	0.00	.43	
E	1	8	14	8	0	0	32	4.13
	.06	.50	.88	.50	0.00	0.00	2.02	
	.01	.08	.16	.09	0.00	0.00	.37	
ESE	2	4	8	5	0	0	19	4.10
	.13	.25	.50	.31	0.00	0.00	1.19	
	.02	.05	.09	.06	0.00	0.00	.22	
SE	2	11	16	11	2	0	42	4.47
	.13	.69	1.01	.69	.13	0.00	2.65	
	.02	.13	.18	.13	.02	0.00	.48	
SSE	1	9	14	10	1	0	35	4.71
	.06	.56	.88	.63	.06	0.00	2.20	
	.01	.10	.16	.11	.01	0.00	.40	
S	1	15	40	19	4	0	79	5.44
	.06	.94	2.52	1.20	.25	0.00	4.97	
	.01	.18	.46	.22	.05	0.00	.91	
SSW	1	9	37	20	5	0	72	6.28
	.06	.56	2.33	1.26	.31	0.00	4.53	
	.01	.10	.42	.23	.06	0.00	.83	
SW	1	16	67	57	21	3	165	6.82
	.06	1.01	4.22	3.59	1.32	.19	10.38	
	.01	.18	.77	.66	.24	.03	1.89	
WSW	2	18	62	107	57	31	299	6.82
	.13	1.13	3.90	6.74	3.59	1.95	18.83	
	.02	.21	.72	1.23	.67	.36	3.43	
W	1	16	76	58	18	14	183	6.10
	.06	1.01	4.78	3.65	1.13	.88	11.52	
	.01	.18	.87	.67	.21	.16	2.10	
WNW	0	9	30	46	21	16	122	6.23
	0.00	.56	1.89	2.89	1.32	1.01	7.68	
	0.00	.10	.34	.53	.24	.18	1.40	
NW	5	10	15	9	5	4	48	4.89
	.31	.63	.94	.57	.31	.25	3.02	
	.06	.11	.17	.10	.06	.05	.55	
NNW	1	8	15	11	4	3	42	4.94
	.06	.50	.94	.69	.25	.19	2.64	
	.01	.09	.17	.13	.05	.03	.48	
CALM	14						14	CALM
	.88						.88	
	.16						.16	
TOTAL	41	203	436	542	259	107	1588	5.77
	2.58	12.78	27.46	34.13	16.31	6.74	100.00	
	.48	2.37	5.09	6.33	3.03	1.25	18.55	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL B
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/04/81 13 19 37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	5	7	6	7	2	28	5.71
	.13	1.14	1.59	1.37	1.59	.46	6.38	
	.01	.06	.08	.07	.08	.02	.33	
NE	1	4	3	2	0	0	10	3.31
	.13	.91	.68	.46	0.00	0.00	2.27	
	.01	.05	.04	.02	0.00	0.00	.12	
ENE	1	4	1	4	1	0	11	4.31
	.13	.91	.23	.91	.23	0.00	2.51	
	.01	.05	.01	.05	.01	0.00	.13	
E	0	0	1	0	0	0	1	3.73
	0.00	0.00	.23	0.00	0.00	0.00	.23	
	0.00	0.00	.01	0.00	0.00	0.00	.01	
ESE	0	1	1	2	4	0	8	5.44
	0.00	.23	.23	.46	.91	0.00	1.82	
	0.00	.01	.01	.02	.05	0.00	.09	
SE	0	1	1	1	2	0	5	3.65
	0.00	.23	.23	.23	.46	0.00	1.14	
	0.00	.01	.01	.01	.02	0.00	.06	
SSE	0	1	1	0	0	0	2	3.87
	0.00	.23	.23	0.00	0.00	0.00	.46	
	0.00	.01	.01	0.00	0.00	0.00	.02	
S	0	1	1	2	4	0	8	5.45
	0.00	.23	.23	.46	.91	0.00	1.82	
	0.00	.01	.01	.02	.05	0.00	.09	
SSW	0	1	2	3	2	1	9	6.51
	0.00	.23	.46	.68	.46	.23	2.05	
	0.00	.01	.02	.03	.02	.01	.10	
SW	2	3	6	5	3	1	20	6.92
	.46	.68	1.37	1.14	.68	.23	4.56	
	.02	.03	.07	.06	.03	.01	.23	
WSW	0	0	2	1	1	0	4	5.07
	0.00	0.00	.46	.23	.23	0.00	.91	
	0.00	0.00	.02	.01	.01	0.00	.05	
W	0	1	0	2	0	0	3	6.37
	0.00	.23	0.00	.46	0.00	0.00	.68	
	0.00	.01	0.00	.02	0.00	0.00	.03	
WNW	1	1	0	1	0	0	3	4.37
	.23	.23	0.00	.23	0.00	0.00	.68	
	.01	.01	0.00	.01	0.00	0.00	.03	
NW	4	4	4	1	1	0	14	3.64
	.91	.91	.91	.23	.23	0.00	3.19	
	.04	.04	.04	.01	.01	0.00	.14	
NNW	2	1	2	2	1	0	8	6.65
	.46	.23	.46	.46	.23	0.00	1.82	
	.02	.01	.02	.02	.01	0.00	.08	
NW	0	1	2	1	2	0	6	5.54
	0.00	.23	.46	.23	.46	0.00	1.37	
	0.00	.01	.02	.01	.02	0.00	.06	
NNW	2	2	1	3	2	1	11	6.45
	.46	.46	.23	.68	.46	.23	2.51	
	.02	.02	.01	.03	.02	.01	.11	
N	1	1	4	1	1	0	8	6.68
	.23	.23	.91	.23	.23	0.00	1.82	
	.01	.01	.04	.01	.01	0.00	.08	
CALM	1	4	3	1	1	0	10	6.20
	.23	.91	.68	.23	.23	0.00	2.28	
	.01	.04	.03	.01	.01	0.00	.10	
TOTAL	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	33	72	88	146	84	36	439	5.91
	2.96	16.40	20.05	33.26	19.13	8.20	100.00	
	.19	.84	1.03	1.71	.98	.42	5.13	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL C
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	8	5	13	8	0	35	5.52
	19	1.55	97	2.52	1.55	0.00	6.60	
	01	09	06	15	09	0.00	41	
NE	1	3	4	4	1	0	28	3.57
	17	2.36	1.79	78	17	0.00	5.44	
	01	16	11	05	01	0.00	03	
ENE	0	1	8	3	0	0	16	3.56
	19	78	1.55	58	0.00	0.00	3.11	
	01	05	09	04	0.00	0.00	19	
E	1	3	9	5	1	1	29	4.62
	15	38	95	58	0.00	19	2.33	
	01	02	06	04	0.00	01	15	
ESE	0	1	4	4	1	1	12	4.82
	0.00	39	97	78	0.00	19	2.33	
	0.00	02	06	05	0.00	01	14	
SE	0	1	3	4	1	0	16	5.54
	0.00	0.00	1.36	1.55	0.00	19	3.11	
	0.00	0.00	08	09	0.00	01	19	
SSE	0	1	4	2	1	0	29	5.14
	0.00	39	1.55	2.33	1.36	0.00	5.63	
	0.00	02	08	12	06	0.00	04	
S	0	2	3	5	1	1	12	6.12
	0.00	78	1.17	1.94	39	39	4.65	
	0.00	05	07	12	02	02	09	
SSW	0	1	4	4	1	1	11	6.46
	0.00	39	1.55	1.55	39	39	4.23	
	0.00	02	09	09	02	02	07	
SW	0	3	4	4	1	1	13	5.63
	0.00	1.17	1.55	1.55	39	39	5.04	
	0.00	07	09	09	02	02	09	
WSW	1	1	3	2	1	0	9	4.51
	39	39	1.17	78	39	0.00	3.49	
	02	02	07	05	02	0.00	06	
W	0	1	2	1	1	0	5	4.01
	0.00	39	78	39	39	0.00	1.94	
	0.00	02	04	02	02	0.00	03	
WNW	0	1	2	1	1	0	5	5.77
	0.00	39	78	39	39	0.00	1.94	
	0.00	02	04	02	02	0.00	03	
NW	1	1	2	3	1	1	9	7.45
	39	39	78	1.17	39	39	3.49	
	02	02	04	07	02	02	06	
NNW	1	2	3	4	2	1	13	6.79
	39	78	1.17	1.55	78	39	5.04	
	02	04	07	09	04	02	09	
N	1	2	3	4	2	1	13	6.95
	39	78	1.17	1.55	78	39	5.04	
	02	04	07	09	04	02	09	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	16	66	118	182	101	35	519	5.92
	3.08	12.72	22.74	35.07	19.46	6.74	100.00	
	15	77	1.38	2.13	1.18	41	6.02	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL D
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	8	26	64	72	29	0	199	5.16
	34	1.10	2.70	3.03	1.22	0.00	8.39	
	02	06	15	18	07	0.00	04	
NE	4	8	44	32	4	0	92	3.96
	17	34	1.85	1.35	17	0.00	3.88	
	01	02	11	08	01	0.00	05	
ENE	5	5	19	9	3	0	41	4.18
	21	21	80	38	13	0.00	1.73	
	01	01	05	02	01	0.00	02	
E	9	5	13	4	1	0	32	4.28
	38	21	55	17	04	0.00	1.35	
	02	01	03	01	01	0.00	02	
ESE	10	5	11	5	1	0	32	5.63
	42	21	46	21	04	0.00	1.35	
	02	01	03	01	01	0.00	02	
SE	4	4	8	4	2	0	22	4.90
	17	17	34	17	08	0.00	93	
	01	01	02	01	01	0.00	01	
SSE	9	4	11	4	2	0	30	4.62
	38	17	46	17	08	0.00	1.27	
	02	01	03	01	01	0.00	02	
S	8	4	15	8	2	0	37	5.95
	34	17	63	34	08	0.00	1.56	
	02	01	04	02	01	0.00	02	
SSW	9	4	15	9	4	1	42	6.08
	38	17	63	38	17	04	1.77	
	02	01	04	02	01	01	03	
SW	7	4	8	4	1	0	24	4.51
	29	17	34	17	04	0.00	1.01	
	02	01	02	01	01	0.00	01	
WSW	8	3	5	2	1	0	19	3.98
	34	13	21	08	04	0.00	80	
	02	01	01	01	01	0.00	01	
W	9	5	11	4	1	1	31	5.35
	38	21	46	17	04	04	1.30	
	02	01	03	01	01	01	02	
WNW	7	4	9	3	1	1	25	5.64
	29	17	38	13	04	04	1.05	
	02	01	02	01	01	01	02	
NW	9	5	10	4	2	1	31	5.85
	38	21	42	17	08	04	1.30	
	02	01	03	01	01	01	02	
NNW	14	6	15	7	3	1	46	6.27
	59	25	63	29	13	04	1.93	
	03	01	03	02	01	01	03	
N	17	8	19	8	3	1	56	5.75
	71	34	80	34	13	04	2.35	
	04	02	04	02	01	01	03	
CALM	19	0	0	0	0	0	19	CALM
	80	0.00	0.00	0.00	0.00	0.00	80	
	04	0.00	0.00	0.00	0.00	0.00	04	
TOTAL	165	335	722	748	368	102	2390	5.40
	6.90	14.02	30.21	31.30	15.40	4.27	100.00	
	1.14	3.91	8.44	8.74	4.30	1.19	27.73	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 13:19:37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	5	20	21	8	0	1	55	3.64
	.28	1.11	1.17	.45	0.00	.06	3.06	
	.06	.23	.25	.09	0.00	.01	.64	
NE	2	13	10	3	0	0	28	2.89
	.11	.73	.56	.17	0.00	0.00	1.56	
	.03	.16	.11	.03	0.00	0.00	.33	
ENE	4	29	24	9	2	0	69	3.48
	.22	1.61	1.34	.50	.11	0.00	3.84	
	.05	.34	.28	.10	.02	0.00	.81	
E	3	18	29	17	1	1	79	4.06
	.17	1.00	1.62	.95	.06	.06	4.40	
	.04	.19	.34	.20	.01	.01	.92	
ESE	6	19	39	34	6	0	102	4.56
	.33	1.06	2.17	1.89	.33	0.00	5.68	
	.07	.22	.46	.40	.07	0.00	1.19	
SE	2	8	20	17	4	1	52	3.97
	.11	.45	1.12	.95	.22	.06	2.90	
	.03	.09	.23	.20	.05	.01	.61	
SSE	6	6	14	8	5	1	40	4.31
	.33	.33	.78	.45	.28	.06	2.23	
	.07	.07	.16	.09	.06	.01	.47	
S	11	13	19	11	5	1	60	4.91
	.61	.73	1.06	.61	.28	.06	3.35	
	.13	.15	.22	.13	.06	.01	.70	
SSW	7	14	8	11	4	1	45	4.81
	.39	.79	.45	.61	.22	.06	2.52	
	.08	.16	.09	.13	.05	.01	.53	
SW	5	21	17	6	1	0	50	3.47
	.28	1.17	.95	.34	.06	0.00	2.80	
	.06	.25	.20	.07	.01	0.00	.59	
WSW	3	10	14	9	1	0	37	3.98
	.17	.56	.78	.50	.06	0.00	2.07	
	.04	.12	.16	.11	.01	0.00	.43	
W	2	7	10	8	2	0	29	3.58
	.11	.39	.56	.45	.11	0.00	1.62	
	.02	.08	.12	.09	.02	0.00	.34	
WNW	2	7	7	6	2	0	24	3.69
	.11	.39	.39	.34	.11	0.00	1.34	
	.02	.08	.08	.07	.02	0.00	.28	
NW	4	10	10	14	0	0	38	3.87
	.22	.56	.56	.78	0.00	0.00	2.13	
	.05	.12	.12	.16	0.00	0.00	.44	
NNW	2	8	6	1	1	0	18	4.04
	.11	.45	.34	.06	.06	0.00	1.01	
	.02	.09	.07	.01	.01	0.00	.21	
N	3	10	6	1	0	0	20	4.34
	.17	.56	.34	.06	0.00	0.00	1.12	
	.04	.12	.07	.01	0.00	0.00	.23	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	98	461	708	456	84	10	1797	4.24
	4.34	25.65	39.40	25.38	4.67	.56	100.00	
	.91	5.39	8.27	5.33	.98	.12	21.00	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 13:19:37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	20	25	1	0	0	47	3.07
	.09	1.80	2.25	.09	0.00	0.00	4.23	
	.01	.20	.24	.01	0.00	0.00	.45	
NE	6	26	8	0	1	0	41	2.61
	.52	2.34	.69	0.00	.09	0.00	3.63	
	.07	.27	.09	0.00	.01	0.00	.48	
ENE	4	17	9	0	1	0	31	2.95
	.34	1.46	.77	0.00	.09	0.00	2.70	
	.05	.20	.09	0.00	.01	0.00	.36	
E	3	20	25	7	0	0	55	3.32
	.26	1.72	2.15	.60	0.00	0.00	4.74	
	.04	.23	.29	.08	0.00	0.00	.64	
ESE	3	23	41	8	2	0	77	3.36
	.26	1.98	3.53	.69	.17	0.00	6.63	
	.03	.27	.48	.09	.02	0.00	.90	
SE	3	23	29	7	0	0	62	3.07
	.26	1.98	2.49	.60	0.00	0.00	5.34	
	.04	.27	.34	.08	0.00	0.00	.72	
SSE	5	42	30	8	0	0	85	3.21
	.43	3.62	2.58	.69	0.00	0.00	7.32	
	.06	.49	.35	.09	0.00	0.00	.99	
S	8	53	35	9	0	0	105	3.39
	.69	4.56	3.01	.77	0.00	0.00	9.04	
	.09	.62	.41	.10	0.00	0.00	1.22	
SSW	8	27	18	11	0	0	64	3.18
	.69	2.32	1.55	.95	0.00	0.00	5.51	
	.09	.31	.21	.13	0.00	0.00	.74	
SW	3	18	20	4	1	0	46	2.79
	.26	1.55	1.72	.34	.09	0.00	3.96	
	.03	.21	.23	.05	.01	0.00	.53	
WSW	5	10	8	0	0	0	23	2.41
	.43	.86	.69	0.00	0.00	0.00	1.98	
	.06	.12	.09	0.00	0.00	0.00	.27	
W	2	11	9	2	0	0	24	2.77
	.17	.95	.77	.17	0.00	0.00	2.06	
	.02	.13	.10	.02	0.00	0.00	.28	
WNW	5	15	17	5	0	0	42	3.06
	.43	1.29	1.46	.43	0.00	0.00	3.62	
	.06	.17	.20	.06	0.00	0.00	.48	
NW	5	15	14	5	0	0	39	2.65
	.43	1.29	1.21	.43	0.00	0.00	3.36	
	.06	.17	.16	.06	0.00	0.00	.45	
NNW	3	6	11	4	0	0	24	2.78
	.26	.52	.95	.34	0.00	0.00	2.07	
	.03	.07	.13	.05	0.00	0.00	.28	
N	3	10	13	5	0	0	31	3.14
	.26	.86	1.12	.43	0.00	0.00	2.67	
	.03	.12	.15	.06	0.00	0.00	.36	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	69	317	323	81	1	0	1161	3.10
	5.94	44.57	45.05	4.39	.09	0.00	100.00	
	.81	6.04	6.11	.80	.01	0.00	13.56	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 .59 .05	21 3.06 .25	19 2.77 .22	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	44 6.41 .51	2.95
NE	4 .58 .05	21 3.08 .25	6 .87 .07	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	31 4.52 .36	2.55
ENE	3 .44 .04	18 2.62 .21	19 2.77 .22	5 .44 .04	0 0.00 0.00	0 0.00 0.00	45 6.27 .50	3.15
E	4 .58 .05	21 2.90 .24	7 .99 .08	1 .15 .01	0 0.00 0.00	0 0.00 0.00	33 7.40 .60	3.03
ESE	1 .15 .01	4 .54 .04	1 .11 .01	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 .86 .06	2.65
SE	2 .29 .02	5 .72 .05	2 .29 .02	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9 1.29 .09	2.84
SSE	7 .97 .07	8.31 .67	5.69 .46	1 .15 .01	0 0.00 0.00	0 0.00 0.00	15.01 1.20 .10	2.80
S	5 .73 .06	8 .73 .06	5 .98 .08	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	15.45 1.24 .10	2.76
SSW	5 .73 .09	3 .94 .02	4 .68 .03	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 1.75 .70	2.44
SW	1 1.02 .09	2 .56 .19	1 1.31 .11	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 .59 .37	2.25
WSW	0 .29 .04	4 .58 .08	2 .29 .04	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 1.17 .09	2.13
W	4 .58 .05	9 1.35 .14	3 .44 .04	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	19 2.77 .22	2.39
WNW	1 .15 .01	9 1.31 .10	5 .73 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	15 2.19 .17	1.97
NW	8 1.17 .09	11 1.60 .13	3 .44 .04	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	22 3.21 .26	2.34
NNW	7 1.02 .08	3.61 .46	1.02 .08	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5.10 .41	2.53
N	8 1.17 .09	21 3.06 .25	9 1.31 .11	1 .15 .01	0 0.00 0.00	0 0.00 0.00	39 5.69 .46	2.97
CALM	5 .73 .06	17 2.48 .20	19 2.77 .22	1 .15 .01	0 0.00 0.00	0 0.00 0.00	42 6.14 .49	CALM
	0 0.00 0.00						0 0.00 0.00	
TOTAL	74 10.79 .85	359 52.33 4.19	246 35.86 2.87	7 1.02 .08	0 0.00 0.00	0 0.00 0.00	686 100.00 8.01	2.73

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1974 THROUGH MAY 31, 1975

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	22 .26	115 1.34	176 2.06	139 1.62	51 .60	3 .04	506 5.91	4.61
NE	25 .29	132 1.55	118 1.38	42 .49	2 .02	0 0.00	320 3.74	3.37
ENE	22 .26	92 1.07	137 1.60	48 .56	6 .07	0 0.00	305 3.56	3.68
E	24 .28	96 1.12	181 2.11	57 .67	10 .12	5 .06	373 4.36	3.92
ESE	13 .15	119 1.39	154 1.80	101 1.18	25 .29	17 .20	429 5.01	4.53
SE	31 .36	211 2.47	196 2.29	104 1.22	14 .16	8 .09	564 6.59	3.82
SSE	25 .29	278 3.25	363 4.24	198 2.31	41 .48	8 .09	913 10.67	4.14
S	33 .39	207 2.42	460 5.37	413 4.83	216 2.52	50 .58	1379 16.11	5.34
SSW	31 .36	135 1.58	250 2.92	273 3.19	144 1.68	76 .89	909 10.62	5.65
SW	18 .21	100 1.17	103 1.20	51 .60	31 .36	22 .26	325 3.80	4.54
WSW	26 .30	61 .71	55 .64	25 .29	12 .15	8 .09	198 2.31	4.00
W	22 .26	91 1.06	90 1.05	54 .63	12 .14	14 .16	283 3.31	4.19
WNW	27 .32	81 .95	112 1.31	85 .99	31 .36	19 .22	355 4.15	4.93
NW	24 .28	104 1.22	130 1.52	169 1.97	80 .93	20 .23	530 6.19	5.27
NNW	21 .25	95 1.11	123 1.44	186 2.17	137 1.60	23 .27	585 6.83	5.72
N	19 .22	95 1.11	193 2.25	177 2.07	81 .95	17 .20	582 6.80	5.20
CALM	3 .04						3 .04	CALM
TOTAL	386 4.51	2013 23.52	2841 33.19	2132 24.91	897 10.48	290 3.39	8559 100.00	4.76

NUMBER OF VALID OBSERVATIONS: 8559 — 97.71 PCT
NUMBER OF INVALID OBSERVATIONS: 201 — 2.29 PCT
TOTAL NUMBER OF OBSERVATIONS: 8760 — 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 14:25:25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	2 .55	4 1.30	9 2.92	6 1.95	0 0.00	21 6.82	6.21
NE	0 0.00	2 .55	4 1.30	12 3.90	8 2.60	0 0.00	28 9.09	6.80
ENE	0 0.00	1 .32	2 .65	6 1.95	1 .32	0 0.00	10 3.25	0.00
E	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	5.66
ESE	0 0.00	0 0.00	1 .32	3 .97	0 0.00	0 0.00	4 1.30	4.52
SE	0 0.00	0 0.00	1 .32	0 0.00	0 0.00	0 0.00	1 .32	4.48
SSE	0 0.00	0 0.00	2 .65	1 .32	0 0.00	0 0.00	3 .97	4.07
S	0 0.00	1 .32	1 .32	0 0.00	0 0.00	0 0.00	2 .65	5.85
SSW	0 0.00	1 .32	4 1.30	4 1.30	3 .97	0 0.00	12 3.90	6.14
SW	1 .32	1 .32	2 .65	15 4.87	3 .97	0 0.00	22 7.14	4.82
WSW	2 .65	0 0.00	1 .32	0 0.00	0 0.00	0 0.00	3 .97	2.33
W	1 .32	1 .32	1 .32	0 0.00	0 0.00	0 0.00	1 .98	3.41
WNW	0 0.00	1 .32	2 .65	0 0.00	0 0.00	0 0.00	3 .98	6.17
NW	0 0.00	1 .32	1 .32	1 .32	0 0.00	0 0.00	3 .98	7.60
NNW	0 0.00	1 .32	0 0.00	0 0.00	0 0.00	1 .32	1 .32	6.35
N	0 0.00	1 .32	3 .97	2 .65	5 1.62	2 .65	13 4.22	7.07
CALM	2 .65	3 .97	1 .32	6 1.95	4 1.30	3 .97	17 5.52	CALM
TOTAL	0 0.00 1.62 .07	27 8.77 .36	77 25.00 1.03	118 38.31 1.57	69 22.40 .92	12 3.90 .16	308 100.00 4.10	5.97

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 14:42:25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	2 .67	6 2.01	6 2.01	4 1.34	1 .34	19 6.38	5.82
NE	0 0.00	1 .33	3 1.01	2 .67	1 .34	0 0.00	7 2.35	4.62
ENE	0 0.00	1 .34	9 3.02	2 .67	1 .34	0 0.00	13 4.36	4.20
E	0 0.00	2 .67	3 1.01	2 .67	0 0.00	0 0.00	7 2.35	5.90
ESE	0 0.00	0 0.00	1 .34	1 .34	1 .34	0 0.00	3 1.01	4.39
SE	0 0.00	0 0.00	1 .34	1 .34	1 .34	0 0.00	3 1.01	5.61
SSE	0 0.00	1 .34	1 .34	2 .67	0 0.00	0 0.00	4 1.34	4.82
S	0 0.00	0 0.00	2 .67	1 .34	1 .34	0 0.00	4 1.34	5.89
SSW	1 .34	1 .34	2 .67	1 .34	1 .34	0 0.00	6 2.01	5.85
SW	0 0.00	2 .67	4 1.34	10 3.36	3 1.01	0 0.00	19 6.38	5.96
WSW	0 0.00	2 .67	1 .34	2 .67	2 .67	0 0.00	7 2.35	4.64
W	0 0.00	2 .67	1 .34	0 0.00	1 .34	0 0.00	4 1.34	4.09
WNW	0 0.00	1 .34	3 1.01	1 .34	1 .34	0 0.00	6 2.01	4.60
NW	0 0.00	1 .34	1 .34	1 .34	0 0.00	0 0.00	3 1.01	5.48
NNW	0 0.00	1 .34	1 .34	1 .34	1 .34	0 0.00	4 1.34	6.28
N	0 0.00	0 0.00	1 .34	1 .34	1 .34	1 .34	4 1.34	4.88
CALM	0 0.00	1 .34	3 1.01	2 .67	1 .34	1 .34	8 2.68	CALM
TOTAL	1 .34	37 12.42	103 34.56	96 32.21	59 19.79	5 1.68	298 100.00	5.45

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 14 42 25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.000 0.000	2 .500 .033	6 1.51 .08	5 1.26 .07	6 1.51 .08	0 0.00 0.00	19 4.77 .25	5.89
NE	0 0.000 0.000	0 0.00 0.00	4 1.01 .05	4 1.01 .05	1 .25 .01	0 0.00 0.00	9 2.26 .12	5.27
ENE	0 0.000 0.000	2 .500 .033	2 .50 .03	5 1.26 .07	0 0.00 0.00	0 0.00 0.00	9 2.26 .12	5.18
E	2 .500 .033	1 .25 .01	7 1.76 .09	2 .50 .03	0 0.00 0.00	0 0.00 0.00	12 3.02 .16	3.94
ESE	0 0.000 0.000	0 0.00 0.00	1 .25 .01	1 .25 .01	0 0.00 0.00	0 0.00 0.00	2 .50 .03	4.27
SE	0 0.000 0.000	0 0.00 0.00	2 .50 .03	1 .25 .01	0 0.00 0.00	0 0.00 0.00	3 .76 .04	5.18
SSE	0 0.000 0.000	0 0.00 0.00	1 .25 .01	3 .76 .04	0 0.00 0.00	0 0.00 0.00	4 1.01 .05	4.42
S	0 0.000 0.000	1 .25 .01	7 1.76 .09	8 2.01 .11	7 1.76 .09	1 .25 .01	24 6.03 .32	5.81
SSW	0 0.000 0.000	0 0.00 0.00	6 1.51 .08	6 1.51 .08	3 .75 .04	2 .50 .03	17 4.27 .23	6.03
SW	0 0.000 0.000	1 .25 .01	3 .75 .04	9 2.26 .12	3 .75 .04	1 .25 .01	17 4.27 .23	4.75
WSW	0 0.000 0.000	1 .25 .01	2 .50 .03	1 .25 .01	0 0.00 0.00	0 0.00 0.00	4 1.01 .05	3.91
W	0 0.000 0.000	1 .25 .01	2 .50 .03	1 .25 .01	0 0.00 0.00	0 0.00 0.00	4 1.01 .05	4.63
WNW	0 0.000 0.000	1 .25 .01	3 .75 .04	1 .25 .01	0 0.00 0.00	0 0.00 0.00	5 1.26 .07	4.75
NW	0 0.000 0.000	1 .25 .01	2 .50 .03	1 .25 .01	0 0.00 0.00	0 0.00 0.00	4 1.01 .05	3.91
NNW	0 0.000 0.000	1 .25 .01	1 .25 .01	2 .50 .03	0 0.00 0.00	0 0.00 0.00	4 1.01 .05	6.08
N	0 0.000 0.000	0 0.00 0.00	2 .50 .03	1 .25 .01	1 .25 .01	0 0.00 0.00	4 1.01 .05	5.25
CALM	0 0.000 0.000						0 0.00 0.00	CALM
TOTAL	4 1.01 .05	50 12.56 .67	135 33.92 1.80	137 34.42 1.83	61 15.33 .81	11 2.76 .15	398 100.00 5.30	5.42

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 14 42 25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .07 .03	31 1.17 .41	66 2.45 .88	62 2.30 .83	14 .52 .19	8 .30 .11	183 6.80 2.44	5.02
NE	3 .11 .04	46 1.71 .61	80 2.97 1.07	60 1.60 .57	15 .56 .20	9 .97 .03	189 7.02 2.53	4.38
ENE	2 .07 .03	37 1.37 .49	68 2.53 .91	28 1.08 .39	7 .26 .09	0 0.00 0.00	150 5.57 2.00	3.97
E	6 .22 .08	28 1.04 .37	74 2.75 .99	32 1.19 .43	3 .11 .04	0 0.00 0.00	143 5.31 1.91	4.02
ESE	2 .07 .03	28 1.08 .38	51 1.89 .68	28 1.04 .38	5 .19 .07	2 .07 .03	117 4.34 1.56	4.42
SE	3 .11 .04	23 .85 .31	50 1.86 .67	20 .74 .27	4 .15 .05	2 .07 .03	102 3.79 1.37	4.76
SSE	1 .04 .01	28 1.04 .38	57 2.12 .76	27 1.00 .36	4 .15 .05	2 .07 .03	119 4.42 1.59	4.71
S	8 .30 .11	43 1.60 .57	79 2.93 1.05	39 1.45 .52	8 .30 .11	1 .04 .01	178 6.61 2.38	4.59
SSW	4 .15 .05	31 1.15 .41	71 2.64 .95	30 1.11 .40	13 .48 .17	3 .11 .04	152 5.64 2.03	5.92
SW	6 .22 .08	24 .89 .32	38 1.41 .51	25 .93 .33	4 .15 .05	1 .04 .01	108 4.01 1.44	6.00
WSW	3 .11 .04	16 .59 .21	16 .59 .21	9 .33 .12	2 .07 .03	0 0.00 0.00	46 1.71 .61	4.70
W	7 .26 .09	25 .93 .33	12 .45 .16	3 .11 .04	1 .04 .01	0 0.00 0.00	48 1.78 .64	4.51
WNW	3 .11 .04	16 .59 .21	25 .93 .33	10 .37 .13	2 .07 .03	0 0.00 0.00	56 2.08 .75	4.74
NW	3 .11 .04	25 .93 .33	43 1.60 .57	27 1.00 .36	6 .22 .08	0 0.00 0.00	127 4.72 1.69	5.05
NNW	3 .11 .04	14 .52 .19	22 .82 .29	10 .37 .13	2 .07 .03	0 0.00 0.00	51 1.89 .68	5.73
N	3 .11 .04	15 .56 .20	23 .85 .31	11 .41 .15	6 .22 .08	0 0.00 0.00	108 4.01 1.44	6.15
CALM	2 .07 .03	10 .37 .13	7 .26 .09	2 .07 .03	0 0.00 0.00	0 0.00 0.00	21 .78 .28	CALM
TOTAL	71 2.64 .95	424 15.74 5.65	949 35.24 12.64	777 28.85 10.35	164 13.52 4.85	108 4.01 1.44	2693 100.00 35.88	5.18

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2	16	27	1	0	0	45	5.05
	0.04	0.59	1.00	0.04	0.00	0.00	1.67	
	0.00	0.04	0.06	0.00	0.00	0.00	0.11	
NE	3	15	19	2	0	0	39	3.21
	0.11	0.55	0.70	0.07	0.00	0.00	1.44	
	0.00	0.04	0.05	0.00	0.00	0.00	0.09	
ENE	15	1.80	1.44	25	0.00	0.00	2.71	3.13
	0.41	0.49	0.39	0.07	0.00	0.00	1.00	
	0.02	0.04	0.03	0.00	0.00	0.00	0.09	
E	8	1.79	1.48	26	4	1	113	4.14
	0.30	0.66	0.55	0.96	0.15	0.04	4.17	
	0.01	0.04	0.03	0.05	0.00	0.00	0.14	
ESE	7	1.44	2.38	1.09	20	5	5.60	3.76
	0.26	0.53	0.88	0.40	0.74	0.18	2.07	
	0.01	0.03	0.05	0.02	0.00	0.00	0.11	
SE	13	1.88	2.64	1.00	0.00	0.00	4.74	4.08
	0.48	0.69	0.97	0.37	0.00	0.00	1.75	
	0.02	0.04	0.05	0.02	0.00	0.00	0.09	
SSE	7	2.23	2.08	1.09	59	5	6.39	4.02
	0.26	0.82	0.77	0.40	0.22	0.18	2.36	
	0.01	0.04	0.04	0.02	0.00	0.00	0.12	
S	13	2.55	5.49	2.88	15	0.00	10.00	5.93
	0.48	0.94	2.03	1.06	0.56	0.00	3.69	
	0.02	0.05	0.10	0.05	0.00	0.00	0.19	
SSW	11	3.71	9.36	8.66	4.31	2.38	28.08	5.71
	0.41	1.37	3.46	3.21	1.59	0.88	10.37	
	0.02	0.07	0.18	0.16	0.08	0.04	0.54	
SW	5	1.00	2.82	4.61	1.10	64	7.55	5.52
	0.18	0.37	1.04	1.70	0.41	0.24	2.79	
	0.01	0.02	0.05	0.09	0.02	0.01	0.15	
WSW	1	1.04	4.61	3.47	1.59	14	10.65	5.52
	0.04	0.38	1.70	1.28	0.59	0.05	3.94	
	0.00	0.02	0.09	0.07	0.03	0.00	0.20	
W	4	1.08	1.93	93	35	19	86	4.91
	0.15	0.40	0.71	0.34	0.13	0.07	1.78	
	0.01	0.02	0.04	0.02	0.01	0.00	0.09	
WNW	3	1.09	1.69	14	1	1	29	4.01
	0.11	0.40	0.62	0.26	0.04	0.04	1.07	
	0.01	0.02	0.03	0.01	0.00	0.00	0.06	
NW	2	55	1.09	69	05	05	2.90	3.76
	0.07	0.20	0.40	0.26	0.02	0.02	1.07	
	0.00	0.01	0.02	0.01	0.00	0.00	0.04	
NNW	1	55	49	19	01	0	40	3.76
	0.04	0.20	0.18	0.07	0.00	0.00	1.48	
	0.00	0.01	0.01	0.00	0.00	0.00	0.02	
	0	1.16	60	15	0	0	53	3.68
	0.00	0.43	0.22	0.06	0.00	0.00	1.96	
	0.00	0.02	0.01	0.00	0.00	0.00	0.02	
	2	84	89	50	05	0.00	2.48	3.87
	0.07	0.31	0.33	0.19	0.02	0.00	0.92	
	0.00	0.01	0.01	0.01	0.00	0.00	0.02	
	1	74	1.01	69	05	0.00	2.67	
	0.04	0.27	0.37	0.26	0.02	0.00	0.99	
	0.00	0.01	0.01	0.01	0.00	0.00	0.02	
NW	1	20	88	19	01	0	72	4.06
	0.04	0.74	0.33	0.07	0.00	0.00	2.67	
	0.00	0.01	0.01	0.00	0.00	0.00	0.02	
NNW	1	76	1.04	54	20	0.00	2.97	4.60
	0.04	0.28	0.39	0.20	0.07	0.00	0.99	
	0.00	0.02	0.01	0.01	0.00	0.00	0.02	
N	1	84	1.88	1.93	30	0.00	5.10	4.30
	0.04	0.31	0.70	0.71	0.11	0.00	1.89	
	0.00	0.02	0.04	0.04	0.00	0.00	0.11	
	05	1.19	1.68	884	35	0.00	4.11	
	0.19	0.44	0.62	0.33	0.13	0.00	1.52	
	0.01	0.02	0.03	0.02	0.01	0.00	0.09	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	54	449	793	491	160	72	2019	4.66
	2.67	22.24	39.28	24.32	7.92	3.57	100.00	
	72	5.98	10.57	6.54	2.13	96	26.90	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2	29	17	0	0	0	48	2.74
	0.19	2.78	1.63	0.00	0.00	0.00	4.60	
	0.03	0.38	0.23	0.00	0.00	0.00	0.64	
NE	3	22	6	0	0	0	31	2.37
	0.29	2.11	57	0.00	0.00	0.00	2.97	
	0.04	0.29	08	0.00	0.00	0.00	0.41	
ENE	4	33	1.04	0	0	0	41	2.55
	0.38	3.16	1.00	0.00	0.00	0.00	5.56	
	0.05	0.44	0.24	0.00	0.00	0.00	0.55	
E	5	26	24	1	0	0	56	2.94
	0.48	2.49	2.30	10	0.00	0.00	5.36	
	0.07	0.35	0.32	01	0.00	0.00	0.75	
ESE	13	16	2.59	0.00	0.00	0.00	6.99	2.61
	1.25	1.53	2.49	0.00	0.00	0.00	9.28	
	0.17	0.21	0.34	0.00	0.00	0.00	0.13	
SE	10	83	14	1	0	0	108	2.28
	0.96	7.95	1.34	10	0.00	0.00	10.34	
	0.13	1.11	0.19	0.01	0.00	0.00	1.44	
SSE	7	10	5.59	19	0.00	0.00	16.77	2.78
	0.67	1.40	0.77	03	0.00	0.00	2.31	
	0.09	0.13	0.07	0.00	0.00	0.00	0.29	
S	11	4.98	5.84	0.38	0.00	0.00	11.88	3.08
	0.41	0.77	0.82	0.05	0.00	0.00	1.65	
	0.05	0.10	0.11	0.01	0.00	0.00	0.26	
SSW	4	1.63	2.49	86	0.00	0.00	5.79	3.49
	0.38	1.53	0.35	12	0.00	0.00	2.26	
	0.05	0.21	0.04	0.01	0.00	0.00	0.29	
SW	3	1.13	86	0.00	0.00	0.00	2.49	2.60
	0.38	1.45	1.10	0.00	0.00	0.00	3.19	
	0.04	0.16	0.12	0.00	0.00	0.00	0.35	
WSW	3	1.07	1.15	0.00	0.00	0.00	4.60	2.57
	0.38	1.37	1.47	0.00	0.00	0.00	5.92	
	0.04	0.15	0.16	0.00	0.00	0.00	0.64	
W	2	1.01	1.39	59	0.00	0.00	4.01	2.68
	0.25	1.30	1.78	0.76	0.00	0.00	5.11	
	0.03	0.14	0.19	0.08	0.00	0.00	0.44	
WNW	4	1.08	1.74	03	0.00	0.00	4.46	2.60
	0.51	1.37	2.22	0.04	0.00	0.00	5.74	
	0.06	0.15	0.24	0.00	0.00	0.00	0.61	
NW	3	2.08	1.34	0.00	0.00	0.00	4.41	2.66
	0.38	2.69	1.72	0.00	0.00	0.00	5.70	
	0.05	0.37	0.24	0.00	0.00	0.00	0.77	
NNW	4	2.31	2.50	0.00	0.00	0.00	6.80	2.89
	0.51	2.95	3.20	0.00	0.00	0.00	8.66	
	0.06	0.41	0.44	0.00	0.00	0.00	0.91	
N	3	1.82	1.44	19	0.00	0.00	3.83	2.91
	0.38	2.33	1.85	0.24	0.00	0.00	4.80	
	0.05	0.31	0.24	0.03	0.00	0.00	0.63	
	2	1.05	1.39	0.00	0.00	0.00	4.43	
	0.25	1.34	1.78	0.00	0.00	0.00	5.68	
	0.03	0.18	0.24	0.00	0.00	0.00	0.75	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	98	380	353	2.32	0.00	0.00	1044	2.74
	9.48	36.78	33.85	2.20	0.00	0.00	100.00	
	1.17	4.53	4.20	0.31	0.00	0.00	13.91	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-29

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (10 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	28 3.76 .37	15 2.01 .20	1 .13 .01	0 0.00 0.00	0 0.00 0.00	44 5.91 .59	2.93
NE	5 .67 .07	30 4.03 .40	18 2.42 .24	1 .13 .01	0 0.00 0.00	0 0.00 0.00	54 7.25 .72	2.69
ENE	6 .81 .08	8 1.07 .11	8 1.07 .11	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	22 2.95 .29	2.31
E	4 .40 .04	4 .40 .04	3 .30 .03	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 .80 .08	2.81
ESE	3 .40 .04	44 5.91 .59	12 1.61 .16	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	59 7.92 .79	2.42
SE	2 .27 .03	78 7.78 .77	11 1.07 .11	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	92 11.01 1.09	2.10
SSE	12 1.61 .12	48 6.44 .48	17 2.28 .17	2 .27 .02	0 0.00 0.00	0 0.00 0.00	79 10.60 .79	2.45
S	16 2.15 .16	64 5.91 .64	33 4.43 .33	3 .40 .03	0 0.00 0.00	0 0.00 0.00	116 15.57 1.16	2.44
SSW	2 .27 .02	53 7.11 .53	20 2.68 .20	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	75 10.07 1.00	2.65
SW	13 1.74 .13	9 1.21 .09	9 1.21 .12	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	29 3.89 .29	2.18
WSW	4 .54 .05	8 1.07 .11	3 .40 .04	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	15 2.01 .20	1.80
W	9 1.21 .09	10 1.34 .13	1 .13 .01	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	20 2.68 .20	1.83
WNW	14 1.88 .14	13 1.88 .14	4 .54 .04	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	31 4.16 .31	1.96
NW	13 1.74 .13	19 4.16 .41	5 .67 .04	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	47 6.31 .60	2.02
NNW	12 1.61 .16	40 5.37 .50	2 .27 .03	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	54 7.25 .72	2.47
N	4 .54 .05	18 2.42 .24	8 1.07 .11	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	30 4.03 .40	2.31
CALM	5 .67 .07	30 4.03 .40	3 .40 .04	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	38 5.10 .51	CALM
	1 .13 .01						1 .13 .01	
TOTAL	135 18.12 1.80	450 60.40 6.00	156 20.94 2.08	4 .54 .05	0 0.00 0.00	0 0.00 0.00	745 100.00 9.93	2.34

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	7 .09	106 1.41	151 2.01	104 1.39	36 .48	15 .20	419 5.58	4.68
NE	14 .19	139 1.85	147 1.96	57 .76	23 .31	2 .03	382 5.09	3.83
ENE	24 .32	117 1.56	127 1.69	40 .53	8 .11	0 0.00	316 4.21	3.45
E	21 .28	119 1.59	180 2.40	65 .87	8 .11	1 .01	394 5.25	3.74
ESE	21 .28	139 1.85	152 2.03	44 .59	7 .09	3 .04	366 4.88	3.56
SE	36 .48	210 2.80	131 1.75	53 .71	32 .43	3 .04	465 6.20	3.55
SSE	26 .35	232 3.09	295 3.93	99 1.32	21 .28	4 .05	677 9.02	3.71
S	35 .47	218 2.90	460 6.13	330 4.40	216 2.88	80 1.07	1339 17.84	5.36
SSW	25 .33	89 1.19	223 2.97	308 4.10	107 1.43	42 .56	794 10.58	5.55
SW	18 .24	74 .99	84 1.12	55 .73	25 .33	5 .07	261 3.48	4.35
WSW	22 .29	81 1.08	56 .75	26 .35	15 .20	0 0.00	200 2.66	3.57
W	33 .44	87 1.16	107 1.43	58 .77	21 .28	2 0.00	306 4.08	3.88
WNW	24 .32	91 1.21	75 1.00	59 .79	13 .17	0 0.00	262 3.49	3.78
NW	19 .25	124 1.65	80 1.07	63 .84	34 .45	9 .12	329 4.38	4.21
NNW	15 .20	78 1.04	133 1.77	139 1.85	67 .89	17 .23	449 5.98	5.21
N	15 .20	113 1.51	165 2.20	146 1.95	77 1.03	27 .36	543 7.24	5.13
CALM	3 .04						3 .04	CALM
TOTAL	359 4.77	2017 26.88	2566 34.19	1648 21.93	710 9.46	208 2.77	7505 100.00	4.47

NUMBER OF VALID OBSERVATIONS: 7505 85.44 PCT
NUMBER OF INVALID OBSERVATIONS: 1279 14.56 PCT
TOTAL NUMBER OF OBSERVATIONS: 8784 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

Rev. 8
2/82

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL A
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3	7	23	52	28	8	141	6.19
	11	09	1.50	2.56	1.05	.79	5.14	
	.01	.01	.04	.06	.02	.00	.14	
NE	3	11	42	58	14	1	87	4.60
	11	44	1.55	91	.15	.04	3.17	
	.01	.05	.18	.11	.02	.00	.37	
ENE	5	22	91	58	9	1	86	5.35
	.06	.28	1.17	.73	.09	.04	2.67	
	.01	.03	.09	.11	.01	.00	.25	
E	2	9	62	58	26	0.00	157	5.08
	.01	.04	.23	.07	.03	0.00	.57	
	.01	.02	.09	.11	.04	.00	.27	
ESE	2	8	49	83	10	5	92	4.82
	.01	.03	1.78	.03	.04	.01	3.35	
	.01	.02	.10	.16	.02	.01	.32	
SE	3	19	31	56	13	11	133	5.61
	.01	.07	1.13	1.31	.47	.40	4.84	
	.01	.02	.12	.16	.05	.05	.48	
SSE	9	43	88	2.48	43	34	214	6.83
	.03	.16	1.89	2.48	1.57	1.24	7.80	
	.01	.04	.09	.18	.10	.14	.96	
S	9	41	55	161	153	135	553	8.24
	.03	.15	2.00	5.97	5.57	4.92	20.14	
	.01	.04	.06	.22	.21	.37	1.91	
SSW	7	32	97	1.54	1.55	137	521	8.44
	.03	.12	3.53	5.61	5.64	5.74	18.98	
	.01	.03	.08	.14	.20	.37	1.86	
SW	2	9	56	41	32	27	168	7.16
	.07	.33	2.04	1.49	1.17	.98	6.12	
	.01	.02	.15	.17	.14	.16	.71	
WSW	1	4	11	10	8	4	59	6.56
	.04	.15	.40	.36	.29	.15	2.15	
	.01	.01	.04	.04	.03	.02	.15	
W	1	4	32	31	7	3	93	5.43
	.04	.15	1.17	1.13	.26	.11	3.39	
	.01	.01	.09	.14	.09	.01	.39	
WNW	2	3	8	18	16	4	75	7.44
	.07	.11	.29	.65	.58	.14	2.75	
	.01	.01	.03	.07	.08	.02	.32	
NW	3	6	19	31	36	44	139	8.1
	.11	.22	.69	1.13	1.31	1.60	5.06	
	.01	.02	.08	.13	.15	.19	.59	
NNW	1	4	18	66	37	49	199	8.06
	.04	.15	.66	2.40	2.08	1.79	7.24	
	.00	.02	.08	.28	.24	.21	.84	
N	2	7	20	77	62	40	210	7.62
	.07	.26	.73	2.81	2.26	1.46	7.65	
	.01	.03	.08	.33	.26	.17	.89	
CALM	1						1	CALM
	.04						.04	
	.00						.00	
TOTAL	36	194	495	833	637	350	2745	7.32
	1.31	7.07	18.03	30.35	23.21	20.04	100.00	
	.15	.82	2.09	3.52	2.69	2.32	11.59	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL B
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	6	13	18	18	13	69	7.14
	.08	.49	1.06	1.47	1.47	1.06	5.65	
	.00	.00	.05	.08	.08	.05	.29	
NE	2	1	5	2	2	0	12	3.69
	.24	1.15	1.55	.62	.62	0.00	3.11	
	.00	.00	.02	.01	.01	0.00	.06	
ENE	0	0	2	1	0	0	3	4.86
	0.00	.00	.52	.26	0.00	0.00	.78	
	0.00	.00	.01	.00	0.00	0.00	.01	
E	0	0	1	0	0	0	1	6.13
	0.00	0.00	.26	0.00	0.00	0.00	.26	
	0.00	0.00	.00	0.00	0.00	0.00	.00	
ESE	0	0	1	1	0	0	2	6.39
	0.00	0.00	.26	.26	0.00	0.00	.52	
	0.00	0.00	.00	.00	0.00	0.00	.01	
SE	0	0	2	1	0	0	3	5.71
	0.00	0.00	.52	.26	0.00	0.00	.78	
	0.00	0.00	.01	.00	0.00	0.00	.01	
SSE	1	5	18	20	12	9	65	.75
	.08	.41	1.47	1.64	.98	.74	5.32	
	.00	.01	.09	.08	.05	.04	.27	
S	1	4	12	54	59	44	208	8.03
	.08	.33	.98	4.42	4.83	3.60	17.04	
	.00	.01	.06	.22	.24	.18	.85	
SSW	2	2	13	55	44	52	156	7.79
	.16	.16	1.06	4.50	3.60	4.26	12.78	
	.01	.01	.05	.23	.18	.21	.65	
SW	1	4	11	19	22	11	66	7.38
	.08	.33	.90	1.56	1.80	.90	5.41	
	.00	.01	.04	.08	.09	.04	.27	
WSW	0	0	1	2	1	1	5	6.51
	0.00	0.00	.08	.16	.08	.08	.41	
	0.00	0.00	.00	.01	.00	.00	.02	
W	1	3	5	8	2	1	20	5.23
	.08	.24	.41	.65	.16	.08	1.64	
	.00	.01	.02	.03	.01	.00	.08	
WNW	1	2	1	1	0	0	5	6.14
	.08	.16	.08	.08	0.00	0.00	.41	
	.00	.01	.00	.00	0.00	0.00	.02	
NW	2	6	9	4	4	1	26	7.73
	.16	.49	.74	.33	.33	.08	2.13	
	.01	.02	.04	.02	.02	.00	.11	
NNW	0	0	1	1	1	1	4	8.13
	0.00	0.00	.08	.08	.08	.08	.33	
	0.00	0.00	.00	.00	.00	.00	.02	
N	1	3	5	4	2	1	16	7.52
	.08	.24	.41	.33	.16	.08	1.31	
	.00	.01	.02	.02	.01	.00	.06	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	12	36	90	115	103	76	432	7.10
	.98	2.95	7.38	9.43	8.45	6.23	35.42	
	.04	.12	.30	.38	.34	.25	1.42	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL C
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	5	15	28	26	27	102	7.96
	.07	.34	1.03	1.93	1.79	1.86	7.02	
	.00	.00	.06	.16	.11	.11	.43	
NE	2	6	19	14	0	0	45	4.61
	.14	.55	1.31	.90	.28	0.00	3.45	
	.01	.05	.08	.05	.02	0.00	.19	
ENE	1	9	12	11	6	3	42	5.41
	.07	.62	.83	.76	.41	.21	2.89	
	.00	.04	.05	.05	.03	.01	.18	
E	1	9	12	10	6	1	39	5.88
	.07	.14	.41	.69	.41	.07	1.79	
	.00	.01	.03	.05	.03	.00	.12	
ESE	0	6	13	12	5	1	37	5.21
	0.00	.41	.90	.83	.34	.07	2.55	
	0.00	.03	.06	.05	.02	.00	.16	
SE	2	4	9	17	9	4	45	5.78
	.14	.41	1.03	1.17	.62	.28	3.65	
	.01	.03	.06	.07	.04	.02	.23	
SSE	2	4	18	45	21	10	100	6.75
	.14	.28	1.24	3.10	1.45	.69	6.89	
	.01	.02	.09	.19	.09	.04	.42	
S	4	8	28	72	32	14	158	7.77
	.27	.55	1.93	4.96	2.20	.96	10.89	
	.02	.03	.12	.30	.13	.06	.67	
SSW	3	7	31	69	38	11	159	7.87
	.21	.48	2.14	4.75	2.62	.76	10.96	
	.01	.03	.13	.29	.16	.05	.67	
SW	3	5	18	24	7	2	79	6.78
	.21	.34	1.24	1.65	.48	.14	5.44	
	.01	.02	.08	.10	.03	.01	.33	
WSW	1	4	9	12	8	4	38	6.34
	.07	.28	.62	.83	.55	.28	2.62	
	.00	.02	.04	.05	.03	.02	.16	
W	0	1	4	7	4	1	17	5.12
	0.00	.07	.28	.48	.28	.07	1.17	
	0.00	.00	.02	.03	.02	.00	.07	
WNW	1	5	10	11	13	6	46	6.73
	.07	.34	.69	.76	.90	.41	3.17	
	.00	.02	.04	.05	.06	.03	.19	
NW	1	5	9	38	38	30	121	7.84
	.07	.48	1.03	2.62	2.62	1.93	8.33	
	.00	.03	.06	.16	.16	.09	.51	
NNW	2	5	12	45	40	29	133	7.80
	.14	.34	.83	3.10	2.75	2.00	9.16	
	.01	.02	.05	.19	.17	.12	.56	
N	1	6	18	35	46	39	146	8.06
	.14	.41	1.24	2.41	3.17	2.69	10.06	
	.01	.03	.08	.15	.19	.16	.62	
CALM	1						1	CALM
	.07						.07	
	.00						.00	
TOTAL	23	101	256	451	367	254	1452	7.19
	1.59	6.96	17.63	31.06	25.28	17.49	100.00	
	.10	.43	1.08	1.90	1.55	1.07	6.13	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL D
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4	33	111	185	138	93	564	7.11
	.06	.46	1.55	2.58	1.92	1.30	7.86	
	.02	.14	.47	.78	.58	.39	2.38	
NE	3	49	123	137	44	10	366	5.33
	.04	.68	1.71	1.91	.61	.14	5.10	
	.01	.21	.52	.58	.19	.04	1.55	
ENE	0	44	98	124	38	15	339	5.75
	0.00	.61	1.36	1.73	.81	.21	4.72	
	0.00	.19	.41	.52	.24	.06	1.43	
E	10	28	96	132	51	19	345	5.69
	.14	.53	1.34	1.84	.71	.26	4.82	
	.04	.12	.41	.56	.22	.08	1.46	
ESE	7	31	93	108	51	28	318	6.04
	.10	.43	1.30	1.50	.71	.39	4.43	
	.03	.13	.39	.46	.22	.12	1.34	
SE	2	18	81	121	70	69	361	6.74
	.03	.25	1.13	1.69	.97	.96	5.03	
	.01	.08	.34	.51	.30	.29	1.52	
SSE	3	20	85	141	95	82	426	7.26
	.04	.28	1.18	1.96	1.32	1.14	6.07	
	.01	.08	.36	.60	.40	.35	1.80	
S	8	34	103	328	305	381	1159	8.37
	.11	.47	1.43	4.57	4.25	5.31	16.14	
	.03	.14	.43	1.39	1.29	1.61	4.90	
SSW	5	35	91	215	195	155	696	7.76
	.07	.49	1.27	2.99	2.72	2.16	9.69	
	.02	.15	.38	.91	.82	.65	2.94	
SW	7	20	58	74	50	47	256	6.87
	.09	.28	.81	1.03	.70	.65	3.57	
	.03	.08	.24	.31	.21	.20	1.08	
WSW	5	16	38	48	30	31	168	6.00
	.07	.22	.53	.67	.42	.43	2.34	
	.02	.07	.16	.20	.13	.13	.71	
W	9	11	16	49	30	34	229	6.58
	.13	.15	.22	.68	.42	.47	3.19	
	.04	.05	.07	.21	.13	.14	.97	
WNW	3	19	37	55	42	42	208	7.76
	.04	.26	.52	.77	.59	.59	2.91	
	.01	.08	.16	.23	.18	.18	.88	
NW	1	14	44	120	120	99	399	8.49
	.01	.19	.61	1.67	1.67	1.37	5.56	
	.00	.06	.19	.51	.51	.42	1.69	
NNW	4	19	55	184	192	152	606	8.27
	.06	.26	.77	2.56	2.67	2.12	8.44	
	.02	.08	.23	.78	.81	.64	2.56	
N	3	17	50	210	170	202	697	8.85
	.04	.24	.70	2.92	2.37	2.83	9.71	
	.01	.07	.21	.89	.72	.86	2.94	
CALM	2						2	CALM
	.03						.03	
	.01						.01	
TOTAL	82	468	1284	2215	1683	1448	7180	7.35
	1.14	6.52	17.88	30.85	23.44	20.17	100.00	
	.35	1.98	5.42	9.36	7.11	6.12	30.33	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL E
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES(METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2	13	40	64	39	23	181	6.65
	04	05	07	1.12	69	41	3.19	
	01	02	02	02	10	06	03	
NE	3	31	69	57	18	9	171	4.72
	05	55	1.22	1.00	16	04	3.01	
	01	10	02	01	03	01	03	
ENE	2	10	59	54	04	01	131	6.03
	04	18	1.04	95	07	02	2.31	
	01	03	02	02	01	00	02	
E	2	09	63	1.41	60	14	3.54	6.71
	04	16	1.11	2.48	1.05	25	6.24	
	01	03	02	03	02	00	03	
ESE	00	14	47	107	56	16	260	
	00	25	83	1.88	1.24	38	4.58	
	00	04	02	03	02	01	03	
SE	00	06	60	45	32	07	1.10	7.02
	00	11	1.05	1.87	79	18	2.41	
	00	02	02	02	02	00	02	
SSE	05	08	18	14	07	02	54	
	1.29	2.08	4.63	3.59	1.80	44	13.82	
	03	05	04	03	02	00	03	
S	4	21	59	133	103	46	366	7.00
	07	37	1.04	2.34	1.81	81	6.45	
	02	09	03	04	03	01	04	
SSW	2	15	55	555	44	19	1.55	7.93
	04	10	1.39	3.99	2.40	1.00	8.58	
	01	03	02	07	04	02	02	
SW	1	08	32	180	121	55	379	8.70
	01	04	05	3.91	5.57	4.29	14.79	
	01	01	01	03	04	02	02	
WSW	07	44	1.29	6.89	6.81	7.56	26.03	
	02	11	30	1.65	2.35	1.81	6.24	
	01	01	01	03	04	03	02	
W	2	15	1.29	4.10	4.63	2.14	11.91	7.85
	05	05	05	98	1.01	48	2.86	
	01	01	01	02	02	01	01	
WNW	4	14	62	95	64	20	255	6.55
	09	05	1.09	1.67	1.13	35	4.49	
	02	01	02	02	02	01	02	
NW	2	08	56	40	57	08	1.08	6.03
	05	03	05	96	1.37	29	2.97	
	01	01	01	02	03	01	01	
NNW	1	14	58	99	51	05	2.27	6.54
	02	04	05	1.70	1.21	01	4.54	
	01	01	01	02	03	00	01	
N	5	09	16	56	67	49	14	2.11	6.69
	09	04	14	96	1.60	1.12	02	5.01	
	02	01	01	01	02	02	01	
CALM	3	20	1	1	1	1	1	27	
	05	05	01	01	01	01	01	01	
	01	01	00	00	00	00	00	00	
TOTAL	40	233	787	1699	1808	911	5678	7.47
	70	4.10	13.86	29.92	31.84	16.04	100.00	
	17	98	3.32	8.02	7.64	3.85	23.98	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD THREE YEARS COMBINED

STABILITY CLASS PASQUILL F
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/05/81 13.14.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES(METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3	25	48	31	14	131	6.73	
	0.00	09	1.09	1.50	77	44	4.09	
	0.00	01	02	02	01	00	02	
NE	1	10	50	44	12	08	125	4.54
	01	31	1.25	94	12	0.00	2.75	
	01	04	02	02	01	0.00	02	
ENE	2	10	21	39	03	8	114	6.35
	04	04	08	1.22	03	02	3.56	
	01	01	01	01	01	00	01	
E	1	06	20	48	14	5	158	6.46
	01	02	08	2.07	1.50	0.00	4.93	
	01	01	01	02	02	0.00	02	
ESE	1	08	24	43	01	1	97	6.44
	01	02	09	1.34	03	01	3.03	
	01	01	01	01	01	01	01	
SE	2	08	31	74	18	5	161	6.64
	02	02	09	2.31	1.04	16	5.03	
	01	01	01	02	02	01	02	
SSE	3	16	1.19	4.00	2.12	19	7.68	7.20
	03	01	19	1.25	1.59	03	1.04	
	01	01	02	03	03	01	02	
S	2	28	1.16	4.59	4.51	11	11.11	7.20
	02	09	1.16	4.59	4.51	11	11.11	
	01	03	03	04	04	01	03	
SSW	2	39	1.59	8.54	6.56	1.37	18.64	7.20
	02	08	1.54	1.13	89	19	2.52	
	01	02	02	02	02	01	02	
SW	1	08	1.19	4.68	3.06	1.04	10.05	7.20
	01	02	1.58	1.48	1.06	24	3.55	
	01	01	02	02	01	01	01	
WSW	1	08	1.42	3.59	1.69	12	7.24	6.21
	01	02	1.31	1.35	1.54	4	2.32	
	01	01	02	02	02	00	01	
W	1	06	18	49	23	02	98	5.37
	01	02	06	18	08	01	03	
	01	01	01	01	01	00	01	
WNW	1	05	29	74	11	5	125	5.84
	01	02	09	2.77	04	02	3.84	
	01	01	01	02	01	01	01	
NW	1	09	54	1.19	1.59	4	3.26	6.61
	01	03	1.69	4.44	6.06	15	12.38	
	01	01	02	04	05	00	02	
NNW	1	09	1.19	1.59	1.22	4	4.03	6.61
	01	03	3.69	5.94	4.66	15	15.29	
	01	01	04	04	04	01	03	
N	1	09	1.19	1.59	1.00	3	3.71	6.27
	01	03	3.69	5.94	3.84	11	14.23	
	01	01	04	04	03	01	02	
CALM	1	03	1	1	1	1	1	07	
	01	01	00	00	00	00	00	01	
	00	00	00	00	00	00	00	00	
TOTAL	1	138	511	1426	929	166	3203	6.66
	1.03	4.31	15.95	44.52	29.00	5.18	100.00	
	14	59	2.16	6.02	3.92	70	13.53	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: THREE YEARS COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/05/81 13 14 50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND): 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 09	9 39	19 87	51 2.32	26 1.18	7 32	113 5.15	6.36
NE	1 01	7 09	10 68	18 1.85	2 11	0 00	48 1.88	4.90
ENE	0 00	4 46	2 55	2 19	0 09	0 00	8 5.42	5.90
E	1 01	4 04	4 04	5 00	1 01	0 00	15 50	6.17
ESE	0 00	1 04	2 08	5 19	2 07	0 00	10 37	6.20
SE	0 00	1 04	1 04	2 08	1 04	0 00	5 19	6.59
SSE	0 00	1 04	1 04	2 08	1 04	0 00	5 19	6.71
S	0 00	1 04	1 04	4 17	2 08	0 00	8 31	7.31
SSW	0 00	0 00	1 04	4 17	3 13	0 00	8 33	6.95
SW	0 00	0 00	1 04	2 08	1 04	0 00	4 17	6.06
WSW	0 00	0 00	1 04	2 08	1 04	0 00	4 17	5.20
W	0 00	0 00	1 04	1 04	0 00	0 00	2 08	4.74
WNW	0 00	0 00	1 04	1 04	0 00	0 00	2 08	5.87
NW	0 00	0 00	1 04	2 08	1 04	0 00	4 17	6.17
NNW	0 00	0 00	1 04	1 04	1 04	0 00	3 13	5.99
N	0 00	0 00	1 04	1 04	1 04	0 00	3 13	6.66
CALM	1 03						1 03	CALM
TOTAL	5 00	37 1.68	46 2.09	104 4.73	46 2.09	4 18	242 11.00	6.34

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: THREE YEARS COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/05/81 13 14 50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND): 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	13 05	75 32	266 1.12	456 1.93	306 1.29	185 .78	1301 5.50	6.91
NE	19 08	135 57	264 1.54	313 1.32	70 30	14 06	915 3.86	4.91
ENE	10 04	101 43	257 1.09	334 1.41	164 69	41 17	907 3.83	5.80
E	16 07	81 34	216 91	398 1.68	229 97	41 17	981 4.14	6.13
ESE	14 06	94 40	243 1.03	376 1.59	217 92	71 30	1015 4.29	6.23
SE	18 08	95 40	267 1.13	542 2.29	327 1.38	134 57	1383 5.84	6.60
SSE	16 07	88 37	325 1.37	704 2.97	618 2.61	300 1.27	2051 8.66	7.32
S	17 07	111 47	411 1.74	1432 6.05	1448 6.12	1088 4.60	4507 19.04	8.19
SSW	22 09	84 35	335 1.41	954 4.03	868 3.67	552 2.33	2815 11.89	7.78
SW	17 07	90 38	261 1.10	437 1.85	264 1.12	140 59	1209 5.11	6.66
WSW	10 04	79 33	169 71	226 95	106 45	49 21	639 2.70	5.88
W	25 11	85 36	218 92	253 1.07	131 55	50 21	762 3.22	5.82
WNW	10 04	62 26	146 62	282 1.19	234 99	95 40	829 3.50	6.94
NW	15 06	53 22	182 77	363 1.53	351 1.48	227 96	1191 5.03	7.63
NNW	15 06	47 20	156 66	513 2.17	461 1.95	277 1.17	1469 6.20	7.75
N	20 08	67 28	206 87	538 2.27	498 2.10	362 1.53	1691 7.14	7.78
CALM	10 01						10 04	CALM
TOTAL	267 1.13	1347 5.69	4022 16.99	8121 34.30	6292 26.58	3626 15.32	23675 100.00	7.17

NUMBER OF VALID OBSERVATIONS 23675 90.01 PCT
NUMBER OF INVALID OBSERVATIONS 2629 9.99 PCT
TOTAL NUMBER OF OBSERVATIONS 26304 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	1	10	14	8	1	35	5.91
	0.12	0.12	1.17	1.64	0.94	0.12	4.10	
	0.01	0.01	0.13	0.18	0.10	0.01	0.44	
NE	2	2	13	7	2	0	26	4.78
	0.23	0.23	1.52	0.82	0.23	0.00	3.05	
	0.02	0.02	0.16	0.09	0.02	0.00	0.33	
ENE	0	0	3	14	2	2	21	6.30
	0.00	0.00	0.35	1.64	0.23	0.23	2.46	
	0.00	0.00	0.04	0.18	0.03	0.03	0.27	
E	0	0	2	2	0	1	5	5.31
	0.00	0.00	0.23	0.23	0.00	0.12	0.59	
	0.00	0.00	0.03	0.03	0.00	0.01	0.06	
ESE	0	0	3	5	1	2	11	5.98
	0.00	0.00	0.35	0.59	0.12	0.23	1.29	
	0.00	0.00	0.04	0.06	0.01	0.03	0.14	
SE	1	2	4	8	5	2	22	7.26
	0.12	0.23	0.47	0.94	0.59	0.23	2.58	
	0.01	0.02	0.05	0.09	0.06	0.02	0.26	
SSE	0	0	5	17	9	4	35	7.66
	0.00	0.00	0.59	2.00	1.06	0.47	4.11	
	0.00	0.00	0.06	0.20	0.11	0.05	0.41	
S	0	0	5	16	15	7	43	9.27
	0.00	0.00	0.59	1.88	1.76	0.82	5.05	
	0.00	0.00	0.06	0.19	0.18	0.08	0.51	
SSW	0	0	1	6	7	7	21	9.78
	0.00	0.00	0.12	0.71	0.82	0.82	2.47	
	0.00	0.00	0.01	0.07	0.08	0.08	0.25	
SW	0	0	1	3	9	8	21	8.72
	0.00	0.00	0.12	0.35	1.06	0.94	2.47	
	0.00	0.00	0.01	0.04	0.11	0.09	0.25	
WSW	0	0	1	2	1	6	10	8.61
	0.00	0.00	0.12	0.23	0.12	0.70	1.18	
	0.00	0.00	0.01	0.02	0.01	0.07	0.12	
W	1	0	0	4	2	2	9	4.99
	0.12	0.00	0.00	0.47	0.23	0.23	1.06	
	0.01	0.00	0.00	0.05	0.02	0.02	0.11	
WNW	1	2	5	6	2	0	16	6.15
	0.12	0.23	0.59	0.71	0.23	0.00	1.88	
	0.01	0.02	0.06	0.07	0.02	0.00	0.19	
NW	0	0	3	7	2	2	14	8.87
	0.00	0.00	0.35	0.82	0.23	0.23	1.65	
	0.00	0.00	0.04	0.09	0.02	0.02	0.16	
NNW	0	0	2	2	1	2	7	7.69
	0.00	0.00	0.23	0.23	0.12	0.23	0.82	
	0.00	0.00	0.02	0.02	0.01	0.02	0.08	
N	0	0	3	1	2	5	11	7.08
	0.00	0.00	0.35	0.12	0.23	0.59	1.29	
	0.00	0.00	0.04	0.01	0.02	0.06	0.13	
CALM	1	0	0	0	0	0	1	CALM
	0.12	0.00	0.00	0.00	0.00	0.00	0.12	
	0.01	0.00	0.00	0.00	0.00	0.00	0.01	
TOTAL	7	14	58	116	67	72	334	7.27
	0.82	1.65	6.82	13.63	7.88	8.47	39.25	
	0.08	0.17	0.68	1.36	0.79	0.85	3.92	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	6	4	3	3	17	7.34
	0.00	0.20	1.21	0.81	0.61	0.61	3.45	
	0.00	0.01	0.08	0.05	0.04	0.04	0.23	
NE	0	1	5	4	1	0	11	3.74
	0.00	0.20	1.01	0.81	0.20	0.00	2.23	
	0.00	0.01	0.07	0.05	0.01	0.00	0.15	
ENE	0	2	7	10	2	0	21	4.84
	0.00	0.41	1.42	2.03	0.41	0.00	4.26	
	0.00	0.03	0.09	0.13	0.03	0.00	0.28	
E	0	4	3	18	4	2	31	6.94
	0.00	0.81	0.61	3.65	0.81	0.41	6.29	
	0.00	0.05	0.04	0.24	0.05	0.03	0.41	
ESE	0	2	4	4	2	1	13	6.75
	0.00	0.41	0.81	0.81	0.41	0.20	2.64	
	0.00	0.03	0.05	0.05	0.03	0.01	0.17	
SE	0	1	6	8	4	2	21	5.87
	0.00	0.20	1.22	1.62	0.81	0.41	4.26	
	0.00	0.01	0.08	0.11	0.05	0.03	0.28	
SSE	0	2	6	8	5	1	22	7.27
	0.00	0.41	1.22	1.62	1.01	0.20	4.46	
	0.00	0.03	0.08	0.11	0.07	0.01	0.29	
S	0	2	6	9	4	17	38	8.50
	0.00	0.41	1.22	1.83	0.81	3.45	7.71	
	0.00	0.03	0.08	0.12	0.05	0.23	0.50	
SSW	0	1	8	15	7	1	32	8.64
	0.00	0.20	1.62	3.04	1.42	0.20	6.49	
	0.00	0.01	0.10	0.19	0.09	0.01	0.42	
SW	0	2	4	3	1	1	11	7.39
	0.00	0.41	0.81	0.61	0.20	0.20	2.23	
	0.00	0.03	0.05	0.04	0.01	0.01	0.14	
WSW	0	1	4	2	1	2	10	6.04
	0.00	0.20	0.81	0.41	0.20	0.41	2.03	
	0.00	0.01	0.05	0.03	0.01	0.03	0.13	
W	0	2	2	1	0	4	9	5.03
	0.00	0.41	0.41	0.20	0.00	0.81	1.83	
	0.00	0.03	0.03	0.01	0.00	0.05	0.11	
WNW	0	0	3	4	0	0	7	5.28
	0.00	0.00	0.61	0.81	0.00	0.00	1.42	
	0.00	0.00	0.04	0.05	0.00	0.00	0.09	
NW	0	0	2	7	4	2	15	7.50
	0.00	0.00	0.41	1.42	0.81	0.41	3.04	
	0.00	0.00	0.03	0.09	0.05	0.03	0.19	
NNW	0	0	2	3	1	2	8	8.10
	0.00	0.00	0.41	0.61	0.20	0.41	1.62	
	0.00	0.00	0.03	0.04	0.01	0.03	0.10	
N	0	0	4	1	1	1	7	8.11
	0.00	0.00	0.81	0.20	0.20	0.20	1.42	
	0.00	0.00	0.05	0.01	0.01	0.01	0.09	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	4	28	96	127	55	85	395	7.27
	0.81	5.71	19.43	25.71	11.13	17.24	80.03	
	0.03	0.18	0.62	0.82	0.36	0.55	2.56	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0.000	2.1	5	14	10	14	45	9.54
	0.000	26	91	2.54	1.81	2.54	8.15	
	0.000	0.00	18	5	10	18	56	
NE	0.000	0.00	10	5	1	0.00	18	4.91
	0.000	0.00	1.81	1.27	18	0.00	3.26	
	0.000	0.00	13	09	01	0.00	23	
ENE	0.000	7.2	7.2	5.4	5.4	3.6	2.16	5.83
	0.000	05	05	04	04	03	20	
	0.000	0.00	1	2	4	0.00	7	
E	0.000	0.00	18	36	72	0.00	1.27	6.63
	0.000	0.00	01	03	05	0.00	09	
	0.000	0.00	3	5	14	0.00	14	
ESE	0.000	36	1.09	54	54	0.00	2.54	5.21
	0.000	03	08	04	04	0.00	18	
	0.000	5	9	9	1	0.00	18	
SE	18	54	91	1.45	0.000	18	3.65	5.15
	01	04	06	10	0.000	01	03	
	1	1	2	21	8	6	59	
SSE	18	18	36	3.80	1.45	1.09	7.07	7.45
	01	01	03	26	10	08	49	
	1	1	3	65	10	7	87	
S	18	54	2.17	4.53	5.43	4.34	17.76	8.09
	01	04	16	31	38	30	1.20	
	1	4	15	43	34	20	75	
SSW	18	0.000	54	3.08	6.16	3.62	13.77	8.71
	01	0.000	04	21	43	25	93	
	1	0	4	29	40	17	90	
SW	18	36	2.17	1.81	1.81	1.27	7.61	6.92
	01	03	15	13	13	09	53	
	1	2	14	17	17	8	71	
WSW	0.000	54	91	91	54	36	3.08	6.11
	0.000	04	06	06	04	03	21	
	0.000	1	1	1	1	1	5	
W	0.000	1.09	54	91	36	0.00	2.90	4.88
	0.000	08	04	06	03	0.00	20	
	0.000	1	1	1	1	0.00	4	
WNW	0.000	0.00	18	1.09	72	0.00	1.99	7.00
	0.000	0.00	01	08	05	0.00	14	
	0.000	3	5	24	15	4	49	
NW	0.000	54	91	4.35	2.36	72	8.88	7.01
	0.000	04	06	30	16	05	61	
	0.000	3	5	17	9	3	44	
NNW	18	18	54	3.08	3.08	91	7.97	7.54
	01	01	04	21	21	06	55	
	1	1	3	12	12	5	43	
N	0.000	54	72	3.62	1.63	1.27	7.79	7.22
	0.000	04	05	25	11	09	54	
	1						1	
CALM	18						18	CALM
	01						01	
TOTAL	1.27	5.98	15.04	33.88	27.17	16.67	100.00	7.32
	09	41	1.04	2.34	1.88	1.15	6.92	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4	9	35	65	38	40	191	7.32
	17	38	1.46	2.75	1.61	1.69	8.07	
	05	11	44	82	48	50	2.39	
NE	13	65	1.82	1.94	68	04	5.54	5.02
	04	28	54	58	20	01	1.64	
	1	3	14	16	5	1	4.0	
ENE	0.000	13	1.01	1.58	72	46	4.10	6.17
	0.000	01	30	47	21	14	1.22	
	0.000	1	9	13	6	4	33	
E	0.000	09	59	1.01	19	7	1.35	5.85
	0.000	03	17	29	05	02	38	
	0.000	2	5	8	1	0.000	10	
ESE	0.000	42	1.23	2.24	80	30	5.00	5.77
	0.000	12	35	64	23	09	1.43	
	0.000	3	10	18	6	2	39	
SE	18	21	1.01	1.61	51	10	3.01	5.66
	05	06	29	46	15	03	86	
	1	2	8	13	4	1	29	
SSE	13	08	55	2.07	51	46	3.80	8.60
	04	02	16	61	15	14	1.12	
	1	1	4	16	4	4	30	
S	0.000	04	97	1.41	1.14	1.01	5.57	9.05
	0.000	01	29	48	34	48	1.59	
	0.000	1	7	13	9	13	44	
SSW	0.000	04	1.56	2.60	4.70	5.66	15.60	8.26
	0.000	01	18	64	81	93	2.57	
	0.000	1	5	17	21	24	68	
SW	0.000	30	76	2.70	3.42	2.24	9.43	7.31
	0.000	09	23	80	1.00	66	2.80	
	0.000	1	3	10	12	8	34	
WSW	13	17	46	1.01	1.27	1.50	3.05	6.26
	04	05	14	29	34	19	1.14	
	1	1	4	8	9	5	28	
W	0.000	08	31	46	19	13	2.45	6.11
	0.000	02	08	14	05	04	73	
	0.000	1	3	4	1	1	9	
WNW	0.000	04	46	59	38	17	1.94	7.19
	0.000	01	14	18	11	05	58	
	0.000	0	2	3	2	1	8	
NW	0.000	09	54	1.03	1.06	46	3.17	8.87
	0.000	03	17	33	41	18	1.12	
	0.000	1	4	9	11	5	30	
NNW	03	17	85	1.69	1.94	2.37	7.06	7.82
	01	05	28	58	70	84	2.49	
	1	1	5	10	12	15	44	
N	04	60	1.03	3.47	2.54	1.79	9.87	8.44
	01	21	36	1.23	90	63	3.50	
	1	6	10	33	24	17	93	
CALM	13	46	1.39	2.80	2.58	3.80	11.00	CALM
	04	14	41	84	76	1.13	3.32	
	08						08	
TOTAL	1.59	3.19	9.76	19.97	15.53	13.91	63.16	7.63
	02	5.03	15.89	31.57	24.09	21.69	100.00	
	03	1.49	4.71	9.37	7.24	6.50	29.67	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	3	12	16	8	3	43	6.26
	0.05	1.58	6.32	8.42	4.21	1.58	22.63	
	0.01	0.04	0.15	0.20	0.10	0.04	0.54	
NE	2	9	15	20	10	5	61	4.75
	0.05	0.47	1.58	1.05	0.53	0.26	3.94	
	0.01	0.11	0.37	0.50	0.25	0.13	1.46	
ENE	1	4	15	14	17	6	57	6.73
	0.05	0.21	0.78	0.73	0.89	0.31	2.98	
	0.01	0.05	0.19	0.18	0.21	0.08	0.71	
E	0	4	10	9	19	5	47	6.59
	0.00	0.21	0.52	0.47	0.99	0.26	2.45	
	0.00	0.05	0.12	0.11	0.24	0.06	0.58	
ESE	1	8	26	27	19	7	88	6.69
	0.05	0.42	1.36	1.41	0.99	0.37	4.59	
	0.01	0.10	0.32	0.34	0.24	0.09	1.09	
SE	2	10	17	46	27	9	131	7.10
	0.10	0.52	0.89	2.41	1.41	0.47	6.83	
	0.02	0.11	0.21	0.58	0.34	0.11	1.62	
SSE	2	15	27	60	82	31	227	8.22
	0.10	0.78	1.41	3.14	4.29	2.67	11.84	
	0.02	0.18	0.34	0.74	1.02	0.39	2.80	
S	5	24	50	105	158	179	542	8.94
	0.26	1.25	2.60	5.45	8.23	9.27	28.41	
	0.06	0.30	0.62	1.30	1.95	2.21	6.69	
SSW	2	9	14	60	97	45	210	8.42
	0.10	0.47	0.73	3.14	5.08	2.35	11.01	
	0.02	0.11	0.18	0.74	1.20	0.56	2.59	
SW	0	5	18	37	31	10	101	7.21
	0.00	0.26	0.94	1.94	1.62	0.52	5.29	
	0.00	0.06	0.22	0.46	0.38	0.12	1.25	
WSW	0	3	10	15	9	0	37	5.84
	0.00	0.16	0.52	0.78	0.47	0.00	1.94	
	0.00	0.04	0.12	0.19	0.11	0.00	0.46	
W	2	4	15	15	6	0	42	5.55
	0.10	0.21	0.78	0.78	0.31	0.00	1.83	
	0.02	0.05	0.19	0.19	0.08	0.00	0.52	
WNW	0	5	7	26	10	2	53	6.71
	0.00	0.26	0.37	1.36	0.52	0.10	2.78	
	0.00	0.06	0.09	0.33	0.13	0.03	0.65	
NW	3	4	17	37	18	5	84	6.43
	0.16	0.21	0.89	1.94	0.94	0.26	4.40	
	0.04	0.05	0.21	0.46	0.23	0.06	1.05	
NNW	1	6	11	24	25	6	78	7.11
	0.05	0.31	0.58	1.26	1.31	0.31	4.08	
	0.01	0.07	0.14	0.30	0.31	0.08	0.98	
N	4	5	7	26	26	9	77	7.11
	0.21	0.26	0.37	1.36	1.36	0.47	4.03	
	0.05	0.06	0.09	0.33	0.33	0.11	0.97	
CALM	1						1	CALM
	0.05						0.05	
	0.01						0.01	
TOTAL	18	71	236	508	658	340	1911	7.67
	0.94	3.72	12.35	30.77	34.43	17.79	100.00	
	0.23	0.89	2.96	7.37	8.25	4.26	23.96	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	12	13	7	12	45	7.38
	0.00	1.19	1.27	1.27	0.68	1.17	4.40	
	0.00	0.11	1.15	1.16	0.79	1.15	5.56	
NE	1	0	5	15	1	0	32	5.20
	0.10	0.00	0.49	1.47	0.10	0.00	2.15	
	0.01	0.00	0.06	0.17	0.01	0.00	0.28	
ENE	1	4	6	17	18	6	52	6.87
	0.10	0.39	0.68	1.66	1.76	0.59	5.19	
	0.01	0.05	0.09	0.21	0.23	0.08	0.66	
E	3	4	5	14	11	1	52	6.31
	0.29	0.39	0.59	1.37	1.07	0.10	5.09	
	0.04	0.05	0.08	0.21	0.18	0.01	0.65	
ESE	0	5	8	15	7	4	59	6.63
	0.00	0.49	0.78	1.47	0.68	0.39	3.58	
	0.00	0.06	0.10	0.19	0.09	0.05	0.75	
SE	2	6	9	24	23	1	65	7.19
	0.20	0.59	0.88	2.34	2.25	0.10	6.37	
	0.03	0.08	0.11	0.30	0.29	0.01	0.82	
SSE	2	6	9	30	43	10	110	7.79
	0.20	0.59	0.88	2.94	4.19	1.47	10.78	
	0.03	0.08	0.11	0.38	0.54	0.19	1.38	
S	16	38	64	89	86	27	320	7.76
	1.57	3.72	6.27	8.72	8.42	2.64	31.34	
	0.21	0.48	0.80	1.12	1.08	0.34	4.03	
SSW	1	4	19	46	40	15	126	7.21
	0.10	0.39	1.86	4.50	3.91	1.47	12.33	
	0.01	0.05	0.24	0.58	0.50	0.19	1.58	
SW	0	5	11	40	30	4	88	6.88
	0.00	0.49	1.08	3.91	2.93	0.39	8.61	
	0.00	0.06	0.14	0.50	0.38	0.05	1.11	
WSW	0	4	14	32	35	5	90	5.05
	0.00	0.39	1.37	3.13	3.42	0.49	8.80	
	0.00	0.05	0.18	0.40	0.44	0.06	1.13	
W	0	5	8	22	29	7	71	6.07
	0.00	0.49	0.78	2.15	2.83	0.68	6.94	
	0.00	0.06	0.10	0.28	0.37	0.09	0.89	
WNW	0	0	11	28	40	7	86	6.51
	0.00	0.00	1.08	2.73	3.91	0.68	8.41	
	0.00	0.00	0.14	0.35	0.50	0.09	1.08	
NW	0	3	8	19	20	4	53	6.88
	0.00	0.29	0.78	1.86	1.96	0.39	5.18	
	0.00	0.04	0.10	0.24	0.25	0.05	0.67	
NNW	1	3	5	21	8	0	39	6.16
	0.10	0.29	0.49	2.05	0.78	0.00	3.82	
	0.01	0.04	0.06	0.26	0.10	0.00	0.49	
N	2	5	8	17	15	0	47	7.02
	0.20	0.49	0.78	1.67	1.47	0.00	4.60	
	0.03	0.06	0.10	0.21	0.19	0.00	0.59	
CALM	2						2	CALM
	0.20						0.20	
	0.03						0.03	
TOTAL	44	146	400	328	95	10	1023	7.03
	4.31	14.29	39.14	32.09	9.30	1.00	100.00	
	0.55	1.83	5.02	4.11	1.19	0.12	12.82	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	1 .13	5 .64	22 2.83	11 1.42	5 .64	44 5.66	7.07
NE	0 0.00	1 .01	5 .06	18 .23	14 .18	5 .06	43 .55	5.34
ENE	0 0.00	2 .03	1 .13	5 .64	0 0.00	0 0.00	8 1.03	5.95
E	0 0.00	1 .01	1 .13	1 .13	0 0.00	0 0.00	3 .39	5.66
ESE	0 0.00	1 .01	1 .13	2 .26	1 .13	0 0.00	5 .64	5.57
SE	0 0.00	1 .01	1 .13	2 .26	2 .26	0 0.00	6 .77	6.87
SSE	0 0.00	1 .01	1 .13	2 .26	2 .26	0 0.00	6 .77	7.07
S	0 0.00	0 0.00	1 .13	2 .26	3 .39	1 .13	7 .90	7.97
SSW	0 0.00	0 0.00	1 .13	4 .51	4 .51	2 .26	11 1.41	7.67
SW	0 0.00	0 0.00	1 .13	3 .39	5 .64	2 .26	11 1.41	6.49
WSW	0 0.00	0 0.00	1 .13	4 .51	1 .13	0 0.00	6 .77	4.89
W	0 0.00	0 0.00	2 .26	1 .13	0 0.00	0 0.00	3 .39	4.86
WNW	0 0.00	0 0.00	1 .13	2 .26	0 0.00	0 0.00	3 .39	6.12
NW	0 0.00	0 0.00	1 .13	2 .26	0 0.00	0 0.00	3 .39	5.69
NNW	0 0.00	0 0.00	1 .13	1 .13	0 0.00	0 0.00	2 .26	6.03
N	0 0.00	0 0.00	1 .13	1 .13	0 0.00	0 0.00	2 .26	7.02
CALM	0 0.00						0 0.00	CALM
TOTAL	0 0.00	19 2.45	30 3.86	140 18.02	322 41.44	206 26.51	60 7.72	777 100.00
		24	38	176	4.04	2.58	.75	9.74

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1973 THROUGH MAY 31, 1974

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 11:55:32

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	6 .08	18 .23	85 1.07	148 1.86	90 1.13	78 .98	425 5.33	7.21
NE	7 .09	43 .54	107 1.34	123 1.54	22 .28	3 .03	305 3.82	4.95
ENE	2 .03	32 .40	78 .98	105 1.32	67 .84	27 .34	311 3.90	6.23
E	7 .09	20 .25	68 .85	140 1.76	84 1.05	12 .15	339 4.25	6.14
ESE	4 .05	23 .29	74 .93	98 1.23	51 .64	19 .24	269 3.37	6.12
SE	7 .09	23 .29	60 .75	176 2.21	97 1.22	42 .53	405 5.08	6.84
SSE	7 .09	20 .25	79 .99	197 2.47	221 2.77	132 1.66	656 8.23	7.97
S	3 .04	23 .29	107 1.34	412 5.17	604 7.57	471 5.91	1620 20.31	8.70
SSW	6 .08	16 .20	77 .97	279 3.50	374 4.69	250 3.13	1002 12.56	8.43
SW	4 .05	15 .19	80 1.00	176 2.21	142 1.78	62 .78	479 6.01	7.23
WSW	3 .04	24 .30	61 .76	70 .88	36 .45	17 .21	211 2.65	5.93
W	7 .09	27 .34	63 .79	75 .94	25 .31	7 .09	204 2.56	5.48
WNW	0 0.00	17 .21	47 .59	108 1.35	74 .93	14 .18	260 3.26	6.63
NW	6 .08	16 .20	71 .89	159 1.99	106 1.33	102 1.28	460 5.77	7.80
NNW	6 .08	18 .23	51 .64	189 2.37	152 1.91	64 .80	480 6.02	7.48
N	8 .10	26 .33	62 .78	176 2.21	145 1.82	125 1.57	542 6.80	7.82
CALM	7 .09						7 .09	CALM
TOTAL	90 1.13	369 4.63	1170 14.67	2631 32.99	2291 28.73	1424 17.86	7975 100.00	7.49

NUMBER OF VALID OBSERVATIONS 7975 91.04 PCT
NUMBER OF INVALID OBSERVATIONS 785 8.96 PCT
TOTAL NUMBER OF OBSERVATIONS 8760 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL A
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT ±0.00 METERS
TABLE GENERATED 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND): 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .06	38 2.38	20 1.25	45 2.82	12 .75	4 .25	90 5.67	6.03
NE	01 .06	07 .44	05 .31	54 3.38	14 .88	05 .31	1.08	4.39
ENE	01 .06	10 .63	2 .13	08 .50	02 .13	06 .38	3.78	4.75
E	01 .06	02 .13	1 .06	18 1.13	19 1.19	04 .25	2.52	4.69
ESE	01 .06	06 .38		14 .88	04 .25	00 .00	2.14	4.37
SE	04 .25	1 .06	1 .06	19 1.19	08 .50	01 .06	4.92	4.77
SSE	04 .25	1 .06	1 .06	08 .50	05 .31	2 .13	3.91	6.51
S	01 .06	01 .06	2 .13	2 .13	1 .06	1 .06	8.95	7.73
SSW	01 .06	01 .06	2 .13	5 .31	5 .31	4 .25	18.47	7.78
SW	01 .06	01 .06	2 .13	5 .31	3 .19	4 .25	17.14	6.61
WSW	01 .06	01 .06	1 .06	1 .06	1 .06	1 .06	6.24	5.92
W	01 .06	01 .06		1 .06			2.39	5.59
WNW	01 .06	01 .06		1 .06			2.45	7.84
NW	01 .06	03 .19					3.22	7.38
NNW	04 .25	05 .31		1 .06	1 .06		3.57	7.97
N	04 .25	05 .31	2 .13	2 .13	2 .13	1 .06	7.75	7.26
CALM	01 .06	06 .38	2 .13	1 .06	1 .06		1.29	CALM
	00 .00						0.00	
TOTAL	00 .00 1 .06 34	143 9.01 1.71	358 22.56 4.28	477 30.06 5.71	325 20.48 3.89	256 16.13 3.06	0.00 1587 100.00 18.99	6.80

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL B
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT ±0.00 METERS
TABLE GENERATED 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND): 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .06	5 .31	3 .19	8 .50	6 .38	8 .50	31 1.94	7.06
NE	23 1.44	14 .88	68 4.25	82 5.13	37 2.31	82 5.13	7.26	3.36
ENE	06 .38	04 .25	10 .63	07 .44	02 .13	10 .63	3.19	4.87
E	45 2.81	37 2.31	91 5.69	46 2.88	0 .00	0 .00	3.19	4.53
ESE	06 .38	07 .44	05 .31	0 .00	0 .00	0 .00	1.17	6.39
SE	01 .06	01 .06	04 .25	02 .13	0 .00	0 .00	.57	4.91
SSE	01 .06	01 .06	04 .25	02 .13	0 .00	0 .00	.57	6.61
S	01 .06	01 .06	08 .50	08 .50	02 .13	05 .31	2.35	8.15
SSW	01 .06	04 .25	2 .13	4 .25	3 .19	4 .25	14.91	7.24
SW	02 .13	00 .00	2 .13	2 .13	2 .13	2 .13	10.02	7.75
WSW	00 .00	03 .19	1 .06	01 .06	02 .13	1 .06	3.07	6.79
W	00 .00	08 .50	01 .06	1 .06	02 .13	02 .13	3.87	5.04
WNW	01 .06	01 .06	01 .06	01 .06	01 .06	01 .06	3.45	7.24
NW	01 .06	04 .25	01 .06	01 .06	1 .06	01 .06	4.92	7.65
NNW	00 .00	1 .06	1 .06	1 .06	2 .13	2 .13	9.43	8.54
N	01 .06	00 .00	1 .06	1 .06	3 .19	3 .19	10.02	8.16
CALM	01 .06	08 .50	02 .13	2 .13	3 .19	2 .13	9.43	CALM
	00 .00						0.00	
TOTAL	2 .13 12	56 3.69 6.67	18 1.19 9.95	102 6.73 23 1.52 1.16	97 6.40 22 1.45 1.16	95 6.27 21 1.39 1.14	100.00 9 .59 9.25	7.11

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL C
DATA SOURCE ON-SITE
WIND SENSOR HT. (T 60.00 METERS
TABLE GENERATED 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	0	8	10	9	11	39	7.66
	0.00	0.00	1.17	1.96	1.76	2.15	7.60	
	0.00	0.00	0.07	0.12	0.11	0.15	0.47	
NE	0	1	8	9	5	0	23	4.09
	0.00	1.57	1.17	1.76	0.98	0.00	4.50	
	0.00	0.07	0.07	0.06	0.04	0.00	0.28	
ENE	0	0	7	8	3	0	18	4.34
	0.00	0.00	0.98	1.57	0.59	0.00	3.52	
	0.00	0.00	0.06	0.10	0.04	0.00	0.21	
E	0	0	1	3	1	0	5	6.20
	0.00	0.00	0.20	0.59	0.20	0.00	0.98	
	0.00	0.00	0.01	0.04	0.01	0.00	0.06	
ESE	0	0	2	7	2	0	11	5.69
	0.00	0.00	0.39	1.37	0.39	0.00	2.15	
	0.00	0.00	0.02	0.08	0.02	0.00	0.13	
SE	0	0	1	8	3	0	12	6.48
	0.00	0.00	0.20	1.57	0.59	0.00	2.35	
	0.00	0.00	0.01	0.09	0.03	0.00	0.14	
SSE	0	0	1	8	5	0	14	6.72
	0.00	0.00	0.20	1.57	0.98	0.00	2.74	
	0.00	0.00	0.01	0.09	0.06	0.00	0.16	
S	0	1	2	10	8	0	21	7.58
	0.00	0.20	0.39	1.96	1.57	0.00	4.12	
	0.00	0.01	0.02	0.12	0.09	0.00	0.25	
SSW	0	0	4	11	5	0	20	7.36
	0.00	0.00	0.78	2.15	0.98	0.00	3.92	
	0.00	0.00	0.05	0.13	0.06	0.00	0.24	
SW	0	1	3	4	3	0	11	7.06
	0.00	0.20	0.59	0.78	0.59	0.00	2.15	
	0.00	0.01	0.04	0.05	0.04	0.00	0.13	
WSW	0	0	1	3	1	0	5	6.23
	0.00	0.00	0.20	0.59	0.20	0.00	0.98	
	0.00	0.00	0.01	0.04	0.01	0.00	0.06	
W	0	1	1	3	0	0	5	4.32
	0.00	0.20	0.20	0.59	0.00	0.00	0.98	
	0.00	0.01	0.01	0.04	0.00	0.00	0.06	
WNW	0	0	1	3	1	0	5	7.65
	0.00	0.00	0.20	0.59	0.20	0.00	0.98	
	0.00	0.00	0.01	0.04	0.01	0.00	0.06	
NW	0	0	2	4	1	0	7	8.68
	0.00	0.00	0.39	0.78	0.20	0.00	1.37	
	0.00	0.00	0.02	0.05	0.01	0.00	0.08	
NNW	0	0	2	5	2	0	9	8.45
	0.00	0.00	0.39	0.98	0.39	0.00	1.76	
	0.00	0.00	0.02	0.06	0.02	0.00	0.11	
N	0	0	2	3	2	0	7	8.98
	0.00	0.00	0.39	0.59	0.39	0.00	1.37	
	0.00	0.00	0.02	0.04	0.02	0.00	0.08	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	2	8	43	85	39	0	177	7.45
	1.13	4.52	24.29	48.02	22.03	0.00	100.00	
	0.03	0.13	0.68	1.34	0.62	0.00	2.79	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL D
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	26	26	56	59	26	173	7.45
	0.00	1.07	1.18	2.55	2.68	1.18	7.86	
	0.00	0.07	0.07	0.15	0.16	0.07	0.47	
NE	0	11	24	38	8	2	83	5.38
	0.00	0.50	1.09	1.73	0.36	0.09	3.77	
	0.00	0.03	0.07	0.10	0.02	0.01	0.23	
ENE	0	10	15	35	26	3	89	5.38
	0.00	0.45	0.68	1.59	1.18	0.14	4.05	
	0.00	0.03	0.04	0.10	0.07	0.01	0.24	
E	0	4	8	9	14	0	35	6.16
	0.00	0.18	0.36	0.41	0.64	0.00	1.59	
	0.00	0.01	0.02	0.02	0.04	0.00	0.09	
ESE	2	9	11	41	7	0	70	6.54
	0.09	0.41	0.50	1.86	0.32	0.00	3.18	
	0.01	0.02	0.03	0.11	0.02	0.00	0.19	
SE	3	10	13	22	11	0	59	7.17
	0.14	0.45	0.59	1.00	0.50	0.00	2.68	
	0.01	0.03	0.04	0.06	0.03	0.00	0.16	
SSE	3	14	16	36	14	0	83	6.57
	0.14	0.64	0.73	1.64	0.64	0.00	3.77	
	0.01	0.04	0.04	0.10	0.04	0.00	0.23	
S	4	14	29	43	17	0	107	7.92
	0.18	0.64	1.32	1.96	0.77	0.00	4.86	
	0.01	0.04	0.08	0.12	0.05	0.00	0.29	
SSW	2	9	17	44	17	0	89	7.52
	0.09	0.41	0.77	2.00	0.77	0.00	4.04	
	0.01	0.02	0.05	0.12	0.05	0.00	0.24	
SW	0	7	11	19	8	0	45	6.38
	0.00	0.32	0.50	0.86	0.36	0.00	2.04	
	0.00	0.02	0.03	0.05	0.02	0.00	0.12	
WSW	0	5	8	10	3	0	26	4.91
	0.00	0.23	0.36	0.45	0.14	0.00	1.18	
	0.00	0.01	0.02	0.03	0.01	0.00	0.07	
W	0	4	7	12	3	0	26	6.91
	0.00	0.18	0.32	0.54	0.14	0.00	1.18	
	0.00	0.01	0.02	0.03	0.01	0.00	0.07	
WNW	0	3	7	10	4	0	24	8.45
	0.00	0.14	0.32	0.45	0.18	0.00	1.09	
	0.00	0.01	0.02	0.03	0.01	0.00	0.06	
NW	0	6	11	23	7	0	47	7.95
	0.00	0.27	0.50	1.04	0.32	0.00	2.13	
	0.00	0.02	0.03	0.06	0.02	0.00	0.13	
NNW	0	5	9	19	7	0	40	8.63
	0.00	0.23	0.41	0.86	0.32	0.00	1.81	
	0.00	0.01	0.02	0.05	0.02	0.00	0.11	
N	0	6	10	19	7	0	42	8.22
	0.00	0.27	0.45	0.86	0.32	0.00	1.90	
	0.00	0.02	0.03	0.05	0.02	0.00	0.11	
CALM	1	2	0	0	0	0	3	CALM
	0.05	0.09	0.00	0.00	0.00	0.00	0.14	
	0.00	0.01	0.00	0.00	0.00	0.00	0.01	
TOTAL	17	127	387	641	350	449	2200	7.36
	0.77	5.77	17.59	29.14	15.91	20.41	100.00	
	0.04	0.29	0.89	1.48	0.81	1.04	5.08	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL E
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0.000	6	14	22	14	8	64	6.46
	0.000	34	79	1.023	79	45	3.560	
	0.000	07	17	66	17	10	77	
NE	0.000	48	1.560	11	1	1	2.43	4.47
	0.000	10	550	55	0.000	0.000	2.41	
	0.000	06	22	05	0.000	0.000	01	
ENE	1	16	1.208	55	9	1	2.99	5.59
	0.04	0.54	1.222	1.955	50	0.000	3.87	
	0.01	07	24	09	11	0.000	93	
E	0.000	0.51	1.491	1.044	48	28	3.59	6.52
	0.000	05	10	41	10	06	31	
	0.000	01	03	05	03	01	09	
ESE	0.000	0.54	1.484	1.655	59	5	3.44	7.17
	0.000	07	18	27	09	01	1.16	
	0.000	02	06	09	03	0.000	0.40	
SE	0.000	0.39	2.08	2.088	68	6	3.90	6.99
	0.000	08	20	44	19	1	1.92	
	0.000	03	07	15	06	0.000	0.41	
ESE	0.000	0.34	1.357	3.488	4.49	1.91	11.78	7.65
	0.000	07	30	76	97	41	2.51	
	0.000	02	10	24	31	13	0.80	
S	0.000	0.48	1.553	7.503	8.54	4.59	22.393	8.08
	0.000	10	35	1.64	1.99	93	4.80	
	0.000	03	11	24	28	13	0.79	
SSW	0.000	0.56	2.08	4.207	3.65	1.74	12.59	7.24
	0.000	12	44	92	78	37	2.63	
	0.000	04	14	29	25	12	0.84	
SW	0.000	39	1.051	1.551	75	11	4.79	5.43
	0.000	08	33	49	24	03	1.52	
	0.000	03	10	15	07	01	0.47	
WSW	0.000	11	73	1.205	45	0.000	2.64	5.87
	0.000	03	23	38	14	0.000	0.84	
	0.000	01	07	12	05	0.000	0.26	
W	1	16	84	695	34	1	2.36	5.28
	04	04	18	24	07	04	0.80	
	01	01	05	07	02	01	0.27	
WNW	0.000	09	46	1.098	1	0.000	4.09	6.37
	0.000	03	14	33	0.000	0.000	1.07	
	0.000	01	04	10	0.000	0.000	0.32	
NW	0.000	17	55	1.091	1.050	179	4.392	6.53
	0.000	04	16	41	20	04	1.65	
	0.000	01	05	13	06	01	0.52	
NNW	0.000	30	1.67	2.038	1.692	211	4.971	6.83
	0.000	04	14	25	21	03	1.61	
	0.000	01	04	08	06	01	0.49	
N	1	24	1.82	2.199	1.351	674	5.133	7.14
	0.000	05	35	42	26	13	1.00	
	0.000	01	07	08	05	02	0.19	
CALM	0.000						0.000	CALM
	0.000						0.000	
	0.000						0.000	
TOTAL	1.505	89	300	648	554	209	1.703	7.02
	73	4.99	16.83	36.34	29.59	11.72	100.00	
	16	1.07	3.59	7.76	6.27	2.50	41.34	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS PASQUILL F
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0.000	12	1.10	1.16	17	2	1.20	6.49
	0.000	07	1.15	1.39	1.48	17	4.35	
	0.000	02	18	13	20	02	0.90	
NE	0.000	81	1.559	61	19	0.000	2.96	4.30
	0.000	08	22	08	02	0.000	41	
	0.000	02	06	02	01	0.000	11	
ENE	1	15	1.07	9	1	1	2.34	5.69
	0.04	0.45	87	78	70	09	2.96	
	0.01	06	16	11	10	01	41	
E	0.000	17	61	1.357	1.000	0.000	3.635	6.68
	0.000	02	08	22	18	0.000	50	
	0.000	01	03	09	07	0.000	19	
ESE	1	24	99	2.000	1.520	1	4.645	6.56
	0.04	0.32	78	2.61	1.24	0.04	5.93	
	0.01	03	11	36	17	01	0.81	
SE	0.000	0.48	1.55	3.03	1.57	35	7.05	6.72
	0.000	06	21	42	22	05	0.98	
	0.000	01	03	06	03	0.000	0.14	
SSE	1	42	1.69	3.64	1.92	1	5.135	6.99
	0.04	0.57	1.09	5.27	3.55	87	11.74	
	0.01	06	14	37	25	06	1.82	
S	0.000	46	1.22	9.04	6.87	3.32	17.921	7.22
	0.000	04	17	1.24	95	0.46	2.47	
	0.000	01	03	08	05	02	0.34	
SSW	1	1.09	6.99	6.00	3.44	1.23	10.976	6.95
	0.04	01	09	78	45	17	1.51	
	0.01	0.00	02	16	09	03	0.31	
SW	1.15	4	19	5.63	1.99	1	1.129	6.04
	0.42	0.55	1.65	5.09	1.65	0.000	9.32	
	0.12	05	23	74	23	0.000	1.37	
WSW	1	24	1.16	2.30	1.30	0.000	4.34	5.20
	0.04	03	14	29	16	0.000	0.65	
	0.01	01	04	10	06	0.000	0.24	
W	0.000	0.55	87	1.65	09	0.000	2.96	5.19
	0.000	07	11	22	01	0.000	41	
	0.000	02	03	06	0.000	0.000	11	
WNW	1	32	1.04	1.48	1.50	0.000	4.67	6.34
	0.04	04	14	20	24	0.000	0.63	
	0.01	01	04	06	07	0.000	0.22	
NW	1	34	1.12	1.39	45	0.000	3.030	5.42
	0.04	03	14	19	06	0.000	0.45	
	0.01	01	04	06	02	0.000	0.15	
NNW	0.000	17	1.01	1.39	43	0.000	2.598	5.77
	0.000	02	08	19	06	0.000	0.34	
	0.000	01	03	06	02	0.000	0.11	
N	0.000	46	1.10	2.29	1.18	43	5.603	6.67
	0.000	04	12	19	09	04	0.75	
	0.000						0.000	
CALM	0.000						0.000	CALM
	0.000						0.000	
TOTAL	11	53	194	551	310	28	1.155	6.48
	96	4.61	16.87	47.91	27.00	2.43	100.00	
	13	63	2.32	6.59	3.75	34	13.76	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1974 THROUGH MAY 31, 1975

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .15	4 .58	6 .88	12 1.75	8 1.17	1 .15	32 4.67	5.97
	.01	.05	.07	.14	.10	.01	.38	
NE	1 .15	5 .73	2 .29	8 1.17	0 0.00	0 0.00	16 2.34	4.19
	.02	.06	.19	.10	0.00	0.00	.38	
ENE	1 .15	2 .29	5 .73	13 1.90	1 .15	0 0.00	22 3.21	5.16
	.01	.02	.06	.16	.01	0.00	.26	
E	0 0.00	4 .58	11 1.61	15 1.75	13 1.90	0 0.00	40 5.84	5.96
	0.00	.05	.13	.18	.16	0.00	.48	
ESE	1 .15	4 .58	7 1.02	23 3.80	6 .88	0 0.00	41 6.13	5.94
	.01	.05	.08	.27	.07	0.00	.50	
SE	0 0.00	3 .44	11 1.61	21 3.08	14 2.05	0 0.00	49 8.47	6.35
	0.00	.04	.14	.31	.18	0.00	.59	
SSE	1 .15	2 .29	15 2.19	44 6.45	35 4.98	3 .44	95 13.87	6.65
	.01	.02	.18	.53	.26	.04	1.14	
S	0 0.00	2 .29	9 1.31	69 10.07	37 4.55	0 0.00	117 16.55	6.74
	0.00	.02	.11	.82	.38	0.00	1.34	
SSW	0 0.00	0 0.00	4 .58	33 4.82	12 1.75	0 0.00	49 7.08	6.14
	0.00	0.00	.05	.39	.14	0.00	.65	
SW	1 .15	2 .29	2 .29	29 4.24	6 .88	0 0.00	40 5.84	6.31
	.01	.02	.02	.34	.07	0.00	.47	
WSW	0 0.00	1 .15	1 .15	11 1.61	3 .44	0 0.00	16 2.34	5.34
	0.00	.01	.01	.13	.04	0.00	.19	
W	0 0.00	0 0.00	1 .15	5 .73	1 .15	0 0.00	7 1.02	4.39
	0.00	0.00	.01	.06	.01	0.00	.08	
WNW	1 .15	1 .15	1 .15	8 1.17	0 0.00	0 0.00	11 1.61	4.76
	.01	.01	.01	.10	0.00	0.00	.13	
NW	0 0.00	0 0.00	0 0.00	5 .73	1 .15	0 0.00	6 .88	6.16
	0.00	0.00	0.00	.06	.01	0.00	.07	
NNW	0 0.00	0 0.00	0 0.00	6 .88	1 .15	0 0.00	7 1.02	6.20
	0.00	0.00	0.00	.07	.01	0.00	.09	
N	0 0.00	0 0.00	5 .73	7 1.02	6 .88	1 .15	19 2.78	7.05
	0.00	0.00	.06	.08	.07	.01	.22	
CALM	1 .15						1 .15	CALM
	.01						.01	
TOTAL	14 2.04	38 5.55	128 18.69	334 48.76	164 23.94	7 1.02	685 100.00	6.14
	.17	.45	1.53	4.00	1.96	.08	8.20	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: JUNE 1, 1974 THROUGH MAY 31, 1975

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 13.19.37

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 .05	31 .37	90 1.08	169 2.02	125 1.50	60 .72	479 5.73	6.84
NE	7 .08	55 .66	123 1.47	82 .98	16 .19	4 .05	287 3.44	4.58
ENE	6 .07	41 .49	98 1.17	106 1.27	40 .48	1 .01	292 3.49	5.26
E	5 .06	28 .34	67 .80	107 1.28	55 .66	15 .18	277 3.32	6.07
ESE	8 .10	45 .54	95 1.14	156 1.87	84 1.01	36 .43	424 5.07	6.25
SE	7 .08	48 .57	103 1.23	161 1.93	126 1.51	52 .62	497 5.95	6.54
SSE	9 .11	35 .42	145 1.74	270 3.23	224 2.68	84 1.01	767 9.18	6.94
S	10 .12	45 .54	167 2.00	547 6.55	472 5.65	284 3.40	1525 18.25	7.74
SSW	13 .16	41 .49	156 1.87	353 4.23	264 3.16	170 2.03	997 11.93	7.37
SW	9 .11	33 .39	99 1.18	174 2.08	53 .63	45 .54	413 4.94	6.26
WSW	5 .06	25 .42	58 .69	100 1.20	23 .28	13 .16	234 2.80	5.57
W	14 .17	52 .35	71 .85	71 .85	27 .32	18 .22	230 2.75	5.53
WNW	8 .10	25 .30	65 .78	97 1.16	91 1.09	59 .71	345 4.13	7.24
NW	5 .07	26 .31	68 .81	120 1.44	138 1.65	74 .89	432 5.17	7.37
NNW	3 .04	16 .19	55 .66	170 2.03	181 2.17	112 1.34	537 6.43	7.93
N	8 .10	26 .31	72 .86	209 2.50	176 2.11	127 1.52	618 7.40	7.69
CALM	1 .01						1 .01	CALM
TOTAL	123 1.47	559 6.69	1532 18.34	2892 34.61	2095 25.07	1154 13.81	8355 100.00	6.95

NUMBER OF VALID OBSERVATIONS 8355 95.38 PCT
NUMBER OF INVALID OBSERVATIONS 405 4.62 PCT
TOTAL NUMBER OF OBSERVATIONS 8760 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

Rev. 8
2/82

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .33 .01	0 0.00 0.00	1 .33 .01	3 .99 .04	2 .66 .11	0 0.00 0.00	7 2.31 .09	5.26
NE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.64 .03	0 0.00 0.00	0 0.00 0.00	1 1.64 .01	5.80
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	7.30
ESE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.64 .03	0 0.00 0.00	0 0.00 0.00	1 1.64 .01	6.15
SE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.97 .03	0 0.00 0.00	0 0.00 0.00	1 1.97 .01	4.97
SSE	0 0.00 0.00	0 0.00 0.00	2 2.63 .07	1 1.97 .03	0 0.00 0.00	0 0.00 0.00	4 6.61 .14	6.09
S	0 0.00 0.00	0 0.00 0.00	1 1.32 .03	1 1.97 .03	0 0.00 0.00	0 0.00 0.00	2 3.29 .07	7.00
SSW	0 0.00 0.00	0 0.00 0.00	3 3.95 .10	4 7.89 .14	2 3.29 .07	1 1.64 .03	10 16.45 .34	7.33
SW	0 0.00 0.00	0 0.00 0.00	1 1.32 .03	12 23.68 .41	5 8.22 .18	1 1.64 .03	19 31.15 .65	5.20
WSW	0 0.00 0.00	1 1.97 .03	1 1.32 .03	1 1.97 .03	1 1.32 .03	0 0.00 0.00	4 6.56 .14	2.43
W	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5.50
WNW	0 0.00 0.00	0 0.00 0.00	2 2.63 .07	1 1.64 .03	1 1.32 .03	0 0.00 0.00	4 6.56 .14	8.36
NW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9.38
NNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.64 .03	1 1.32 .03	0 0.00 0.00	2 3.29 .07	8.76
N	0 0.00 0.00	0 0.00 0.00	1 1.32 .03	3 4.93 .10	0 0.00 0.00	0 0.00 0.00	4 6.56 .14	9.87
CALM	33 .01	66 .03	33 .01	29 .14	29 .14	25 .12	215 .72	CALM
TOTAL	0 0.00 0.00	2 .17 .06	44 14.47 1.44	106 34.87 3.51	73 24.67 2.42	60 19.74 1.98	304 100.00 10.04	7.41

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	4 1.38 .05	2 .69 .08	1 .35 .03	2 .69 .03	9 3.11 .22	7.01
NE	0 0.00 0.00	0 0.00 0.00	2 .69 .03	1 .35 .01	0 0.00 0.00	0 0.00 0.00	3 1.04 .07	4.17
ENE	0 0.00 0.00	0 0.00 0.00	3 1.04 .04	2 .69 .03	0 0.00 0.00	0 0.00 0.00	5 1.73 .12	4.96
E	0 0.00 0.00	0 0.00 0.00	1 .35 .01	3 1.04 .04	2 .69 .05	0 0.00 0.00	6 2.08 .14	6.52
ESE	0 0.00 0.00	0 0.00 0.00	1 .35 .01	6 2.08 .08	0 0.00 0.00	0 0.00 0.00	7 2.42 .17	5.84
SE	0 0.00 0.00	0 0.00 0.00	1 .35 .01	3 1.04 .04	3 1.04 .07	1 .35 .02	10 3.46 .24	6.93
SSE	0 0.00 0.00	0 0.00 0.00	1 .35 .01	5 1.73 .07	3 1.04 .07	1 .35 .02	10 3.46 .24	5.07
S	0 0.00 0.00	0 0.00 0.00	1 .35 .01	5 1.73 .07	0 0.00 0.00	0 0.00 0.00	6 2.08 .14	7.24
SSW	0 0.00 0.00	0 0.00 0.00	2 .69 .03	6 2.08 .08	4 1.38 .09	4 1.38 .09	16 5.54 .38	7.17
SW	0 0.00 0.00	0 0.00 0.00	2 .69 .03	6 2.08 .08	7 2.42 .17	1 .35 .02	16 5.54 .38	7.14
WSW	0 0.00 0.00	0 0.00 0.00	2 .69 .03	6 2.08 .08	2 .69 .05	1 .35 .02	11 3.81 .26	6.50
W	0 0.00 0.00	0 0.00 0.00	1 .35 .01	1 .35 .01	1 .35 .02	2 .69 .05	5 1.73 .12	5.58
WNW	0 0.00 0.00	0 0.00 0.00	2 .69 .03	3 1.04 .04	1 .35 .02	0 0.00 0.00	6 2.08 .14	4.65
NW	0 0.00 0.00	0 0.00 0.00	1 .35 .01	4 1.38 .05	0 0.00 0.00	0 0.00 0.00	5 1.73 .12	9.00
NNW	0 0.00 0.00	0 0.00 0.00	1 .35 .01	3 1.04 .04	3 1.04 .07	1 .35 .02	8 2.77 .19	7.22
N	0 0.00 0.00	0 0.00 0.00	1 .35 .01	3 1.04 .04	1 .35 .02	2 .69 .05	7 2.42 .17	7.19
CALM	0 0.00 0.00	0 0.00 0.00	2 .69 .03	1 .35 .01	1 .35 .02	1 .35 .02	5 1.73 .12	CALM
TOTAL	0 0.00 0.00	4 .13 .10	25 8.65 1.02	73 25.26 1.91	40 13.84 1.05	40 13.84 .94	289 100.00 7.57	6.80

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	4	4	7	2		18	7.16
	0.00	0.26	1.03	1.03	1.80	0.51	4.63	
	0.00	0.01	0.05	0.05	0.10	0.03	0.25	
NE	0	3	1	1	1	0	6	5.94
	0.000	0.000	0.026	0.009	0.009	0.000	0.052	
	0.000	0.000	0.000	0.000	0.001	0.000	0.001	
ENE	0	0	0	0	1	1	2	7.36
	0.000	0.000	0.000	0.000	0.009	0.009	0.017	
	0.000	0.000	0.000	0.000	0.001	0.001	0.002	
E	1	1	2	7	1	0	12	5.21
	0.09	0.09	0.17	0.60	0.09	0.00	1.03	
	0.00	0.00	0.00	0.01	0.00	0.00	0.01	
ESE	2	2	4	4	1	0	13	4.69
	0.17	0.17	0.34	0.34	0.09	0.00	1.12	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SE	3	3	5	4	2	0	17	5.71
	0.26	0.26	0.43	0.34	0.17	0.00	1.46	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SSE	1	2	2	6	0	0	11	5.96
	0.09	0.17	0.17	0.51	0.00	0.00	0.94	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
S	3	3	5	11	4	0	26	7.48
	0.26	0.26	0.43	0.94	0.34	0.00	2.23	
	0.00	0.00	0.00	0.01	0.00	0.00	0.01	
SSW	3	4	5	11	4	0	27	7.34
	0.26	0.34	0.43	0.94	0.34	0.00	2.31	
	0.00	0.00	0.00	0.01	0.00	0.00	0.01	
SW	2	4	3	7	1	0	17	6.09
	0.17	0.34	0.26	0.60	0.09	0.00	1.46	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WSW	1	3	1	4	1	0	10	6.75
	0.09	0.26	0.09	0.34	0.09	0.00	0.86	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
W	0	2	3	5	1	0	11	5.91
	0.00	0.17	0.26	0.43	0.09	0.00	0.94	
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
WNW	0	0	1	1	0	0	2	4.45
	0.00	0.00	0.09	0.09	0.00	0.00	0.17	
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NW	1	2	2	4	1	0	10	7.75
	0.09	0.17	0.17	0.34	0.09	0.00	0.86	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NNW	1	2	3	6	1	0	13	7.04
	0.09	0.17	0.26	0.51	0.09	0.00	1.12	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
N	3	3	5	11	4	0	26	7.56
	0.26	0.26	0.43	0.94	0.34	0.00	2.23	
	0.00	0.00	0.00	0.01	0.00	0.00	0.01	
CALM	0	0	0	0	0	0	0	CALM
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
TOTAL	25	37	125	95	52	0	389	6.79
	1.29	6.43	22.57	32.13	24.42	13.37	100.00	
	0.07	0.34	1.18	1.70	1.29	0.71	5.30	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	18	50	64	41	27	0	200	6.83
	0.00	1.91	2.45	1.57	1.03	0.00	7.66	
	0.00	0.68	0.87	0.56	0.37	0.00	2.69	
NE	16	56	50	20	7	3	152	5.56
	0.00	2.14	2.03	0.77	0.27	0.11	5.81	
	0.00	0.76	0.68	0.27	0.10	0.04	2.05	
ENE	8	42	56	22	10	5	143	5.69
	0.31	1.61	2.14	0.84	0.38	0.19	5.47	
	0.11	0.57	0.76	0.30	0.14	0.07	1.93	
E	9	37	56	24	9	3	138	5.24
	0.34	1.41	2.14	0.92	0.34	0.11	5.28	
	0.12	0.50	0.76	0.32	0.12	0.04	1.86	
ESE	6	34	41	22	11	4	118	5.70
	0.23	1.30	1.57	0.84	0.42	0.15	4.51	
	0.08	0.46	0.55	0.30	0.15	0.05	1.59	
SE	5	20	39	41	18	10	133	6.33
	0.19	0.76	1.49	1.57	0.69	0.38	5.09	
	0.07	0.27	0.53	0.55	0.24	0.13	1.80	
SSE	2	18	39	56	25	10	150	6.81
	0.08	0.69	1.49	2.14	0.96	0.38	5.74	
	0.03	0.24	0.53	0.76	0.34	0.13	2.03	
S	11	26	42	80	41	25	225	8.19
	0.42	1.00	1.61	3.06	1.57	0.96	8.61	
	0.15	0.35	0.57	1.08	0.55	0.34	3.04	
SSW	11	23	41	77	46	25	223	7.54
	0.42	0.88	1.57	2.95	1.76	0.96	8.53	
	0.15	0.31	0.55	1.04	0.62	0.34	3.01	
SW	8	14	30	49	22	5	128	6.75
	0.31	0.54	1.15	1.87	0.84	0.19	4.90	
	0.11	0.19	0.41	0.66	0.30	0.07	1.73	
WSW	4	9	14	16	5	2	50	6.46
	0.15	0.34	0.54	0.61	0.19	0.08	1.91	
	0.05	0.12	0.19	0.22	0.07	0.03	0.68	
W	4	8	22	36	18	5	93	6.62
	0.15	0.31	0.84	1.38	0.69	0.19	3.56	
	0.05	0.11	0.30	0.49	0.25	0.07	1.27	
WNW	3	9	14	19	7	2	54	7.45
	0.11	0.34	0.54	0.73	0.27	0.08	2.07	
	0.04	0.12	0.19	0.26	0.10	0.03	0.74	
NW	3	11	22	32	14	8	90	8.65
	0.11	0.42	0.84	1.23	0.54	0.31	3.44	
	0.04	0.15	0.30	0.44	0.19	0.11	1.23	
NNW	2	6	21	29	14	7	79	8.44
	0.08	0.23	0.80	1.11	0.54	0.27	3.03	
	0.03	0.08	0.29	0.40	0.19	0.10	1.08	
N	4	15	33	50	22	9	133	8.08
	0.15	0.58	1.26	1.92	0.84	0.35	5.10	
	0.05	0.20	0.45	0.68	0.30	0.12	1.82	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	111	351	551	827	356	181	2614	7.09
	4.25	13.43	21.09	31.64	13.62	6.92	100.00	
	1.52	4.80	7.54	11.31	4.87	2.47	35.75	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

SNUPPS-WC

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	4	14	26	17	12	74	7.05
	05	20	71	1 30	85	60	3 70	
	01	05	19	05	23	16	1 01	
NE	2	14	21	23	7	0	67	4.85
	10	71	1 06	1 16	35	0 000	3 38	
	03	19	06	03	10	0 00	91	
ENE	1	14	29	33	8	6	91	5.89
	05	71	1 45	1 66	40	30	3 78	
	01	15	06	07	08	06	1 02	
E	0 000	8	19	37	32	9	103	6.93
	0 000	57	1 31	1 45	11	08	1 02	
	0 00	06	02	04	03	01	1 00	
ESE	0 000	4	15	27	25	8	77	7.11
	0 000	20	66	1 06	1 25	40	3 68	
	0 00	05	18	03	04	11	1 05	
SE	0 000	2	9	24	24	8	127	6.91
	0 000	25	1 14	2 00	1 89	91	6 40	
	0 00	02	04	06	06	02	1 23	
SSE	0 000	7	20	67	78	45	221	7.91
	0 000	35	1 01	3 08	3 93	2 27	11 14	
	0 00	01	03	11	1 00	01	3 01	
S	0 000	10	30	156	1 00	1 70	342	8.91
	05	55	1 51	7 86	9 17	8 67	27 32	
	01	15	07	2 42	2 48	2 34	9 38	
SSW	1	5	24	4 76	3 98	1 88	207	7.87
	05	25	1 21	4 76	3 98	1 88	11 55	
	01	04	02	11	1 00	05	3 03	
SW	1	5	15	31	82	6	79	6.77
	0 000	25	76	1 56	1 11	300	3 98	
	0 000	03	09	20	08	1 00	1 00	
WSW	0 000	4	1 00	42	17	3	167	6.35
	0 000	15	1 00	86	60	15	2 27	
	0 000	04	14	20	16	04	61	
W	0 000	2	9	11	16	5	43	7.20
	0 000	05	45	59	81	25	2 17	
	0 000	01	06	08	11	03	1 00	
WNW	0 000	3	18	28	18	3	53	6.87
	0 000	20	40	91	1 01	15	2 97	
	0 000	05	11	26	24	04	72	
NW	1	5	14	50	1 24	2	97	7.36
	05	25	50	1 89	1 24	10	3 97	
	01	06	14	20	16	02	78	
NNW	1	1	7	31	33	14	87	7.68
	05	05	35	1 19	1 68	71	4 39	
	01	01	10	04	04	19	1 18	
N	2	4	16	42	45	18	126	8.17
	0 000	05	45	1 61	2 12	91	4 84	
	0 00	01	12	05	06	25	1 31	
CALM	1						1	CALM
	05						05	
	01						01	
TOTAL	4	73	251	663	626	362	1984	7.68
	45	3 68	12 65	33 42	31 55	18 25	100 00	
	12	99	3 42	9 03	8 52	4 93	27 01	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	10	19	7		36	6.26
	0 000	0 000	97	1 84	68	0 000	3 49	
	0 00	0 00	14	26	10	0 00	49	
NE	1	1	7	9	1	0	19	4.33
	05	05	1 82	78	10	0 000	3 10	
	01	01	25	11	01	0 00	44	
ENE	1	1	4	13	7	1	27	6.16
	10	10	39	1 58	68	01	2 96	
	01	01	05	18	10	01	37	
E	2	1	9	33	19	2	64	6.44
	18	10	88	3 20	1 84	19	6 21	
	03	01	14	46	26	03	87	
ESE	2	2	11	26	20	6	87	6.19
	19	19	1 06	2 51	1 94	58	8 47	
	03	03	15	36	28	08	1 23	
SE	1	2	16	39	25	10	102	6.25
	10	19	1 54	3 77	2 42	97	9 89	
	01	03	22	54	35	14	1 49	
SSE	1	2	8	33	40	27	111	6.87
	10	19	77	3 19	3 88	2 62	10 77	
	01	03	11	46	58	39	1 61	
S	0 000	3	16	54	99	55	167	5.56
	0 000	29	1 55	5 24	9 60	5 34	16 14	
	0 00	04	23	79	1 44	80	2 42	
SSW	1	3	10	30	57	22	123	7.36
	10	29	97	2 91	5 52	2 13	11 95	
	01	04	14	44	83	32	1 78	
SW	1	2	12	40	30	9	94	5.22
	10	19	1 16	3 88	2 91	87	9 12	
	01	03	17	60	45	13	1 41	
WSW	1	4	10	18	10	0	54	5.89
	10	39	97	1 74	97	0 000	5 24	
	01	06	14	27	15	0 000	81	
W	0	2	10	29	15	1	57	6.09
	0 000	19	97	2 81	1 46	10	5 53	
	0 000	03	14	43	22	01	85	
WNW	1	1	1	20	19	1	42	7.06
	10	10	10	1 94	1 84	0 000	4 07	
	01	01	01	30	28	0 000	63	
NW	1	1	2	23	28	1	60	7.23
	05	05	10	1 16	1 45	05	3 02	
	01	01	03	35	43	01	1 33	
NNW	1	1	3	17	17	5	44	6.68
	10	10	29	1 65	1 65	48	4 27	
	01	01	04	25	25	07	1 02	
N	2	2	7	17	17	4	47	6.92
	0 000	19	68	1 65	1 65	39	4 56	
	0 00	03	10	25	25	06	1 02	
CALM	1						1	CALM
	10						10	
	01						01	
TOTAL	13	41	171	475	288	43	1031	6.50
	1 26	3 98	16 59	46 07	27 93	4 17	100 00	
	18	56	2 33	6 47	3 92	59	14 04	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-30

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS (60.00 METERS)

(ANNUAL)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 14 01	3 41 04	8 109 11	17 232 20	7 95 10	1 14 01	37 504 50	5.86
NE	0 0.00 0.00	3 41 04	9 95 09	12 232 20	2 25 03	1 14 01	27 408 71	4.85
ENE	1 14 01	1 14 01	7 95 10	10 177 18	1 136 14	1 14 01	33 450 459	6.36
E	0 0.00 0.00	0 0.00 0.00	9 68 07	17 232 30	2 232 23	0 0.00 0.00	30 551 53	6.93
ESE	0 0.00 0.00	2 27 03	8 109 11	14 187 24	1 95 10	1 14 01	26 356 379	6.74
SE	1 14 01	2 27 03	8 109 11	14 599 60	3 277 33	0 0.00 0.00	28 1076 1108	6.57
SSE	0 0.00 0.00	3 41 04	17 232 22	31 455 43	2 185 17	3 41 04	56 967 971	6.50
S	0 0.00 0.00	2 27 03	9 123 12	13 450 43	3 395 39	1 14 01	28 1008 1001	6.97
SSW	0 0.00 0.00	1 14 01	12 163 15	27 450 45	3 395 39	1 14 01	44 1065 1088	6.37
SW	1 14 01	6 82 08	13 177 18	30 411 40	2 259 26	1 14 01	53 959 999	4.77
WSW	1 14 01	3 41 04	4 54 05	7 95 10	0 68 07	0 0.00 0.00	15 300 297	5.61
W	1 14 01	6 82 08	13 177 18	12 163 16	4 54 05	0 0.00 0.00	36 490 499	4.81
WNW	0 0.00 0.00	3 41 04	9 68 09	19 259 25	1 123 12	0 0.00 0.00	32 496 496	6.17
NW	0 0.00 0.00	0 0.00 0.00	14 191 19	19 259 25	16 218 21	1 14 01	48 654 655	6.41
NNW	0 0.00 0.00	2 27 03	8 109 08	15 204 20	7 95 10	0 0.00 0.00	32 409 411	5.81
N	2 27 03	2 27 03	8 109 11	7 95 10	1 136 14	0 0.00 0.00	20 395 397	5.57
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	8 1.09 11	39 5.31 53	171 23.30 2.33	306 41.69 4.17	200 27.25 2.72	10 1.36 14	734 100.00 9.99	6.17

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: MARCH 5, 1979 THROUGH MARCH 4, 1980

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/04/81 14.42.25

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3 04	26 35	91 1.24	139 1.89	91 1.24	47 64	397 5.41	6.69
NE	5 07	27 .50	134 1.82	108 1.47	31 42	8 11	323 4.40	5.15
ENE	2 03	28 38	81 1.10	123 1.67	57 78	13 18	304 4.14	5.88
E	4 05	25 34	81 1.10	151 2.06	90 1.23	14 19	365 4.97	6.16
ESE	2 03	26 35	74 1.01	122 1.66	82 1.12	16 22	322 4.38	6.29
SE	4 05	24 33	104 1.42	205 2.79	104 1.42	40 54	481 6.55	6.46
SSE	0 0.00	33 45	101 1.38	237 3.23	173 2.36	84 1.14	628 8.55	7.09
S	4 05	43 59	137 1.87	473 6.44	372 5.06	333 4.53	1362 18.54	8.07
SSW	3 04	27 37	102 1.39	322 4.38	230 3.13	132 1.80	816 11.11	7.49
SW	4 05	42 57	82 1.12	87 1.18	69 94	33 45	317 4.32	6.31
WSW	2 03	20 27	50 68	56 76	47 64	19 26	194 2.64	6.19
W	4 05	29 39	84 1.14	107 1.46	79 1.08	25 34	328 4.47	6.24
WNW	2 03	20 27	34 46	77 1.05	69 94	22 30	224 3.05	6.84
NW	3 04	11 15	43 59	84 1.14	107 1.46	51 69	299 4.07	7.74
NNW	6 08	13 18	50 68	154 2.10	128 1.74	101 1.38	452 6.15	7.82
N	4 05	15 20	72 98	153 2.08	177 2.41	110 1.50	531 7.23	7.86
CALM	2 03						2 03	CALM
TOTAL	54 74	419 5.70	1320 17.97	2598 35.37	1906 25.95	1048 14.27	7345 100.00	7.06

NUMBER OF VALID OBSERVATIONS: 7345 83.62 PCT
NUMBER OF INVALID OBSERVATIONS: 1439 16.38 PCT
TOTAL NUMBER OF OBSERVATIONS: 8784 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-31

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:02:03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 2.90 .10	1 1.45 .05	1 1.45 .05	3 4.35 .15	0 0.00 0.00	0 0.00 0.00	7 10.14 .35	3.46
NE	0 0.00 0.00	1 1.45 .05	1 1.45 .05	2 2.90 .10	0 0.00 0.00	0 0.00 0.00	4 5.80 .20	4.17
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	4.30
ESE	0 0.00 0.00	4 5.80 .20	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5 7.25 .25	3.02
SE	0 0.00 0.00	2 2.90 .10	1 1.45 .05	3 4.35 .15	0 0.00 0.00	0 0.00 0.00	6 8.70 .30	4.48
SSE	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	2 2.90 .10	5.05
S	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 8.70 .30	0 0.00 0.00	6 8.70 .30	8.53
SSW	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	2 2.90 .10	5.35
SW	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	2 2.90 .10	5.30
WSW	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	2 2.90 .10	4.90
W	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
WNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 4.35 .15	0 0.00 0.00	0 0.00 0.00	3 4.35 .15	6.87
NW	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	4 5.80 .20	3 4.35 .15	0 0.00 0.00	8 11.59 .40	7.04
NNW	0 0.00 0.00	2 2.90 .10	2 2.90 .10	2 2.90 .10	9 13.04 .45	0 0.00 0.00	15 21.74 .75	6.96
N	2 2.90 .10	0 0.00 0.00	2 2.90 .10	2 2.90 .10	0 0.00 0.00	0 0.00 0.00	6 8.70 .30	3.68
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	7 7.29 .25	17 17.39 .60	11 15.94 .55	20 28.99 1.00	21 30.43 1.05	0 0.00 0.00	69 100.00 3.45	5.55

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:02:03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 .98 .05	3 2.94 .15	3 2.94 .15	1 .98 .05	0 0.00 0.00	8 7.84 .40	4.87
NE	0 0.00 0.00	6 5.88 .30	15 14.71 .75	4 3.92 .20	0 0.00 0.00	0 0.00 0.00	25 24.51 1.25	3.92
ENE	0 0.00 0.00	0 0.00 0.00	2 1.96 .10	2 1.96 .10	0 0.00 0.00	0 0.00 0.00	4 3.92 .20	4.77
E	0 0.00 0.00	0 0.00 0.00	2 1.96 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.96 .10	3.95
ESE	0 0.00 0.00	0 0.00 0.00	4 3.92 .20	1 .98 .05	0 0.00 0.00	0 0.00 0.00	5 4.90 .25	4.12
SE	0 0.00 0.00	2 1.96 .10	2 1.96 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 3.92 .20	3.45
SSE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
S	0 0.00 0.00	0 0.00 0.00	1 .98 .05	1 .98 .05	0 0.00 0.00	0 0.00 0.00	2 1.96 .10	5.30
SSW	1 .98 .05	0 0.00 0.00	1 .98 .05	2 1.96 .10	1 .98 .05	0 0.00 0.00	5 4.90 .25	5.32
SW	0 0.00 0.00	1 .98 .05	0 0.00 0.00	1 .98 .05	0 0.00 0.00	0 0.00 0.00	2 1.96 .10	3.75
WSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .98 .05	0 0.00 0.00	0 0.00 0.00	1 .98 .05	5.30
W	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.96 .10	1 .98 .05	0 0.00 0.00	3 2.94 .15	5.22
WNW	0 0.00 0.00	0 0.00 0.00	1 .98 .05	1 .98 .05	1 .98 .05	0 0.00 0.00	3 2.94 .15	5.67
NW	0 0.00 0.00	1 .98 .05	3 2.94 .15	4 3.90 .25	0 0.00 0.00	1 .98 .05	9 8.80 .50	7.20
NNW	0 0.00 0.00	0 0.00 0.00	1 .98 .05	1 .98 .05	3 2.94 .15	0 0.00 0.00	4 3.90 .20	6.26
N	0 0.00 0.00	1 1.96 .10	1 .98 .05	8 8.82 .45	3 2.94 .15	0 0.00 0.00	14 13.73 .75	4.56
CALM	0 0.00 0.00	4 3.92 .20	3 2.94 .15	1 .98 .05	2 1.96 .10	0 0.00 0.00	10 9.80 .50	CALM
TOTAL	1 .98 .05	17 16.67 .85	40 39.22 2.00	32 31.37 1.60	11 10.78 .55	1 .98 .05	102 100.00 5.10	4.92

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.02.03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	8	3	3	0	14	5.57
	0.00	0.00	5.84	2.19	2.19	0.00	10.22	
	0.00	0.00	.40	.15	.15	0.00	.70	
NE	0	0	4	2	1	0	7	3.37
	0.00	2.92	1.46	.73	0.00	0.00	5.11	
	0.00	.20	.10	.05	0.00	0.00	.35	
ENE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E	0	0	4	0	0	0	4	.12
	0.00	0.00	2.92	0.00	0.00	0.00	2.92	
	0.00	0.00	.20	0.00	0.00	0.00	.20	
ESE	0	1	1	0	0	0	2	3.60
	0.00	.73	.73	0.00	0.00	0.00	1.46	
	0.00	.05	.05	0.00	0.00	0.00	.10	
SE	1	0	0	1	0	0	2	3.95
	.73	0.00	0.00	.73	0.00	0.00	1.46	
	.05	0.00	0.00	.05	0.00	0.00	.10	
SSE	0	1	1	2	0	0	4	4.25
	0.00	.73	.73	1.46	0.00	0.00	2.92	
	0.00	.05	.05	.10	0.00	0.00	.20	
S	0	0	2	4	3	0	9	6.54
	0.00	0.00	1.46	2.92	2.19	0.00	6.57	
	0.00	0.00	.10	.20	.15	0.00	.45	
SSW	0	0	2	8	3	1	14	6.99
	0.00	0.00	1.46	5.84	2.19	.73	10.22	
	0.00	0.00	.10	.40	.15	.05	.70	
SW	0	0	1	2	0	0	3	5.80
	0.00	0.00	.73	1.46	0.00	0.00	2.19	
	0.00	0.00	.05	.10	0.00	0.00	.15	
WSW	1	4	1	0	0	0	6	2.33
	.73	2.92	.73	0.00	0.00	0.00	4.38	
	.05	.20	.05	0.00	0.00	0.00	.30	
W	0	3	5	0	0	0	8	3.26
	0.00	2.19	3.65	0.00	0.00	0.00	5.84	
	0.00	.15	.25	0.00	0.00	0.00	.40	
WNW	1	2	3	2	1	0	14	5.21
	.73	1.46	2.19	1.46	.73	0.00	10.22	
	.05	.10	.15	.10	.05	0.00	.70	
NW	0	0	1	4	3	1	13	8.05
	0.00	0.00	.73	2.92	2.19	.73	10.95	
	0.00	0.00	.05	.20	.15	.05	.75	
NNW	0	0	5	7	3	2	17	5.92
	0.00	0.00	3.65	5.11	2.19	1.46	12.41	
	0.00	0.00	.25	.35	.15	.10	.85	
N	0	0	2	12	4	0	18	6.53
	0.00	0.00	1.46	8.76	2.92	0.00	13.14	
	0.00	0.00	.10	.60	.20	0.00	.90	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	15	39	54	19	7	137	5.67
	2.19	10.95	28.47	39.42	13.87	5.11	100.00	
	.15	.75	1.95	2.70	.95	.35	6.85	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.02.03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	5	14	31	29	10	0	89	4.66
	.63	1.76	3.90	3.65	1.26	0.00	11.19	
	.25	.70	1.55	1.45	.50	0.00	4.45	
NE	3	12	29	14	9	0	67	4.67
	.38	1.51	3.65	1.76	1.13	0.00	8.43	
	.15	.60	1.45	.70	.45	0.00	3.35	
ENE	1	9	15	4	0	0	29	3.04
	.13	1.13	1.89	.50	0.00	0.00	3.78	
	.05	.45	.75	.20	0.00	0.00	1.90	
E	2	8	16	8	0	0	38	3.60
	.25	1.01	2.01	1.01	0.00	0.00	4.78	
	.10	.40	.80	.40	0.00	0.00	1.90	
ESE	1	9	9	5	0	0	24	4.07
	.13	1.13	1.13	.63	0.00	0.00	3.02	
	.05	.45	.45	.25	0.00	0.00	1.20	
SE	1	3	5	4	0	0	13	4.18
	.13	.38	.63	.50	0.00	0.00	1.64	
	.05	.15	.25	.20	0.00	0.00	.65	
SSE	1	4	7	10	2	0	32	4.71
	.13	.50	.88	1.26	.25	0.00	4.03	
	.05	.20	.35	.50	.10	0.00	1.60	
S	3	7	23	39	11	3	86	6.22
	.38	.88	2.89	4.92	1.39	.38	10.82	
	.15	.35	1.15	1.95	.55	.15	4.30	
SSW	3	6	13	9	3	1	39	5.88
	.38	.75	1.64	1.13	.38	.13	4.91	
	.15	.30	.65	.45	.15	.05	1.95	
SW	3	11	7	5	2	0	28	3.64
	.38	1.38	.88	.63	.25	0.00	3.52	
	.15	.55	.35	.25	.10	0.00	1.40	
WSW	3	10	15	4	0	0	32	3.37
	.38	1.26	1.89	.50	0.00	0.00	4.03	
	.15	.50	.75	.20	0.00	0.00	1.60	
W	3	12	21	7	0	0	43	3.57
	.38	1.51	2.64	.88	0.00	0.00	5.41	
	.15	.60	1.05	.35	0.00	0.00	2.15	
WNW	3	9	11	19	10	0	52	5.34
	.38	1.13	1.38	2.39	1.26	0.00	6.54	
	.15	.45	.55	.95	.50	0.00	2.60	
NW	0	3	2	3	1	2	11	5.97
	0.00	.38	.25	.38	.13	.25	1.39	
	0.00	.15	.10	.15	.05	.10	.55	
NNW	2	5	12	9	3	0	31	5.79
	.25	.63	1.51	1.13	.38	0.00	3.91	
	.10	.25	.60	.45	.15	0.00	1.55	
N	4	13	34	38	11	4	104	5.24
	.50	1.63	4.28	4.79	1.39	.50	13.13	
	.20	.80	1.70	1.90	.55	.20	5.20	
CALM	4						4	CALM
	.50						.50	
	.20						.20	
TOTAL	40	129	269	226	108	20	792	4.87
	5.05	16.29	33.96	28.53	13.64	2.52	100.00	
	2.00	6.45	13.44	11.29	5.40	1.00	39.73	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:02:03.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	8	7	1	0	0	16	3.19
	0.00	1.66	1.45	.21	0.00	0.00	3.31	
	0.00	4.57	3.95	.05	0.00	0.00	8.58	
NE	0	13	7	1	0	0	21	3.12
	4.17	2.69	2.48	.21	0.00	0.00	5.56	
	10	65	60	.05	0.00	0.00	1.40	
ENE	0	8	9	1	0	0	18	3.34
	0.00	1.66	1.86	.21	0.00	0.00	3.73	
	0.00	4.00	4.50	.05	0.00	0.00	9.00	
E	0	6	9	6	1	0	22	4.27
	.21	1.24	1.86	1.24	.21	0.00	4.76	
	.05	.30	.45	.30	.05	0.00	1.15	
ESE	1	9	6	3	0	0	19	3.46
	.21	1.86	1.24	.62	0.00	0.00	3.93	
	.05	.45	.30	.15	0.00	0.00	.95	
SE	3	5	7	1	0	0	16	3.93
	.62	1.04	1.45	.21	0.00	0.00	3.31	
	.15	.25	.35	.05	0.00	0.00	.80	
SSE	1	4	6	4	1	0	16	4.67
	.21	.83	1.24	.83	.21	0.00	3.31	
	.05	.20	.30	.20	.05	0.00	.80	
S	2	10	5	4	2	0	23	5.36
	.41	2.07	1.03	.83	.41	0.00	4.76	
	.10	.50	.25	.20	.10	0.00	1.15	
SSW	1	14	9	7	1	0	32	6.15
	.21	2.90	1.86	1.45	.21	0.00	6.63	
	.05	.70	.45	.35	.05	0.00	1.60	
SW	0	6	9	14	9	4	42	8.03
	0.00	1.24	1.86	2.90	1.86	.83	8.70	
	0.00	.30	.45	.70	.45	.20	2.10	
WSW	0	7	4	7	0	0	18	3.03
	0.00	1.45	.83	1.45	0.00	0.00	3.73	
	0.00	.35	.20	.35	0.00	0.00	.90	
W	1	6	3	5	0	0	15	3.20
	.21	1.24	.62	1.04	0.00	0.00	3.11	
	.05	.30	.15	.25	0.00	0.00	.75	
WNW	0	10	9	1	0	0	20	4.15
	0.00	2.07	1.86	.21	0.00	0.00	4.15	
	0.00	.50	.40	.05	0.00	0.00	1.00	
NW	0	14	15	8	0	0	37	3.65
	0.00	2.90	3.11	1.66	0.00	0.00	7.66	
	0.00	.70	.75	.40	0.00	0.00	1.85	
NNW	2	4	19	5	1	0	30	3.78
	.62	.83	3.93	1.04	.21	0.00	6.21	
	.15	.20	.95	.25	.05	0.00	1.50	
NNW	0	14	7	6	0	0	27	3.64
	0.00	2.90	1.45	1.24	0.00	0.00	5.59	
	0.00	.70	.35	.30	0.00	0.00	1.35	
N	1	8	8	4	1	0	22	3.88
	.21	1.66	1.66	.83	.21	0.00	4.55	
	.05	.40	.40	.20	.05	0.00	1.10	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	18	139	170	125	22	9	483	4.30
	3.73	28.78	35.20	25.88	4.55	1.86	100.00	
	.90	6.95	8.50	6.25	1.10	.45	24.14	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:02:03.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	3	2	0	0	0	5	2.86
	0.00	1.11	.74	0.00	0.00	0.00	1.85	
	0.00	.15	.10	0.00	0.00	0.00	.25	
NE	2	3	0	0	0	0	5	2.30
	.74	1.11	0.00	0.00	0.00	0.00	1.85	
	.10	.15	0.00	0.00	0.00	0.00	.25	
ENE	1	0	0	0	0	0	1	1.86
	.37	0.00	0.00	0.00	0.00	0.00	.37	
	.05	0.00	0.00	0.00	0.00	0.00	.05	
E	4	6	2	0	0	0	12	3.46
	1.48	2.22	.74	0.00	0.00	0.00	4.44	
	.20	.30	.10	0.00	0.00	0.00	.60	
ESE	0	2	1	1	0	0	4	3.68
	0.00	.74	.37	.37	0.00	0.00	1.48	
	0.00	.10	.05	.05	0.00	0.00	.20	
SE	1	3	2	1	0	0	7	2.70
	.37	1.11	.74	.37	0.00	0.00	2.59	
	.05	.15	.10	.05	0.00	0.00	.35	
SSE	2	5	2	0	0	0	9	3.39
	.74	1.85	.74	0.00	0.00	0.00	3.33	
	.10	.25	.10	0.00	0.00	0.00	.45	
S	1	9	7	4	0	0	21	3.68
	.37	3.32	2.59	1.48	0.00	0.00	7.77	
	.05	.45	.35	.20	0.00	0.00	1.05	
SSW	0	8	9	4	0	0	21	3.80
	0.00	2.95	3.32	1.48	0.00	0.00	7.77	
	0.00	.40	.45	.20	0.00	0.00	1.05	
SW	0	9	5	3	0	0	17	2.45
	0.00	3.32	1.85	1.11	0.00	0.00	6.30	
	0.00	.45	.25	.15	0.00	0.00	.85	
WSW	2	3	1	0	0	0	6	2.66
	.74	1.11	.37	0.00	0.00	0.00	2.22	
	.10	.15	.05	0.00	0.00	0.00	.30	
W	2	4	4	0	0	0	10	3.19
	.74	1.48	1.48	0.00	0.00	0.00	3.69	
	.10	.20	.20	0.00	0.00	0.00	.50	
WNW	2	7	5	3	0	0	17	
	.74	3.32	2.59	1.11	0.00	0.00	7.75	
	.10	.45	.35	.15	0.00	0.00	1.05	
NW	1	11	6	0	0	0	18	64
	.37	4.06	2.21	0.00	0.00	0.00	6.64	
	.05	.55	.30	0.00	0.00	0.00	.90	
NW	0	7	7	3	0	0	17	2.69
	0.00	6.27	2.58	1.11	0.00	0.00	8.86	
	0.00	.85	.35	.15	0.00	0.00	1.20	
NNW	1	4	3	0	0	0	11	2.74
	.74	1.48	1.85	0.00	0.00	0.00	4.06	
	.10	.20	.25	0.00	0.00	0.00	.55	
N	1	3	4	0	0	0	8	3.41
	.37	.74	1.85	0.00	0.00	0.00	2.95	
	.05	.10	.25	0.00	0.00	0.00	.40	
CALM	1						1	CALM
	.37						.37	
	.05						.05	
TOTAL	27	114	119	17	0	0	271	3.09
	9.96	42.07	43.91	6.27	0.00	0.00	100.00	
	1.35	5.70	5.95	.85	0.00	0.00	13.54	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:02:03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 1.39	11 7.64	3 2.08	0 0.00	0 0.00	0 0.00	16 11.11	2.54
NE	1 .69	4 2.78	0 0.00	0 0.00	0 0.00	0 0.00	5 3.47	3.22
ENE	1 .69	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 .69	1.55
E	3 2.08	4 2.78	0 0.00	0 0.00	0 0.00	0 0.00	7 4.86	2.37
ESE	0 0.00	4 2.78	0 0.00	0 0.00	0 0.00	0 0.00	4 2.78	2.45
SE	3 2.08	6 4.17	0 0.00	0 0.00	0 0.00	0 0.00	9 6.25	2.51
SSE	2 1.39	8 5.56	0 0.00	0 0.00	0 0.00	0 0.00	10 6.94	2.74
S	5 3.47	6 4.17	0 0.00	0 0.00	0 0.00	0 0.00	11 7.64	2.60
SSW	2 1.39	3 2.08	0 0.00	0 0.00	0 0.00	0 0.00	5 3.47	2.49
SW	0 0.00	1 .69	0 0.00	0 0.00	0 0.00	0 0.00	1 .69	2.55
WSW	2 1.39	2 1.39	0 0.00	0 0.00	0 0.00	0 0.00	4 2.78	1.85
W	1 .69	2 1.39	0 0.00	0 0.00	0 0.00	0 0.00	3 2.08	2.17
WNW	3 2.08	2 1.39	0 0.00	0 0.00	0 0.00	0 0.00	5 3.47	1.36
NW	1 .69	4 2.78	1 .69	0 0.00	0 0.00	0 0.00	6 4.17	2.18
NNW	0 0.00	4 2.78	5 3.47	0 0.00	0 0.00	0 0.00	9 6.25	2.93
N	1 .69	5 3.47	0 0.00	0 0.00	0 0.00	0 0.00	6 4.17	2.03
CALM	1 .69						1 .69	CALM
TOTAL	28 19.44	75 52.08	41 28.47	0 0.00	0 0.00	0 0.00	144 100.00	2.48
	1.40	3.75	2.05	0.00	0.00	0.00	7.20	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:02:03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	9 .45	38 1.90	55 2.75	39 1.95	14 .70	0 0.00	155 7.75	4.27
NE	8 .40	44 2.20	66 3.30	22 1.10	9 .45	0 0.00	149 7.45	3.93
ENE	15 .75	25 1.25	26 1.30	7 .35	0 0.00	0 0.00	73 3.65	2.99
E	10 .50	22 1.10	41 2.05	16 .80	1 .05	0 0.00	90 4.50	3.67
ESE	3 .15	20 1.00	23 1.15	10 .50	0 0.00	0 0.00	56 2.80	3.61
SE	10 .50	27 1.35	28 1.40	15 .75	0 0.00	0 0.00	80 4.00	3.43
SSE	5 .25	34 1.70	71 3.55	38 1.90	3 .15	0 0.00	151 7.55	4.14
S	8 .40	38 1.90	87 4.35	67 3.35	45 2.25	6 .30	251 12.54	5.30
SSW	7 .35	26 1.30	37 1.85	42 2.10	21 1.05	10 .50	143 7.15	5.36
SW	8 .40	21 1.55	16 .80	11 .55	2 .15	0 0.00	69 3.45	3.35
WSW	9 .45	27 1.35	23 1.15	7 .35	1 .05	0 0.00	67 3.35	3.12
W	6 .30	26 1.80	37 1.85	19 .95	2 .10	0 0.00	100 5.00	3.61
WNW	8 .40	39 1.95	38 1.90	42 2.10	11 .55	1 .05	139 6.95	4.44
NW	4 .20	28 1.40	49 2.45	40 2.00	23 1.15	5 .25	149 7.45	5.16
NNW	4 .20	31 1.55	38 1.90	42 2.10	24 1.20	4 .20	143 7.15	5.16
N	9 .45	35 1.75	54 2.70	57 2.85	24 1.20	1 .05	180 9.00	4.93
CALM	6 .30						6 .30	CALM
TOTAL	139 6.95	501 25.04	689 34.43	474 23.69	181 9.05	27 1.35	2001 100.00	4.40

NUMBER OF VALID OBSERVATIONS: 2001 — 89.65 PCT
NUMBER OF INVALID OBSERVATIONS: 231 — 10.35 PCT
TOTAL NUMBER OF OBSERVATIONS: 2232 — 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.33.48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO.: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 1.01 05	2 2.02 11	1 1.01 05	3 3.03 16	0 0.00 0.00	7 7.07 38	6.07
NE	1 1.01 05	1 1.01 05	0 0.00 0.00	0 0.00 0.00	5 5.05 27	0 0.00 0.00	7 7.07 38	6.46
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	0 0.00 0.00	2 2.02 11	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.02 11	2.65
ESE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
SE	1 1.01 05	1 1.01 05	0 0.00 0.00	2 2.02 11	0 0.00 0.00	2 2.02 11	6 6.06 32	6.02
SSE	0 0.00 0.00	1 1.01 05	2 2.02 11	2 2.02 11	0 0.00 0.00	2 2.02 11	7 7.07 38	6.81
S	0 0.00 0.00	1 1.01 05	2 2.02 11	0 0.00 0.00	3 3.03 16	3 3.03 16	9 9.09 49	7.89
SSW	1 1.01 05	1 1.01 05	0 0.00 0.00	1 1.01 05	0 0.00 0.00	0 0.00 0.00	3 3.03 16	3.53
SW	3 3.03 16	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.02 11	1 1.01 05	6 6.06 32	5.15
WSW	1 1.01 05	3 3.03 16	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 4.04 22	1.95
W	0 0.00 0.00	1 1.01 05	2 2.02 11	3 3.03 16	0 0.00 0.00	0 0.00 0.00	6 6.06 32	4.68
WNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.01 05	0 0.00 0.00	1 1.01 05	7.80
NW	0 0.00 0.00	0 0.00 0.00	2 2.02 11	4 4.04 22	2 2.02 11	0 0.00 0.00	8 8.08 43	6.11
NNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5 5.05 27	11 11.11 59	2 2.02 11	18 18.18 97	8.66
N	0 0.00 0.00	0 0.00 0.00	2 2.02 11	9 9.09 49	1 1.01 05	3 3.03 16	15 15.15 81	7.03
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	7 7.07 38	12 12.12 65	12 12.12 65	27 27.27 1.46	28 28.28 1.51	13 13.13 .70	99 100.00 5.35	6.50

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.33.48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO.: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	2 2.13 11	4 4.26 22	0 0.00 0.00	3 3.19 16	2 2.13 11	11 11.70 59	6.15
NE	0 0.00 0.00	0 0.00 0.00	2 2.13 11	0 0.00 0.00	1 1.06 05	0 0.00 0.00	3 3.19 16	5.00
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	1 1.06 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.06 05	1.40
ESE	0 0.00 0.00	2 2.13 11	1 1.06 05	1 1.06 05	1 1.06 05	0 0.00 0.00	5 5.32 27	4.38
SE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
SSE	0 0.00 0.00	0 0.00 0.00	1 1.06 05	1 1.06 05	0 0.00 0.00	0 0.00 0.00	2 2.13 11	6.20
S	0 0.00 0.00	0 0.00 0.00	1 1.06 05	0 0.00 0.00	1 1.06 05	0 0.00 0.00	2 2.13 11	5.80
SSW	0 0.00 0.00	1 1.06 05	0 0.00 0.00	0 0.00 0.00	1 1.06 05	0 0.00 0.00	2 2.13 11	6.04
SW	0 0.00 0.00	1 1.06 05	6 6.38 32	4 4.26 22	4 4.26 22	0 0.00 0.00	15 15.96 81	6.60
WSW	0 0.00 0.00	0 0.00 0.00	3 3.19 16	1 1.06 05	2 2.13 11	1 1.06 05	7 7.45 38	4.86
W	0 0.00 0.00	1 1.06 05	2 2.13 11	1 1.06 05	1 1.06 05	0 0.00 0.00	5 5.32 27	4.08
WNW	1 1.06 05	0 0.00 0.00	2 2.13 11	2 2.13 11	0 0.00 0.00	0 0.00 0.00	5 5.32 27	5.78
NW	0 0.00 0.00	1 1.06 05	1 1.06 05	3 3.19 16	0 0.00 0.00	0 0.00 0.00	5 5.32 27	6.73
NNW	0 0.00 0.00	1 1.06 05	0 0.00 0.00	6 6.38 32	3 3.19 16	0 0.00 0.00	10 10.64 54	7.47
N	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 6.38 32	5 5.32 27	1 1.06 05	12 12.77 65	6.95
CALM	0 0.00 0.00	0 0.00 0.00	3 3.19 16	5 5.32 27	1 1.06 05	2 2.13 11	11 11.70 59	CALM
TOTAL	2 2.13 11	8 8.51 43	26 27.66 1.40	30 31.91 1.62	22 23.40 1.19	6 6.38 32	94 100.00 5.08	6.10

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.33.48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	1	0	2	0	4	5.80
	0.00	0.85	0.85	0.00	1.69	0.00	3.39	
	0.00	0.05	0.05	0.00	0.11	0.00	0.22	
NE	0	3	2	0	1	0	6	3.78
	0.00	2.54	1.69	0.00	0.85	0.00	5.08	
	0.00	0.16	0.11	0.00	0.05	0.00	0.32	
ENE	0	0	3	3	0	0	6	5.52
	0.00	0.00	2.54	2.54	0.00	0.00	5.08	
	0.00	0.00	0.16	0.16	0.00	0.00	0.32	
E	0	1	0	0	0	0	1	2.80
	0.00	0.85	0.00	0.00	0.00	0.00	0.85	
	0.00	0.05	0.00	0.00	0.00	0.00	0.05	
ESE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SE	0	0	1	0	0	0	1	4.50
	0.00	0.00	0.85	0.00	0.00	0.00	0.85	
	0.00	0.00	0.05	0.00	0.00	0.00	0.05	
SSE	0	0	2	1	0	1	4	6.24
	0.00	0.00	1.69	0.85	0.00	0.85	3.39	
	0.00	0.00	0.11	0.05	0.00	0.05	0.22	
S	0	0	2	2	1	1	6	6.17
	0.00	0.00	1.69	1.69	0.85	0.85	5.08	
	0.00	0.00	0.11	0.11	0.05	0.05	0.32	
SSW	0	1	2	3	1	0	7	5.76
	0.00	0.85	1.69	2.54	0.85	0.00	5.93	
	0.00	0.05	0.11	0.16	0.05	0.00	0.37	
SW	0	1	5	3	5	1	15	6.95
	0.00	0.85	4.24	2.54	4.24	0.85	12.71	
	0.00	0.05	0.26	0.16	0.26	0.05	0.79	
WSW	0	0	2	1	0	0	3	4.55
	0.00	0.00	1.69	0.85	0.00	0.00	2.54	
	0.00	0.00	0.11	0.05	0.00	0.00	0.16	
W	0	0	3	1	0	0	4	3.59
	0.00	0.00	2.54	0.85	0.00	0.00	3.39	
	0.00	0.00	0.16	0.05	0.00	0.00	0.21	
WNW	0	0	1	1	0	0	2	6.36
	0.00	0.00	0.85	0.85	0.00	0.00	1.69	
	0.00	0.00	0.05	0.05	0.00	0.00	0.11	
NW	0	0	3	1	1	0	5	6.79
	0.00	0.00	2.54	0.85	0.85	0.00	4.24	
	0.00	0.00	0.16	0.05	0.05	0.00	0.26	
NNW	0	0	2	1	1	0	4	6.30
	0.00	0.00	1.69	0.85	0.85	0.00	3.39	
	0.00	0.00	0.11	0.05	0.05	0.00	0.21	
N	0	2	5	1	1	0	9	6.14
	0.00	1.69	4.24	0.85	0.85	0.00	7.63	
	0.00	0.11	0.26	0.05	0.05	0.00	0.47	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	1	11	40	39	22	5	118	5.73
	0.85	9.32	33.90	33.05	18.64	4.24	100.00	
	0.05	0.59	2.16	2.11	1.19	0.27	6.37	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.33.48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2	16	34	18	3	1	74	4.24
	1.92	4.09	2.16	1.36	0.19	8.89		
	0.11	0.86	1.84	0.97	0.16	0.05	4.00	
NE	2	13	20	10	4	2	51	4.58
	0.24	1.56	2.40	1.20	0.48	0.24	6.13	
	0.11	0.70	1.08	0.54	0.22	0.11	2.76	
ENE	1	7	17	18	5	0	48	4.93
	0.12	0.84	2.04	2.16	0.60	0.00	5.77	
	0.05	0.38	0.92	0.97	0.27	0.00	2.59	
E	1	5	9	10	2	0	27	4.25
	0.12	0.60	1.08	1.20	0.24	0.00	3.25	
	0.05	0.27	0.49	0.54	0.11	0.00	1.46	
ESE	1	9	18	9	2	0	39	4.29
	0.12	1.08	2.16	1.08	0.24	0.00	4.69	
	0.05	0.49	0.97	0.49	0.11	0.00	2.11	
SE	1	10	10	12	0	0	33	3.32
	0.12	1.20	1.20	1.44	0.00	0.00	3.96	
	0.05	0.54	0.54	0.65	0.00	0.00	1.78	
SSE	0	7	13	12	3	1	36	4.94
	0.00	0.84	1.56	1.44	0.36	0.12	4.32	
	0.00	0.38	0.70	0.65	0.16	0.05	1.94	
S	0	12	19	18	6	3	58	6.42
	0.00	1.44	2.28	2.16	0.72	0.36	6.96	
	0.00	0.65	1.03	0.97	0.32	0.16	3.13	
SSW	2	4	6	18	6	1	37	5.70
	0.24	0.48	0.72	2.16	0.72	0.12	4.45	
	0.11	0.22	0.32	0.97	0.32	0.05	2.00	
SW	2	2	4	5	2	0	16	4.75
	0.24	0.24	0.48	0.60	0.24	0.00	1.92	
	0.11	0.11	0.22	0.27	0.11	0.00	0.86	
WSW	2	3	4	1	3	1	14	4.93
	0.24	0.36	0.48	0.12	0.36	0.12	1.68	
	0.11	0.16	0.22	0.05	0.16	0.05	0.76	
W	3	8	4	3	3	0	21	4.04
	0.36	0.96	0.48	0.36	0.36	0.00	2.52	
	0.16	0.43	0.22	0.16	0.16	0.00	1.14	
WNW	0	2	9	2	1	0	14	5.88
	0.00	0.24	1.08	0.24	0.12	0.00	1.68	
	0.00	0.11	0.49	0.11	0.05	0.00	0.76	
NW	2	3	15	2	2	1	25	6.57
	0.24	0.36	1.80	0.24	0.24	0.12	3.00	
	0.11	0.16	0.81	0.11	0.11	0.05	1.35	
NNW	2	7	17	5	2	1	34	6.34
	0.24	0.84	2.04	0.60	0.24	0.12	4.08	
	0.11	0.38	0.92	0.27	0.11	0.05	1.84	
N	2	11	27	8	3	1	52	5.57
	0.24	1.32	3.25	0.96	0.36	0.12	6.25	
	0.11	0.59	1.46	0.43	0.16	0.05	2.81	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	16	136	280	224	115	51	832	5.34
	1.92	16.35	33.65	26.92	13.82	6.13	100.00	
	0.86	7.34	15.12	12.10	6.21	2.75	44.92	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.33.48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO.: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2	4	8	1	0	0	15	3.17
	0.60	1.20	2.40	0.30	0.00	0.00	4.49	
	1.11	2.22	4.40	0.55	0.00	0.00	8.31	
NE	0	1	1	0	0	0	2	2.70
	0.00	0.30	0.30	0.00	0.00	0.00	0.60	
	0.00	0.55	0.55	0.00	0.00	0.00	1.11	
ENE	2	8	1	2	0	0	13	2.88
	0.60	2.40	0.30	0.60	0.00	0.00	3.89	
	1.11	4.43	0.55	1.11	0.00	0.00	7.20	
E	1	6	13	0	0	0	20	3.58
	0.30	1.80	3.89	0.00	0.00	0.00	5.99	
	0.55	3.32	7.20	0.00	0.00	0.00	11.08	
ESE	0	5	5	3	0	0	13	4.07
	0.00	1.50	1.50	0.90	0.00	0.00	3.89	
	0.00	2.77	2.77	1.66	0.00	0.00	7.20	
SE	2	9	3	5	0	0	19	3.51
	0.60	2.69	0.90	1.50	0.00	0.00	5.69	
	1.11	4.99	1.66	2.77	0.00	0.00	10.53	
SSE	6	0	21	20	0	0	47	5.07
	1.80	0.00	6.29	6.29	0.00	0.00	14.07	
	3.32	0.00	11.63	11.63	0.00	0.00	26.04	
S	0	8	20	19	4	1	52	4.97
	0.00	2.40	5.99	5.69	1.20	0.30	15.57	
	0.00	4.43	11.08	11.03	2.22	0.55	29.81	
SSW	6	3	8	4	0	0	19	4.17
	1.80	0.90	2.40	1.20	0.00	0.00	4.49	
	3.32	1.66	4.43	2.22	0.00	0.00	10.53	
SW	1	1	4	3	0	0	9	4.20
	0.30	0.30	1.20	0.90	0.00	0.00	2.69	
	0.55	0.55	2.22	1.66	0.00	0.00	4.99	
WSW	0	3	6	2	0	0	11	3.93
	0.00	0.90	1.80	0.60	0.00	0.00	3.29	
	0.00	1.66	3.32	1.11	0.00	0.00	6.09	
W	1	7	7	4	0	0	19	3.54
	0.30	2.10	2.10	1.20	0.00	0.00	5.69	
	0.55	3.88	3.88	2.22	0.00	0.00	10.53	
WNW	4	9	3	2	0	0	18	2.95
	1.20	2.70	0.90	0.60	0.00	0.00	5.39	
	2.22	4.99	1.66	1.11	0.00	0.00	9.97	
NW	0	9	10	7	1	1	28	4.17
	0.00	2.69	2.99	2.10	0.30	0.30	8.38	
	0.00	4.99	5.54	3.88	0.55	0.55	15.51	
NNW	0	6	7	2	1	0	18	3.49
	0.00	1.80	2.10	0.60	0.30	0.00	5.39	
	0.00	3.32	3.88	1.11	0.55	0.00	9.97	
N	2	10	12	10	1	0	35	4.06
	0.60	2.99	3.59	2.99	0.30	0.00	10.48	
	1.11	5.54	6.65	5.54	0.55	0.00	19.39	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	21	82	135	83	11	2	334	4.08
	6.29	24.55	40.42	24.85	3.29	0.60	100.00	
	11.63	45.43	74.79	45.98	6.09	1.11	185.03	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.33.48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO.: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	6	1	0	0	0	7	2.70
	0.00	2.82	0.42	0.00	0.00	0.00	2.94	
	0.00	3.32	0.55	0.00	0.00	0.00	3.88	
NE	0	2	3	0	0	0	10	3.16
	0.00	2.10	1.26	0.00	0.00	0.00	4.20	
	0.00	2.77	1.66	0.00	0.00	0.00	5.54	
ENE	0	5	3	0	0	0	8	2.63
	0.00	2.10	1.26	0.00	0.00	0.00	3.36	
	0.00	4.77	1.66	0.00	0.00	0.00	4.43	
E	1	4	6	0	0	0	12	3.06
	0.42	1.68	2.52	0.00	0.00	0.00	5.04	
	0.55	2.22	3.32	0.00	0.00	0.00	6.65	
ESE	0	3	4	0	0	0	7	3.14
	0.00	1.26	1.68	0.00	0.00	0.00	2.94	
	0.00	1.66	2.22	0.00	0.00	0.00	3.88	
SE	3	3	10	4	0	0	15	3.72
	1.26	0.00	4.20	1.68	0.00	0.00	6.30	
	1.66	0.00	5.54	2.22	0.00	0.00	8.31	
SSE	1	7	11	7	0	0	26	3.93
	0.42	2.94	4.62	2.94	0.00	0.00	10.92	
	0.55	3.88	5.99	3.88	0.00	0.00	14.40	
S	2	8	15	8	0	0	38	3.57
	0.84	3.36	6.30	3.36	0.00	0.00	15.97	
	1.11	4.43	8.31	4.43	0.00	0.00	21.07	
SSW	2	6	13	0	0	0	21	3.20
	0.84	2.52	5.46	0.00	0.00	0.00	8.82	
	1.11	3.32	7.20	0.00	0.00	0.00	11.63	
SW	0	4	7	0	0	0	11	3.19
	0.00	1.68	2.94	0.00	0.00	0.00	4.62	
	0.00	2.22	3.88	0.00	0.00	0.00	6.09	
WSW	1	8	6	0	0	0	15	2.75
	0.42	3.36	2.52	0.00	0.00	0.00	6.30	
	0.55	4.43	3.32	0.00	0.00	0.00	8.31	
W	2	10	4	2	0	0	18	2.63
	0.84	4.20	1.68	0.84	0.00	0.00	7.56	
	1.11	5.54	2.22	1.11	0.00	0.00	9.97	
WNW	0	5	7	0	0	0	13	3.03
	0.00	2.52	2.94	0.00	0.00	0.00	5.46	
	0.00	2.77	3.88	0.00	0.00	0.00	7.20	
NW	2	10	2	0	0	0	14	2.28
	0.84	4.20	0.84	0.00	0.00	0.00	5.88	
	1.11	5.54	1.11	0.00	0.00	0.00	7.76	
NNW	3	5	2	0	0	0	10	2.78
	1.26	2.10	0.84	0.00	0.00	0.00	4.20	
	1.66	2.77	1.11	0.00	0.00	0.00	5.54	
N	1	5	1	1	0	0	8	2.93
	0.42	2.10	0.42	0.42	0.00	0.00	3.36	
	0.55	2.77	0.55	0.55	0.00	0.00	4.43	
CALM	1						1	CALM
	0.42						0.42	
	0.55						0.55	
TOTAL	18	94	109	17	0	0	238	3.15
	7.56	39.50	45.80	7.14	0.00	0.00	100.00	
	9.97	52.08	60.39	9.42	0.00	0.00	131.85	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY -10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.33.48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .73	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1 .73	.60
	0.00	0.00	0.00	0.00	0.00	0.00	.05	
NE	0 0.00	1 .73	1 .73	0 0.00	0 0.00	0 0.00	2 1.46	3.25
	0.00	.05	.05	0.00	0.00	0.00	.11	
ENE	0 0.00	1 .73	1 .73	0 0.00	0 0.00	0 0.00	2 1.46	3.05
	0.00	.05	.05	0.00	0.00	0.00	.11	
E	0 0.00	2 1.46	5 3.65	0 0.00	0 0.00	0 0.00	7 5.11	3.66
	0.00	.11	.27	0.00	0.00	0.00	.38	
ESE	0 0.00	0 0.00	1 .73	0 0.00	0 0.00	0 0.00	1 .73	3.30
	0.00	0.00	.05	0.00	0.00	0.00	.05	
SE	2 1.46	3 2.19	5 3.65	1 .73	0 0.00	0 0.00	13 9.49	2.99
	.11	.27	.27	.05	0.00	0.00	.70	
SSE	1 .73	0 0.00	1 .73	4 2.92	0 0.00	0 0.00	6 4.38	4.12
	.05	0.00	.05	.22	0.00	0.00	.32	
S	4 2.92	2 1.46	3 2.19	2 1.46	0 0.00	0 0.00	11 8.03	2.88
	.22	.11	.16	.11	0.00	0.00	.59	
SSW	1 .73	1 .73	1 .73	4 2.92	0 0.00	0 0.00	7 5.11	3.43
	.05	.05	.05	.22	0.00	0.00	.38	
SW	2 1.46	1 .73	1 .73	4 2.92	0 0.00	0 0.00	8 5.84	1.89
	.11	.05	.05	.22	0.00	0.00	.43	
WSW	2 1.46	4 2.92	1 .73	1 .73	0 0.00	0 0.00	8 5.84	2.06
	.11	.22	.05	.05	0.00	0.00	.43	
W	4 2.92	10 7.30	2 1.46	0 0.00	0 0.00	0 0.00	16 11.68	2.19
	.22	.54	.11	0.00	0.00	0.00	.86	
WNW	3 2.19	7 5.11	3 2.19	2 1.46	0 0.00	0 0.00	15 10.95	1.73
	.16	.38	.16	.11	0.00	0.00	.81	
NW	1 .73	1 .73	1 .73	0 0.00	0 0.00	0 0.00	3 2.19	2.19
	.05	.05	.05	0.00	0.00	0.00	.16	
NNW	4 2.92	6 4.38	1 .73	0 0.00	0 0.00	0 0.00	11 8.03	2.46
	.22	.32	.05	0.00	0.00	0.00	.59	
N	0 0.00	6 4.38	2 1.46	0 0.00	0 0.00	0 0.00	8 5.84	4.70
	0.00	.32	.11	0.00	0.00	0.00	.43	
CALM	0 0.00	0 0.00	1 .73	0 0.00	0 0.00	0 0.00	1 .73	CALM
	0.00	0.00	.05	0.00	0.00	0.00	.05	
TOTAL	32 23.36	60 43.80	37 27.01	8 5.84	0 0.00	0 0.00	137 100.00	2.58
	1.73	3.24	2.00	.43	0.00	0.00	7.40	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.33.48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	5 .27	30 1.62	50 2.70	20 1.08	1 .59	3 .16	119 6.43	4.32
NE	3 .16	24 1.30	36 1.94	10 .54	11 .59	2 .11	86 4.64	4.45
ENE	3 .16	21 1.13	25 1.35	23 1.24	5 .27	0 0.00	77 4.16	4.34
E	4 .22	20 1.08	47 2.54	11 .59	1 .05	0 0.00	83 4.48	3.78
ESE	1 .05	19 1.03	29 1.57	12 .65	4 .22	0 0.00	65 3.51	4.12
SE	9 .49	25 1.35	31 1.67	12 .65	0 0.00	2 .11	79 4.27	3.65
SSE	4 .22	14 .76	56 3.02	49 2.65	8 .43	3 .16	134 7.24	4.88
S	6 .32	19 1.03	73 3.94	47 2.54	18 .97	11 .59	174 9.40	5.19
SSW	13 .70	20 1.08	44 2.38	31 1.7[illegible]	16 .86	1 .05	126 6.80	4.66
SW	9 .49	14 .76	19 1.03	9 .49	6 .32	3 .16	60 3.24	4.30
WSW	6 .32	24 1.30	22 1.19	6 .32	4 .22	1 .05	63 3.40	3.64
W	15 .81	40 2.16	40 2.16	13 .70	3 .16	0 0.00	111 5.99	3.40
WNW	9 .49	30 1.62	27 1.46	21 1.13	4 .22	7 .38	98 5.29	4.37
NW	7 .38	40 2.16	33 1.78	41 2.21	32 1.73	13 .70	166 8.96	5.55
NNW	7 .38	35 1.89	43 2.32	57 3.08	50 2.70	21 1.13	213 11.50	6.05
N	5 .27	28 1.51	64 3.46	65 3.51	25 1.35	10 .54	197 10.64	5.38
CALM	1 .05						1 .05	CALM
TOTAL	107 5.78	403 21.76	639 34.50	428 23.11	198 10.69	77 4.16	1852 100.00	4.76

NUMBER OF VALID OBSERVATIONS 1852 90.78 PCT
NUMBER OF INVALID OBSERVATIONS 188 9.22 PCT
TOTAL NUMBER OF OBSERVATIONS 2040 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	2	6	5	4	0	17	5.56
	0.00	90	2.71	2.26	1.81	0.00	7.69	
	0.00	12	.06	.30	.24	0.00	1.03	
NE	0	0	2	0	0	0	2	3.45
	0.00	0.00	.90	0.00	0.00	0.00	.90	
	0.00	0.00	.12	0.00	0.00	0.00	.12	
ENE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E	0	0	0	0	1	0	1	8.20
	0.00	0.00	0.00	0.00	.45	0.00	.45	
	0.00	0.00	0.00	0.00	.06	0.00	.06	
ESE	1	0	0	1	0	0	2	3.60
	.45	0.00	0.00	.45	0.00	0.00	.90	
	.06	0.00	0.00	.06	0.00	0.00	.12	
SE	0	0	0	5	2	0	9	6.31
	0.00	0.00	.90	2.26	.90	0.00	4.07	
	0.00	0.00	.12	.30	.12	0.00	.54	
SSE	1	1	4	10	2	0	18	7.07
	0.00	.45	.90	4.52	.90	0.00	8.11	
	0.00	.06	.12	.60	.12	0.00	1.91	
S	0	0	2	11	2	0	15	7.39
	0.00	0.00	.90	4.98	.90	0.00	6.81	
	0.00	0.00	.12	.66	.12	0.00	1.91	
SSW	1	1	4	7	3	0	16	8.28
	.45	.45	.45	3.17	1.36	0.00	7.24	
	.06	.06	.06	.42	.18	0.00	1.91	
SW	0	2	3	5	4	0	14	7.71
	0.00	.90	1.36	2.26	1.81	0.00	6.33	
	0.00	.12	.18	.30	.24	0.00	.85	
WSW	2	1	0	4	3	0	10	7.86
	.90	.45	0.00	1.81	1.36	0.00	4.52	
	.12	.06	0.00	.24	.18	0.00	.60	
W	1	0	1	7	2	0	11	6.29
	.45	0.00	.45	3.17	.90	0.00	4.98	
	.06	0.00	.06	.42	.12	0.00	.66	
WNW	0	1	1	7	3	0	12	11.55
	0.00	.45	.45	3.17	1.36	0.00	5.43	
	0.00	.06	.06	.42	.18	0.00	.72	
NW	0	0	0	5	6	0	11	8.08
	0.00	0.00	0.00	2.26	2.71	0.00	4.98	
	0.00	0.00	0.00	.30	.36	0.00	.66	
NNW	0	0	2	11	4	0	17	7.97
	0.00	0.00	.90	4.98	1.81	0.00	7.69	
	0.00	0.00	.12	.66	.24	0.00	1.03	
N	0	0	2	5	3	0	10	6.21
	0.00	0.00	.90	2.26	1.36	0.00	4.52	
	0.00	0.00	.12	.30	.18	0.00	.60	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	5	7	30	75	41	0	221	7.52
	2.26	3.17	13.57	33.94	18.55	0.00	100.00	
	.30	.42	1.81	4.53	2.48	0.00	13.35	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	3	3	1	2	0	10	4.44
	1.01	3.03	3.03	1.01	2.02	0.00	10.10	
	.06	.18	.18	.06	.12	0.00	.60	
NE	1	4	1	0	0	0	6	2.25
	1.01	4.04	1.01	0.00	0.00	0.00	6.06	
	.06	.24	.06	0.00	0.00	0.00	.36	
ENE	1	1	0	1	0	0	3	3.33
	1.01	1.01	0.00	1.01	0.00	0.00	3.03	
	.06	.06	0.00	.06	0.00	0.00	.18	
E	1	0	0	0	0	0	1	1.20
	1.01	0.00	0.00	0.00	0.00	0.00	1.01	
	.06	0.00	0.00	0.00	0.00	0.00	.06	
ESE	0	0	0	0	4	4	8	10.87
	0.00	0.00	0.00	0.00	4.04	4.04	8.08	
	0.00	0.00	0.00	0.00	.24	.24	.48	
SE	0	0	4	0	0	4	8	3.80
	0.00	0.00	4.04	0.00	0.00	4.04	8.08	
	0.00	0.00	.24	0.00	0.00	.24	.48	
SSE	0	0	3	2	0	0	5	4.98
	0.00	0.00	3.03	2.02	0.00	0.00	5.05	
	0.00	0.00	.18	.12	0.00	0.00	.30	
S	0	0	1	0	1	2	4	9.50
	0.00	0.00	1.01	0.00	1.01	2.02	4.04	
	0.00	0.00	.06	0.00	.06	.12	.24	
SSW	0	0	4	3	4	3	14	7.24
	0.00	0.00	4.04	3.03	4.04	3.03	14.14	
	0.00	0.00	.24	.18	.24	.18	.85	
SW	0	0	4	3	2	0	9	5.97
	0.00	0.00	4.04	3.03	2.02	0.00	9.09	
	0.00	0.00	.24	.18	.12	0.00	.54	
WSW	0	0	1	2	2	0	5	7.02
	0.00	0.00	1.01	2.02	2.02	0.00	5.05	
	0.00	0.00	.06	.12	.12	0.00	.30	
W	0	0	0	2	1	1	4	7.90
	0.00	0.00	0.00	2.02	1.01	1.01	4.04	
	0.00	0.00	0.00	.12	.06	.06	.24	
WNW	0	0	1	0	1	0	2	8.30
	0.00	0.00	1.01	0.00	1.01	0.00	2.02	
	0.00	0.00	.06	0.00	.06	0.00	.12	
NW	0	1	2	0	2	1	6	6.67
	0.00	1.01	2.02	0.00	2.02	1.01	6.06	
	0.00	.06	.12	0.00	.12	.06	.36	
NNW	1	0	0	7	3	1	12	6.92
	1.01	0.00	0.00	7.07	3.03	1.01	12.12	
	.06	0.00	0.00	.42	.18	.06	.72	
N	1	0	2	6	1	0	10	5.16
	1.01	0.00	2.02	6.06	1.01	0.00	10.10	
	.06	0.00	.12	.36	.06	0.00	.60	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	6	9	26	27	18	13	99	6.10
	6.06	9.09	26.26	27.27	18.18	13.13	100.00	
	.36	.54	1.57	1.63	1.09	.79	5.98	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .91 .06	0 0.00 0.00	1 .91 .06	5 4.55 .30	5 4.55 .30	2 1.82 .12	14 12.73 .85	7.27
NE	0 0.00 0.00	4 3.64 .24	2 1.82 .12	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 5.45 .36	2.60
ENE	1 .91 .06	1 .91 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.82 .12	1.90
E	2 1.82 .12	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .91 .06	0 0.00 0.00	3 2.73 .18	4.93
ESE	0 0.00 0.00	2 1.82 .12	1 .91 .06	0 0.00 0.00	1 .91 .06	0 0.00 0.00	4 3.64 .24	4.57
SE	0 0.00 0.00	0 0.00 0.00	3 2.73 .18	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 2.73 .18	3.63
SSE	0 0.00 0.00	0 0.00 0.00	1 .91 .06	4 3.64 .24	1 .91 .06	0 0.00 0.00	6 5.45 .36	6.23
S	0 0.00 0.00	0 0.00 0.00	3 2.73 .18	4 3.64 .24	2 1.82 .12	1 .91 .06	10 9.09 .60	6.60
SSW	0 0.00 0.00	0 0.00 0.00	2 1.82 .12	4 3.64 .24	3 2.73 .18	2 1.82 .12	11 10.00 .66	7.43
SW	0 0.00 0.00	2 1.82 .12	3 2.73 .18	2 1.82 .12	0 0.00 0.00	0 0.00 0.00	7 6.36 .42	4.40
WSW	0 0.00 0.00	1 .91 .06	1 .91 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.82 .12	3.45
W	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
WNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.82 .12	0 0.00 0.00	1 .91 .06	3 2.73 .18	8.40
NW	0 0.00 0.00	0 0.00 0.00	2 1.82 .12	2 1.82 .12	3 2.73 .18	1 .91 .06	8 7.27 .48	7.49
NNW	1 .91 .06	1 .91 .06	1 .91 .06	6 5.45 .36	8 7.27 .48	0 0.00 0.00	17 15.45 1.03	6.69
V	0 0.00 0.00	0 0.00 0.00	6 5.36 .42	5 4.55 .30	2 1.82 .12	0 0.00 0.00	14 12.73 .85	5.77
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	5 4.55 .30	11 10.00 .66	27 24.55 1.63	34 30.91 2.05	24 21.82 1.45	9 8.18 .54	110 100.00 6.64	6.07

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	2 .32 .02	18 2.90 .20	22 3.55 .24	24 3.89 .26	3 .49 .03	69 11.18 .77	6.59
NE	0 0.00 0.00	7 1.13 .08	7 1.09 .08	11 1.33 .12	9 1.45 .10	1 .18 .01	40 6.47 .44	4.33
ENE	0 0.00 0.00	2 .32 .02	13 2.11 .14	7 1.13 .08	2 .32 .02	0 0.00 0.00	30 4.86 .33	4.69
E	0 0.00 0.00	3 .49 .03	11 1.78 .12	4 .65 .04	5 .81 .06	1 .16 .01	24 3.89 .26	5.09
ESE	0 0.00 0.00	1 .16 .01	4 .65 .04	3 .49 .03	2 .32 .02	0 0.00 0.00	10 1.62 .11	6.52
SE	0 0.00 0.00	5 .81 .06	18 2.92 .20	8 1.30 .09	6 .97 .07	0 0.00 0.00	37 5.99 .41	5.39
SSE	0 0.00 0.00	2 .32 .02	6 .97 .07	11 1.78 .12	4 .65 .04	1 .16 .01	24 3.89 .26	5.04
S	0 0.00 0.00	1 .16 .01	2 .32 .02	2 .32 .02	0 0.00 0.00	0 0.00 0.00	5 .81 .06	7.10
SSW	0 0.00 0.00	2 .32 .02	13 2.11 .14	11 1.78 .12	6 .97 .07	1 .16 .01	33 5.34 .36	6.51
SW	0 0.00 0.00	2 .32 .02	6 .97 .07	11 1.78 .12	5 .81 .06	1 .16 .01	25 4.05 .27	6.87
WSW	0 0.00 0.00	0 0.00 0.00	4 .65 .04	5 .81 .06	3 .49 .03	0 0.00 0.00	12 1.94 .13	3.98
W	0 0.00 0.00	0 0.00 0.00	3 .49 .03	3 .49 .03	3 .49 .03	0 0.00 0.00	9 1.46 .10	7.62
WNW	0 0.00 0.00	0 0.00 0.00	3 .49 .03	2 .32 .02	2 .32 .02	1 .16 .01	8 1.30 .09	7.80
NW	0 0.00 0.00	2 .32 .02	6 .97 .07	5 .81 .06	0 0.00 0.00	2 .32 .02	15 2.43 .16	6.41
NNW	1 .16 .01	2 .32 .02	5 .81 .06	2 .32 .02	3 .49 .03	0 0.00 0.00	13 2.11 .14	7.27
N	1 .16 .01	2 .32 .02	7 1.13 .08	5 .81 .06	2 .32 .02	1 .16 .01	18 2.92 .20	5.74
CALM	0 0.00 0.00	2 .32 .02	6 .97 .07	3 .49 .03	1 .16 .01	0 0.00 0.00	12 1.94 .13	CALM
TOTAL	2 .32 .02	30 4.86 .33	118 19.13 1.29	101 16.37 1.10	70 11.35 .77	10 1.62 .11	331 53.64 3.62	6.21

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.47.44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .07	4 1.10	6 1.65	3 .82	0 0.00	0 0.00	14 3.85	3.89
NE	0 0.00	4 1.10	6 1.65	3 .82	0 0.00	0 0.00	13 3.85	2.06
ENE	2 .55	4 1.10	2 .55	0 0.00	0 0.00	0 0.00	8 2.20	2.74
E	3 .82	6 2.20	3 1.10	0 .82	0 0.00	0 0.00	12 4.40	3.82
ESE	2 .55	6 2.20	4 1.37	3 1.10	0 0.00	0 0.00	15 5.49	4.02
SE	3 .82	6 2.20	6 2.20	3 1.10	0 0.00	0 0.00	18 6.59	4.00
SSE	3 .82	6 2.20	6 2.47	3 1.37	0 0.00	0 0.00	18 6.87	4.30
S	0 0.00	7 2.20	8 3.02	4 2.20	0 0.00	0 0.00	19 7.42	6.75
SSW	0 0.00	3 1.10	9 3.57	13 10.71	5 4.12	3 2.47	33 21.98	7.40
SW	0 0.00	3 1.10	9 3.57	5 4.12	2 1.65	2 1.65	21 15.11	3.72
WSW	0 0.00	2 .55	4 1.37	2 1.65	1 .82	0 0.00	9 3.32	3.39
W	0 0.00	1 .27	2 .55	1 .82	0 0.00	0 0.00	4 1.10	3.50
WNW	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3.30
NW	0 0.00	1 .27	2 .55	1 .82	0 0.00	0 0.00	4 1.10	3.89
NNW	0 0.00	1 .27	2 .55	1 .82	0 0.00	0 0.00	4 1.10	4.35
N	2 .55	4 1.10	3 .82	1 .27	0 0.00	0 0.00	10 2.75	4.23
CALM	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	CALM
TOTAL	19 5.22	78 21.43	110 30.22	102 28.02	41 11.26	18 4.95	364 100.00	5.01

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.47.44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	1 .67	2 1.34	0 0.00	0 0.00	0 0.00	3 2.01	3.03
NE	0 0.00	1 .67	2 1.34	0 0.00	0 0.00	0 0.00	3 2.01	1.97
ENE	0 0.00	4 2.68	0 0.00	0 0.00	0 0.00	0 0.00	4 2.68	3.55
E	1 .67	0 0.00	5 3.36	0 0.00	0 0.00	0 0.00	6 4.03	3.78
ESE	0 0.00	0 0.00	6 4.03	0 0.00	0 0.00	0 0.00	6 4.03	3.88
SE	0 0.00	5 3.36	6 4.03	2 1.34	0 0.00	0 0.00	13 8.72	3.39
SSE	0 0.00	7 4.70	12 8.05	1 .67	0 0.00	0 0.00	21 14.09	3.61
S	0 0.00	8 5.37	17 11.41	1 .67	0 0.00	0 0.00	26 17.45	3.82
SSW	1 .67	2 1.34	12 8.05	2 1.34	0 0.00	0 0.00	17 11.41	3.11
SW	1 .67	3 2.01	1 .67	0 0.00	0 0.00	0 0.00	5 3.36	2.34
WSW	0 0.00	1 .67	0 0.00	0 0.00	0 0.00	0 0.00	1 .67	2.50
W	0 0.00	1 .67	0 0.00	0 0.00	0 0.00	0 0.00	1 .67	2.30
WNW	2 1.34	1 .67	4 2.68	0 0.00	0 0.00	0 0.00	7 4.70	3.31
NW	1 .67	3 2.01	1 .67	1 .67	0 0.00	0 0.00	6 4.03	2.98
NNW	0 0.00	4 2.68	1 .67	1 .67	0 0.00	0 0.00	6 4.03	2.89
N	0 0.00	1 .67	2 1.34	1 .67	0 0.00	0 0.00	4 2.68	3.62
CALM	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	CALM
TOTAL	7 4.70	51 34.23	83 55.70	8 5.37	0 0.00	0 0.00	149 100.00	3.38

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.47.44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 1.04 06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 06	2.80
NE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	1 1.04 06	1 1.04 06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.08 12	1.70
ESE	0 0.00 0.00	1 1.04 06	2 2.08 12	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.12 18	3.60
SE	0 0.00 0.00	4 4.17 24	9 9.37 54	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	13 13.54 78	3.22
SSE	1 1.04 06	6 6.25 36	15 15.62 91	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	22 22.92 1.33	3.19
S	0 0.00 0.00	4 4.17 24	6 6.25 36	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	10 10.42 60	3.04
SSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2.64
SW	0 0.00 0.00	5 5.21 30	3 3.12 18	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 8.33 48	2.20
WSW	0 0.00 0.00	4 4.17 24	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 4.17 24	1.77
W	1 1.04 06	2 2.08 12	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.12 18	1.97
WNW	2 2.08 12	4 4.17 24	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 6.25 36	2.87
NW	1 1.04 06	4 4.17 24	4 4.17 24	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9 9.37 54	2.01
NNW	2 2.08 12	4 4.17 24	1 1.04 06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	7 7.29 42	2.67
N	1 1.04 06	1 1.04 06	2 2.08 12	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 4.17 24	2.97
CALM	1 1.04 06	0 0.00 0.00	3 3.12 18	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 4.17 24	CALM
TOTAL	0 0.00 0.00 10 10.42 60	41 42.71 2.48	45 46.87 2.72	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00 96 100.00 5.80	2.80

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/10/81 15.47.44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3 .18	13 .79	36 2.17	36 2.17	35 2.11	5 .30	128 7.73	5.95
NE	3 .18	24 1.45	20 1.21	7 .42	2 .12	0 0.00	56 3.38	3.40
ENE	8 .48	19 1.15	20 1.21	6 .36	5 .30	1 .06	59 3.56	3.88
E	6 .36	21 1.27	20 1.21	12 .72	4 .24	6 .36	69 4.17	4.50
ESE	3 .18	21 1.27	35 2.11	15 .91	12 .72	14 .85	100 6.04	5.53
SE	3 .18	20 1.21	54 3.26	22 1.33	7 .42	1 .06	107 6.46	4.38
SSE	2 .12	25 1.51	58 3.50	30 1.81	8 .48	5 .30	128 7.73	4.72
S	1 .06	14 .85	51 3.08	79 4.77	47 2.84	26 1.57	218 13.16	6.57
SSW	3 .18	17 1.03	29 1.75	48 2.90	46 2.78	30 1.81	173 10.45	6.82
SW	2 .18	13 .79	20 1.21	11 .66	15 .91	7 .42	69 4.17	5.71
WSW	7 .42	12 .72	11 .66	6 .36	9 .54	3 .18	48 2.90	4.79
W	7 .42	5 .30	4 .24	13 .79	4 .24	7 .42	40 2.42	5.89
WNW	3 .18	11 .66	21 1.27	8 .48	0 0.00	16 .97	59 3.56	6.42
NW	5 .30	19 1.15	27 1.63	35 2.11	18 1.09	11 .66	115 6.94	5.90
NNW	5 .30	16 .97	22 1.33	62 3.74	41 2.48	15 .91	161 9.72	6.53
N	4 .24	7 .42	51 3.08	47 2.84	15 .91	2 .12	126 7.61	5.28
CALM	0 0.00						0 0.00	CALM
TOTAL	88 5.31	257 15.52	479 28.93	437 26.39	268 16.18	149 9.00	1656 100.00	5.65

NUMBER OF VALID OBSERVATIONS 1656 74.19 PCT
NUMBER OF INVALID OBSERVATIONS 576 25.81 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10:37:57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	4	4	4	0	0	12	4.00
	0.00	1.25	1.25	1.25	0.00	0.00	3.74	
	0.00	19	19	19	0.00	0.00	58	
NE	0	1	2	0	0	0	3	4.13
	0.00	.31	.62	0.00	0.00	0.00	.93	
	0.00	.05	.10	0.00	0.00	0.00	.15	
ENE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E	0	0	3	3	0	0	6	5.42
	0.00	0.00	.93	.93	0.00	0.00	1.87	
	0.00	0.00	.15	.15	0.00	0.00	.29	
ESE	0	0	2	6	2	0	10	7.04
	0.00	0.00	0.00	2.48	.62	0.00	3.10	
	0.00	0.00	0.00	.39	.10	0.00	.49	
SE	0	0	0	4	1	0	5	6.89
	0.00	0.00	0.00	1.24	.31	0.00	1.55	
	0.00	0.00	0.00	.20	.05	0.00	.24	
SSE	0	0	1	5	1	0	7	8.00
	0.00	0.00	.31	1.55	.31	0.00	2.17	
	0.00	0.00	.05	.24	.05	0.00	.34	
S	0	0	3	5	2	0	10	9.24
	0.00	0.00	.93	1.55	.62	0.00	3.10	
	0.00	0.00	.15	.24	.10	0.00	.49	
SSW	0	0	1	4	2	0	7	8.05
	0.00	0.00	.31	1.24	.62	0.00	2.17	
	0.00	0.00	.05	.19	.10	0.00	.34	
SW	0	0	2	2	1	0	5	9.01
	0.00	0.00	.62	.62	.31	0.00	1.55	
	0.00	0.00	.10	.10	.05	0.00	.24	
WSW	0	0	3	2	1	0	6	6.73
	0.00	0.00	.93	.62	.31	0.00	1.87	
	0.00	0.00	.15	.10	.05	0.00	.29	
W	0	0	2	3	1	0	6	5.43
	0.00	0.00	.62	.93	.31	0.00	1.87	
	0.00	0.00	.10	.15	.05	0.00	.29	
WNW	0	0	2	3	0	0	5	5.55
	0.00	0.00	.62	.93	0.00	0.00	1.55	
	0.00	0.00	.10	.15	0.00	0.00	.24	
NW	0	0	4	5	2	0	11	8.25
	0.00	0.00	1.24	1.55	.62	0.00	3.41	
	0.00	0.00	.19	.24	.10	0.00	.53	
NNW	0	0	3	4	1	0	8	6.95
	0.00	0.00	.93	1.24	.31	0.00	2.48	
	0.00	0.00	.15	.19	.05	0.00	.39	
N	0	1	4	5	1	0	11	5.68
	0.00	.31	1.24	1.55	.31	0.00	3.41	
	0.00	.05	.19	.24	.05	0.00	.53	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	3	13	34	59	22	0	131	7.49
	.93	4.04	16.82	30.84	31.78	15.58	100.00	
	.15	.63	2.82	4.80	4.95	2.43	15.57	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10:37:57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	1	1	0	3	6.27
	0.00	0.00	1.14	1.14	1.14	0.00	3.41	
	0.00	0.00	.05	.05	.05	0.00	.15	
NE	0	2	0	0	0	0	2	2.35
	0.00	2.27	0.00	0.00	0.00	0.00	2.27	
	0.00	.10	0.00	0.00	0.00	0.00	.10	
ENE	0	1	4	1	0	0	6	6.23
	0.00	0.00	1.14	1.14	0.00	0.00	6.82	
	0.00	0.00	.05	.05	0.00	0.00	.29	
E	0	0	1	1	1	0	3	5.80
	0.00	0.00	1.14	1.14	1.14	0.00	3.41	
	0.00	0.00	.05	.05	.05	0.00	.15	
ESE	0	1	1	1	0	0	3	4.90
	0.00	1.14	1.14	1.14	0.00	0.00	3.41	
	0.00	.05	.05	.05	0.00	0.00	.15	
SE	0	0	0	4	1	0	5	7.12
	0.00	0.00	0.00	4.55	1.14	0.00	5.68	
	0.00	0.00	0.00	.19	.05	0.00	.24	
SSE	0	0	0	2	2	0	7	9.01
	0.00	0.00	0.00	2.27	2.27	0.00	7.95	
	0.00	0.00	0.00	.10	.10	0.00	.34	
S	0	0	1	4	3	0	13	9.64
	0.00	0.00	1.14	4.55	6.82	0.00	14.77	
	0.00	0.00	.05	.19	.29	0.00	.63	
SSW	0	0	1	2	1	0	4	7.57
	0.00	0.00	1.14	2.27	1.14	0.00	4.55	
	0.00	0.00	.05	.10	.05	0.00	.19	
SW	0	0	2	1	1	0	6	7.05
	0.00	0.00	2.27	1.14	1.14	0.00	6.82	
	0.00	0.00	.10	.05	.05	0.00	.29	
WSW	0	1	0	1	1	0	3	7.09
	0.00	1.14	0.00	1.14	1.14	0.00	3.41	
	0.00	.05	0.00	.05	.05	0.00	.15	
W	0	1	0	1	0	0	2	4.35
	0.00	1.14	0.00	1.14	0.00	0.00	2.27	
	0.00	.05	0.00	.05	0.00	0.00	.10	
WNW	0	0	1	1	1	0	3	6.37
	0.00	0.00	1.14	1.14	1.14	0.00	3.41	
	0.00	0.00	.05	.05	.05	0.00	.15	
NW	0	1	1	3	4	0	9	7.00
	0.00	1.14	1.14	3.41	4.55	0.00	10.23	
	0.00	.05	.05	.15	.19	0.00	.44	
NNW	0	1	1	4	5	0	11	6.82
	0.00	1.14	1.14	4.55	5.68	0.00	12.50	
	0.00	.05	.05	.19	.24	0.00	.53	
N	0	0	0	2	3	0	5	7.52
	0.00	0.00	0.00	2.27	3.41	0.00	5.68	
	0.00	0.00	0.00	.10	.15	0.00	.24	
CALM	0	0	0	4	2	0	6	7.28
	0.00	0.00	0.00	4.55	2.27	0.00	6.82	
	0.00	0.00	0.00	.19	.10	0.00	.29	
TOTAL	0	7	11	36	28	10	92	7.25
	0.00	7.95	11.36	40.91	31.82	11.36	104.55	
	0.00	.34	.49	1.74	1.35	.49	4.45	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	1	1	1	0	4	5.72
	0.00	.98	.98	.98	.98	0.00	3.92	
	0.00	.05	.05	.05	.05	0.00	.19	
NE	1	1	1	3	0	0	8	4.80
	.98	.98	.98	4.90	0.00	0.00	7.84	
	.05	.05	.05	.24	0.00	0.00	.39	
ENE	0	2	0	1	0	0	3	3.87
	0.00	1.96	0.00	.98	0.00	0.00	2.94	
	0.00	.10	0.00	.05	0.00	0.00	.15	
E	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	0	0	3	0	0	0	3	4.17
	0.00	0.00	2.94	0.00	0.00	0.00	2.94	
	0.00	0.00	.15	0.00	0.00	0.00	.15	
SE	0	0	1	6	1	1	9	7.00
	0.00	0.00	.98	5.88	.98	.98	8.82	
	0.00	0.00	.05	.29	.05	.05	.44	
SSE	0	0	1	0	3	1	8	7.99
	0.00	0.00	.98	2.94	.98	.98	7.84	
	0.00	0.00	.05	.15	.05	.05	.39	
S	1	0	1	1	3	1	12	8.32
	.98	0.00	.98	.98	2.94	.98	11.76	
	.05	0.00	.05	.05	.15	.05	.58	
SSW	0	0	2	4	4	1	11	6.78
	0.00	0.00	1.96	3.92	3.92	.98	10.78	
	0.00	0.00	.10	.19	.19	.05	.53	
SW	0	0	2	0	0	0	2	4.20
	0.00	0.00	1.96	0.00	0.00	0.00	1.96	
	0.00	0.00	.10	0.00	0.00	0.00	.10	
WSW	0	0	0	2	0	2	4	8.65
	0.00	0.00	0.00	1.96	0.00	1.96	3.92	
	0.00	0.00	0.00	.10	0.00	.10	.19	
W	0	0	1	4	2	0	7	6.83
	0.00	0.00	.98	3.92	1.96	0.00	6.86	
	0.00	0.00	.05	.19	.10	0.00	.34	
WNW	0	0	2	1	2	0	5	6.14
	0.00	0.00	1.96	.98	1.96	0.00	4.90	
	0.00	0.00	.10	.05	.10	0.00	.24	
NW	0	1	4	1	2	1	9	6.03
	0.00	.98	3.92	3.92	1.96	.98	11.76	
	0.00	.05	.19	.19	.10	.05	.58	
NNW	0	0	1	5	0	0	6	6.18
	0.00	0.00	.98	4.90	0.00	0.00	5.88	
	0.00	0.00	.05	.24	0.00	0.00	.29	
N	0	1	1	3	1	2	8	7.20
	0.00	.98	.98	2.94	.98	1.96	7.84	
	0.00	.05	.05	.15	.05	.10	.39	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	2	6	21	40	22	11	102	6.62
	1.96	5.88	20.59	39.22	21.57	10.78	100.00	
	.10	.29	1.02	1.94	1.07	.53	4.95	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	2	13	15	4	0	34	5.37
	0.00	.30	1.97	2.28	.61	0.00	5.16	
	0.00	.10	.63	.73	.19	0.00	1.65	
NE	0	6	15	8	0	0	26	4.17
	0.00	.91	1.82	1.21	0.00	0.00	3.95	
	0.00	.29	.58	.39	0.00	0.00	1.26	
ENE	0	1	13	3	1	0	18	4.56
	0.00	.15	1.97	.46	.15	0.00	2.73	
	0.00	.05	.63	.15	.05	0.00	.87	
E	1	1	7	2	2	0	13	4.54
	.15	.30	2.43	1.06	.30	0.00	4.25	
	.05	.10	.78	.34	.10	0.00	1.36	
ESE	0	2	12	15	4	5	48	6.41
	0.00	.30	1.82	3.79	.61	.76	7.28	
	0.00	.10	.58	1.21	.19	.24	2.33	
SE	0	3	7	15	5	5	58	6.76
	0.00	.46	1.06	4.55	2.28	.76	8.80	
	0.00	.15	.34	1.36	.73	.24	2.81	
SSE	1	1	4	9	1	0	16	8.36
	.15	.15	.61	2.88	.15	0.00	2.43	
	.05	.05	.19	.92	.05	0.00	.78	
S	0	2	5	12	3	1	23	8.09
	0.00	.76	1.82	4.86	1.14	.38	8.94	
	0.00	.10	.24	1.16	.29	.10	1.11	
SSW	0	0	3	17	9	1	48	8.12
	0.00	0.00	.46	2.58	1.37	.15	7.28	
	0.00	0.00	.15	.82	.44	.05	2.33	
SW	0	0	4	9	0	0	14	5.46
	0.00	.76	.91	2.05	0.00	0.00	2.12	
	0.00	.10	.19	.29	0.00	0.00	.68	
WSW	0	0	7	4	6	1	18	6.52
	0.00	0.00	1.06	.61	.91	.15	2.73	
	0.00	0.00	.34	.19	.29	.05	.87	
W	1	0	2	8	11	0	22	6.63
	.15	0.00	.46	1.21	1.67	0.00	3.49	
	.05	0.00	.15	.39	.53	0.00	1.12	
WNW	0	1	7	7	4	2	26	6.75
	0.00	.15	1.06	1.06	.61	.30	3.95	
	0.00	.05	.34	.34	.19	.10	1.26	
NW	0	1	10	17	5	2	35	7.14
	0.00	.15	1.52	2.58	.76	.30	5.32	
	0.00	.05	.49	.82	.24	.10	1.67	
NNW	0	3	11	20	4	1	54	6.66
	0.00	.46	1.67	3.03	.61	.15	8.19	
	0.00	.15	.53	.97	.19	.05	2.62	
N	0	1	3	16	5	2	58	6.68
	0.00	.15	.46	2.43	.76	.30	8.80	
	0.00	.05	.15	.78	.24	.10	2.81	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	27	146	234	179	70	659	6.81
	.46	4.10	22.15	35.51	27.16	10.62	100.00	
	.15	1.31	7.08	11.35	8.69	3.40	31.97	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .20	1 .20	6 1.21	0 0.00	0 0.00	2 .60	11 2.21	5.51
NE	0 0.00	2 .59	7 2.67	0 0.00	0 0.00	1 .15	10 3.53	2.76
ENE	0 0.00	2 .60	1 .34	1 .41	0 0.00	0 0.00	4 1.02	4.24
E	0 0.00	0 0.00	1 .14	1 .41	0 0.00	1 .29	3 .76	5.17
ESE	0 0.00	0 0.00	2 .59	2 .82	1 .41	0 0.00	5 1.31	5.74
SE	0 0.00	0 0.00	2 .59	3 1.22	1 .41	0 0.00	6 1.53	5.94
SSE	0 0.00	0 0.00	2 .59	4 1.63	1 .41	0 0.00	7 1.84	5.65
S	0 0.00	1 .24	1 .29	1 .41	0 0.00	0 0.00	3 .79	6.66
SSW	0 0.00	0 0.00	1 .29	1 .41	0 0.00	0 0.00	2 .53	6.17
SW	0 0.00	0 0.00	2 .59	1 .41	0 0.00	0 0.00	3 .79	5.29
WSW	0 0.00	0 0.00	1 .29	1 .41	0 0.00	0 0.00	2 .53	4.39
W	0 0.00	0 0.00	1 .29	1 .41	0 0.00	0 0.00	2 .53	4.03
WNW	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0.00
NW	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0.00
NNW	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0.00
N	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0.00
CALM	0 0.00						0 0.00	CALM
TOTAL	4 .80 .19	50 10.06 2.43	178 35.81 8.64	186 37.42 9.02	61 12.27 2.96	18 3.62 .87	497 100.00 24.11	5.47

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	2 .84	4 1.67	0 0.00	0 0.00	0 0.00	6 2.51	3.05
NE	0 0.00	0 0.00	1 .42	0 0.00	0 0.00	0 0.00	1 .42	2.53
ENE	1 1.26	1 .42	1 .42	0 0.00	0 0.00	0 0.00	3 1.27	3.06
E	1 .46	1 .29	3 1.27	0 0.00	0 0.00	0 0.00	5 1.44	3.20
ESE	1 .42	0 0.00	2 .51	0 0.00	0 0.00	0 0.00	3 .85	3.47
SE	0 0.00	2 .46	5 1.86	0 0.00	0 0.00	0 0.00	7 1.81	3.63
SSE	0 0.00	6 1.28	9 1.13	2 .41	0 0.00	0 0.00	17 2.09	3.95
S	0 0.00	5 1.05	13 1.60	3 .39	0 0.00	0 0.00	21 2.57	3.66
SSW	1 .42	1 .29	5 1.86	0 0.00	0 0.00	0 0.00	7 1.79	3.06
SW	0 0.00	1 .84	1 .67	0 0.00	0 0.00	0 0.00	2 .95	3.47
WSW	0 0.00	0 0.00	2 .59	0 0.00	0 0.00	0 0.00	2 .53	2.84
W	1 .46	1 .29	1 .42	0 0.00	0 0.00	0 0.00	3 .79	3.33
WNW	0 0.00	1 .42	0 0.00	0 0.00	0 0.00	0 0.00	1 .26	3.07
NW	0 0.00	2 .59	2 .84	0 0.00	0 0.00	0 0.00	4 1.02	3.25
NNW	0 0.00	2 .84	2 .84	0 0.00	0 0.00	0 0.00	4 1.01	3.77
N	0 0.00	2 .84	1 .42	0 0.00	0 0.00	0 0.00	3 .76	3.34
CALM	0 0.00	2 .84	2 .84	2 .84	0 0.00	0 0.00	6 1.52	CALM
TOTAL	4 1.01 .34	29 7.34 2.44	71 17.97 5.94	143 36.20 11.97	59 14.94 4.94	7 1.77 .59	313 79.24 26.20	3.48

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL APRIL COMBINED

STABILITY CLASS PASQUILL G
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	4 2.58	4 2.58	0 0.00	0 0.00	0 0.00	8 5.16	3.31
	0.00	19	19	0.00	0.00	0.00	.09	
NE	1 .05	3 1.94	3 1.94	0 0.00	0 0.00	0 0.00	7 4.52	2.69
	0.00	15	15	0.00	0.00	0.00	.14	
ENE	0 0.00	1 .65	9 5.81	0 0.00	0 0.00	0 0.00	10 6.45	3.52
	0.00	.05	.44	0.00	0.00	0.00	.49	
E	0 0.00	3 1.29	15 9.68	0 0.00	0 0.00	0 0.00	17 10.97	3.48
	0.00	.10	.73	0.00	0.00	0.00	.82	
ESE	0 0.00	4 2.58	7 4.52	0 0.00	0 0.00	0 0.00	11 7.10	3.04
	0.00	.19	.34	0.00	0.00	0.00	.50	
SE	0 0.00	2 .39	14 9.03	0 0.00	0 0.00	0 0.00	16 17.42	3.10
	0.00	.63	.68	0.00	0.00	0.00	1.31	
SSE	1 .65	12 7.74	18 11.61	0 0.00	0 0.00	0 0.00	31 20.00	3.07
	.05	.58	.87	0.00	0.00	0.00	1.50	
S	1 .65	3 1.94	4 2.58	0 0.00	0 0.00	0 0.00	8 5.16	2.61
	.05	.15	.19	0.00	0.00	0.00	.39	
SSW	1 .65	2 1.29	0 0.00	0 0.00	0 0.00	0 0.00	3 1.94	2.30
	.05	.10	0.00	0.00	0.00	0.00	.15	
SW	0 0.00	1 .65	0 0.00	0 0.00	0 0.00	0 0.00	1 .65	2.80
	0.00	.05	0.00	0.00	0.00	0.00	.05	
WSW	2 1.29	2 1.29	0 0.00	0 0.00	0 0.00	0 0.00	4 2.58	1.65
	.10	.10	0.00	0.00	0.00	0.00	.19	
W	3 1.94	3 1.94	0 0.00	0 0.00	0 0.00	0 0.00	6 3.87	1.48
	.15	.15	0.00	0.00	0.00	0.00	.29	
WNW	2 1.29	3 1.94	0 0.00	0 0.00	0 0.00	0 0.00	5 3.23	1.90
	.10	.15	0.00	0.00	0.00	0.00	.24	
NW	1 .65	5 3.23	0 0.00	0 0.00	0 0.00	0 0.00	6 3.87	1.87
	.05	.24	0.00	0.00	0.00	0.00	.29	
NNW	0 0.00	1 .65	4 2.58	0 0.00	0 0.00	0 0.00	5 3.23	3.62
	0.00	.05	.19	0.00	0.00	0.00	.24	
N	0 0.00	3 1.94	3 1.94	0 0.00	0 0.00	0 0.00	6 3.87	3.18
	0.00	.15	.15	0.00	0.00	0.00	.29	
CALM	0 0.00						0 0.00	CALM
	0.00						0.00	
TOTAL	14 7.74	62 40.00	81 52.26	0 0.00	0 0.00	0 0.00	155 100.00	2.94
	.58	3.01	3.93	0.00	0.00	0.00	7.52	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL APRIL COMBINED

ALL CLASSES
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .05	14 .68	33 1.60	21 1.02	6 .29	3 .15	78 3.78	4.84
NE	5 .24	29 1.41	28 1.36	14 .68	0 0.00	0 0.00	76 3.69	3.47
ENE	1 .05	10 .49	39 1.89	14 .68	2 .10	0 0.00	66 3.20	4.15
E	2 .10	6 .29	55 2.67	22 1.07	4 .19	0 0.00	89 4.32	4.51
ESE	0 0.00	13 .63	50 2.43	53 2.57	13 .63	6 .29	135 6.55	5.52
SE	0 0.00	32 1.55	57 2.77	73 3.54	23 1.12	7 .34	192 9.32	5.40
SSE	2 .10	20 .96	95 4.61	71 3.44	50 2.43	25 1.21	273 13.25	5.99
S	3 .15	11 .53	55 2.67	87 4.22	96 4.66	53 2.57	302 14.65	7.55
SSW	1 .05	5 .24	32 1.55	56 2.72	46 2.23	20 .97	160 7.76	7.12
SW	0 0.00	12 .58	18 .87	16 .78	12 .58	11 .53	69 3.35	6.36
WSW	3 .15	11 .53	17 .82	15 .73	12 .58	4 .19	62 3.01	5.47
W	6 .29	5 .24	17 .82	17 .82	19 .92	0 0.00	64 3.11	5.46
WNW	4 .19	13 .63	24 1.16	16 .78	18 .87	4 .19	79 3.83	5.44
NW	1 .05	19 .92	36 1.75	37 1.80	39 1.89	14 .68	146 7.08	6.28
NNW	1 .05	9 .44	42 2.04	50 2.43	28 1.36	5 .24	135 6.55	5.91
N	1 .05	17 .82	38 1.84	47 2.28	25 1.21	7 .34	135 6.55	5.79
CALM	0 0.00						0 0.00	CALM
TOTAL	31 1.50	236 11.45	633 30.71	609 29.55	393 19.07	159 7.71	2061 100.00	5.92

NUMBER OF VALID OBSERVATIONS 2061 95.42 PCT
NUMBER OF INVALID OBSERVATIONS 99 4.58 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10:41:53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	6	7	9	1	0	23	4.66
	0.00	1.56	1.82	2.34	.26	0.00	5.99	
	0.00	.28	.32	.42	.05	0.00	1.07	
NE	1	4	6	0	0	0	11	3.52
	.26	1.04	1.56	0.00	0.00	0.00	2.86	
	.05	.19	.28	0.00	0.00	0.00	.51	
ENE	0	1	7	1	0	0	9	4.62
	0.00	.26	1.82	.26	0.00	0.00	2.34	
	0.00	.05	.32	.05	0.00	0.00	.42	
E	0	3	5	4	1	0	13	4.68
	0.00	.78	1.30	1.04	.26	0.00	3.39	
	0.00	.14	.23	.19	.05	0.00	.60	
ESE	0	5	6	5	3	0	19	5.57
	0.00	1.30	1.56	1.30	.78	0.00	4.94	
	0.00	.23	.28	.23	.14	0.00	.88	
SE	0	2	10	7	0	0	19	4.66
	0.00	.52	2.60	1.82	0.00	0.00	4.95	
	0.00	.09	.46	.32	0.00	0.00	.88	
SSE	0	3	11	8	3	0	25	5.18
	0.00	.78	2.86	2.08	.78	0.00	6.51	
	0.00	.14	.51	.37	.14	0.00	1.16	
S	0	0	4	5	2	0	11	7.79
	0.00	0.00	1.04	1.30	.52	0.00	2.86	
	0.00	0.00	.19	.23	.09	0.00	.51	
SSW	1	4	7	13	4	0	29	6.40
	.26	1.04	1.82	3.39	1.04	0.00	7.55	
	.05	.19	.32	.60	.19	0.00	1.34	
SW	0	1	9	4	5	0	19	6.40
	0.00	.26	2.34	1.04	1.30	0.00	4.94	
	0.00	.05	.42	.19	.23	0.00	.88	
WSW	0	4	0	0	0	0	4	2.35
	0.00	1.04	0.00	0.00	0.00	0.00	1.04	
	0.00	.19	0.00	0.00	0.00	0.00	.19	
W	0	1	0	1	0	0	2	4.05
	0.00	.26	0.00	.26	0.00	0.00	.52	
	0.00	.05	0.00	.05	0.00	0.00	.09	
WNW	0	0	0	0	0	0	0	2.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NW	1	2	7	3	0	0	13	5.12
	.26	.52	1.82	.78	0.00	0.00	3.39	
	.05	.09	.32	.14	0.00	0.00	.60	
NNW	1	0	1	5	2	0	9	5.14
	.26	0.00	.26	1.30	.52	0.00	2.34	
	.05	0.00	.05	.23	.09	0.00	.42	
N	0	2	3	5	0	0	10	5.38
	0.00	.52	.78	1.30	0.00	0.00	2.60	
	0.00	.09	.14	.23	0.00	0.00	.46	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	3	37	99	132	82	31	384	6.28
	.78	9.64	25.78	34.37	21.35	8.07	100.00	
	.14	1.72	4.59	6.12	3.80	1.44	17.80	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10:41:53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	3	1	1	0	5	5.26
	0.00	0.00	3.26	1.09	1.09	0.00	5.43	
	0.00	0.00	.14	.05	.05	0.00	.23	
NE	0	1	4	0	0	0	5	3.90
	0.00	1.09	4.35	0.00	0.00	0.00	5.43	
	0.00	.05	.19	0.00	0.00	0.00	.23	
ENE	0	1	0	1	0	0	2	5.83
	0.00	1.09	0.00	1.09	1.09	0.00	3.26	
	0.00	.05	0.00	.05	.05	0.00	.14	
E	0	0	0	1	0	3	4	10.05
	0.00	0.00	0.00	1.09	0.00	3.26	4.35	
	0.00	0.00	0.00	.05	0.00	.14	.19	
ESE	0	1	0	3	1	1	6	7.10
	0.00	1.09	0.00	3.26	1.09	1.09	6.52	
	0.00	.05	0.00	.14	.05	.05	.28	
SE	0	0	4	2	1	0	7	5.34
	0.00	0.00	4.35	2.17	1.09	0.00	7.61	
	0.00	0.00	.19	.09	.05	0.00	.32	
SSE	0	0	1	0	0	0	1	3.70
	0.00	0.00	1.09	0.00	0.00	0.00	1.09	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
S	0	1	1	8	11	2	23	7.76
	0.00	1.09	1.09	8.70	11.96	2.17	25.00	
	0.00	.05	.05	.37	.51	.09	1.07	
SSW	0	0	3	0	6	2	11	7.94
	0.00	0.00	3.26	0.00	6.52	2.17	11.96	
	0.00	0.00	.14	0.00	.28	.09	.51	
SW	0	0	0	1	4	0	5	7.98
	0.00	0.00	0.00	1.09	4.35	0.00	5.43	
	0.00	0.00	0.00	.05	.19	0.00	.23	
WSW	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
W	0	0	3	0	0	0	3	3.93
	0.00	0.00	3.26	0.00	0.00	0.00	3.26	
	0.00	0.00	.14	0.00	0.00	0.00	.14	
WNW	0	0	1	0	0	0	1	3.20
	0.00	0.00	1.09	0.00	0.00	0.00	1.09	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
NW	2	1	1	2	1	0	6	5.07
	2.17	1.09	1.09	2.17	1.09	0.00	6.52	
	.09	.05	.05	.09	.05	0.00	.28	
NNW	0	0	0	0	2	0	5	5.42
	0.00	0.00	3.26	0.00	2.17	0.00	5.43	
	0.00	0.00	.14	0.00	.09	0.00	.23	
N	0	2	2	1	2	0	7	5.07
	0.00	2.17	2.17	1.09	2.17	0.00	7.61	
	0.00	.09	.09	.05	.09	0.00	.32	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	3	8	26	20	30	8	93	6.53
	0.00	8.70	28.26	21.74	32.61	8.70	100.00	
	0.00	.37	1.21	.93	1.39	.37	4.27	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10:41:53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	3	2	2	0	0	7	3.96
	0.00	2.33	1.55	1.55	0.00	0.00	5.43	
	0.00	14	09	09	0.00	0.00	32	
NE	0	0	1	0	0	0	1	5.10
	0.000	0.000	0.001	78	0.000	0.000	78	
	0.000	0.000	0.001	05	0.000	0.000	05	
ENE	0	0	1	1	0	0	3	5.87
	0.00	0.00	78	78	78	0.00	2.33	
	0.00	0.00	05	05	05	0.00	14	
E	0	2	2	0	0	0	4	4.57
	0.00	1.55	1.55	0.00	0.00	0.00	4.65	
	0.00	09	09	0.00	0.00	0.00	28	
ESE	0	0	2	1	0	0	3	5.20
	0.00	0.00	1.55	1.55	0.00	0.00	3.10	
	0.00	0.00	09	09	0.00	0.00	19	
SE	0	0	4	2	0	0	6	4.58
	0.00	0.00	3.10	1.55	0.00	0.00	4.65	
	0.00	0.00	19	09	0.00	0.00	28	
SSE	0	0	2	1	1	0	4	6.26
	0.00	1.55	78	78	1.55	78	5.43	
	0.00	09	05	05	09	05	32	
S	1	1	6	8	10	3	29	6.97
	78	78	4.65	6.20	10.08	2.33	24.81	
	05	05	28	37	60	14	1.48	
SSW	1	1	4	5	7	2	20	7.38
	78	78	3.10	2.33	7.75	2.33	17.05	
	05	05	19	14	46	14	1.02	
SW	0	0	0	1	1	1	3	8.10
	0.00	0.00	0.00	1.55	78	78	2.33	
	0.00	0.00	0.00	09	05	05	14	
WSW	1	0	0	1	0	0	2	8.00
	0.00	0.00	0.00	0.00	78	0.00	78	
	0.00	0.00	0.00	0.00	05	0.00	05	
W	0	1	2	0	0	0	3	3.32
	0.00	1.55	2.33	0.00	0.00	0.00	3.88	
	0.00	09	14	0.00	0.00	0.00	24	
WNW	1	1	4	1	0	0	7	4.26
	78	78	3.10	78	0.00	0.00	6.20	
	05	05	19	05	0.00	0.00	37	
NW	1	0	0	2	0	0	3	4.65
	78	0.00	0.00	2.33	0.00	0.00	3.10	
	05	0.00	0.00	14	0.00	0.00	19	
NNW	0	1	2	1	1	0	5	5.45
	0.00	78	1.55	3.10	78	0.00	6.20	
	0.00	05	09	19	05	0.00	37	
N	0	1	0	3	4	0	9	6.90
	0.00	78	0.00	3.88	4.65	0.00	9.30	
	0.00	05	0.00	23	28	0.00	56	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	4	14	31	37	35	8	129	6.07
	3.10	10.85	24.03	28.68	27.13	6.20	100.00	
	19	65	1.44	1.72	1.62	37	5.98	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10:41:53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	1	19	19	3	3	46	5.73
	18	18	3.43	3.43	54	54	8.30	
	05	05	88	88	14	14	2.39	
NE	2	4	8	8	1	0	23	4.24
	36	78	2.53	1.44	18	0.00	5.23	
	09	19	65	37	05	0.00	1.34	
ENE	1	8	14	14	0	0	38	4.68
	18	1.44	2.17	2.53	54	0.00	6.86	
	05	37	56	65	14	0.00	1.76	
E	0	6	12	11	2	0	31	4.73
	0.00	1.08	2.17	1.99	36	0.00	5.60	
	0.00	28	56	51	09	0.00	1.44	
ESE	1	5	9	7	1	0	23	4.91
	18	90	1.62	2.89	18	0.00	5.78	
	05	23	42	74	05	0.00	1.48	
SE	1	7	15	10	1	0	38	4.93
	18	36	3.80	2.89	18	0.00	6.86	
	05	09	80	74	05	0.00	1.76	
SSE	0	7	13	10	3	0	33	4.92
	0.00	1.26	2.35	1.81	54	0.00	5.96	
	0.00	32	60	46	14	0.00	1.53	
S	1	8	17	40	24	9	119	7.47
	18	1.44	3.07	7.38	4.33	1.62	21.48	
	05	37	79	1.85	1.11	42	5.50	
SSW	1	1	6	18	11	8	45	7.51
	18	18	1.08	3.25	3.79	1.44	9.93	
	05	05	28	83	97	37	2.59	
SW	0	1	1	1	1	0	7	3.93
	0.00	78	18	18	18	0.00	1.29	
	0.00	05	05	05	05	0.00	32	
WSW	1	1	3	4	0	0	13	4.02
	18	54	90	72	0.00	0.00	2.39	
	05	14	23	19	0.00	0.00	60	
W	0	2	10	0	0	0	12	3.34
	0.00	78	1.81	0.00	0.00	0.00	2.59	
	0.00	19	46	0.00	0.00	0.00	65	
WNW	2	4	5	4	1	0	16	3.94
	36	72	90	72	18	0.00	2.89	
	09	19	23	19	05	0.00	74	
NW	0	1	2	2	1	0	6	6.10
	0.00	36	78	1.08	36	0.00	3.07	
	0.00	09	19	23	09	0.00	1.02	
NNW	0	2	6	5	2	0	15	5.19
	0.00	36	1.62	2.71	36	0.00	5.05	
	0.00	09	42	70	09	0.00	1.30	
N	0	7	11	9	3	0	30	5.14
	0.00	1.26	1.99	1.99	54	18	5.96	
	0.00	32	51	51	14	05	1.53	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	11	68	163	200	76	36	554	5.70
	1.99	12.27	29.42	36.10	13.72	6.50	100.00	
	51	3.15	7.56	9.27	3.52	1.67	25.68	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL MAY COMBINED

STABILITY CLASS PASQUILL E
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 10.41.53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4	9	16	0	0	0	29	5.02
	0.00	0.68	1.52	2.70	0.00	0.00	4.90	
	0.00	1.19	4.42	7.74	0.00	0.00	1.34	
NE	2	15	16	4	1	0	38	3.57
	0.34	2.03	2.70	0.68	0.17	0.00	5.91	
	0.09	0.56	0.74	0.19	0.05	0.00	1.82	
ENE	4	14	9	1	0	0	28	2.67
	0.68	2.36	1.52	0.17	0.00	0.00	4.73	
	0.19	0.65	0.42	0.05	0.00	0.00	1.30	
E	2	8	9	13	2	0	38	4.62
	0.34	1.35	1.52	2.20	0.34	0.00	4.73	
	0.09	0.37	0.42	0.60	0.09	0.00	1.80	
ESE	2	5	5	4	0	0	31	3.84
	0.34	0.84	0.58	0.68	0.00	0.00	5.24	
	0.09	0.23	0.23	0.19	0.00	0.00	1.44	
SE	1	10	24	9	1	1	46	4.21
	0.17	1.69	4.05	1.58	0.17	0.17	7.77	
	0.05	0.46	1.11	0.42	0.05	0.05	2.13	
SSE	1	16	25	5	3	2	52	4.35
	0.17	2.70	5.41	4.22	0.34	0.34	12.67	
	0.05	0.74	1.48	1.16	0.09	0.09	3.48	
S	2	13	25	88	31	15	174	6.42
	0.34	2.20	4.22	14.88	5.24	2.53	29.39	
	0.09	0.60	1.16	4.08	1.44	0.69	8.07	
SSW	2	7	11	8	5	0	33	4.50
	0.34	1.18	1.86	1.35	0.84	0.00	5.57	
	0.09	0.32	0.51	0.37	0.23	0.00	1.53	
SW	2	9	10	7	1	0	29	4.01
	0.34	1.52	1.69	1.18	0.17	0.00	4.90	
	0.09	0.42	0.46	0.32	0.05	0.00	1.34	
WSW	1	3	0	3	0	0	7	3.74
	0.17	0.51	0.00	0.51	0.00	0.00	1.18	
	0.05	0.14	0.00	0.14	0.00	0.00	0.32	
W	2	1	3	1	0	0	7	3.42
	0.34	0.17	0.51	0.17	0.00	0.00	1.18	
	0.09	0.05	0.14	0.05	0.00	0.00	0.32	
WNW	2	4	4	1	1	0	12	3.21
	0.34	0.68	0.68	0.17	0.17	0.00	2.03	
	0.09	0.19	0.19	0.05	0.05	0.00	0.56	
NW	1	2	4	2	0	0	9	3.68
	0.17	0.34	0.68	0.34	0.00	0.00	1.52	
	0.05	0.09	0.19	0.09	0.00	0.00	0.42	
NNW	2	2	12	11	0	0	27	5.04
	0.00	0.34	2.03	1.86	0.34	0.00	4.56	
	0.00	0.09	0.56	0.51	0.09	0.00	1.25	
N	1	4	3	5	1	0	14	4.62
	0.17	0.68	0.51	0.84	0.17	0.00	2.36	
	0.05	0.19	0.14	0.23	0.05	0.00	0.65	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	23	108	195	202	37	23	592	4.82
	3.96	18.24	32.94	34.12	6.25	3.89	100.00	
	1.06	5.01	9.04	9.36	1.72	1.07	27.45	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL MAY COMBINED

STABILITY CLASS PASQUILL F
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 10.41.53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3	4	0	0	0	0	9	3.19
	0.00	2.17	1.74	0.00	0.00	0.00	3.91	
	0.00	1.23	1.09	0.00	0.00	0.00	4.42	
NE	3	9	1	0	0	0	23	3.11
	0.00	5.65	3.91	0.00	0.00	0.00	10.00	
	0.00	0.60	0.42	0.00	0.00	0.00	1.07	
ENE	1	10	0	0	0	0	24	2.88
	0.43	4.35	5.65	0.00	0.00	0.00	10.43	
	0.05	0.46	0.60	0.00	0.00	0.00	1.11	
E	1	8	13	1	0	0	23	3.17
	0.43	3.48	5.65	0.43	0.00	0.00	10.00	
	0.05	0.37	0.60	0.05	0.00	0.00	1.07	
ESE	2	8	0	0	0	0	20	2.97
	0.87	3.48	0.00	0.00	0.00	0.00	9.57	
	0.09	0.56	0.37	0.00	0.00	0.00	1.02	
SE	2	16	3	0	0	0	21	2.60
	0.00	6.96	2.17	0.00	0.00	0.00	9.13	
	0.00	0.74	0.23	0.00	0.00	0.00	0.97	
SSE	2	20	6	0	0	0	29	2.83
	0.00	8.70	2.61	0.00	0.00	0.00	12.61	
	0.00	0.92	0.42	0.00	0.00	0.00	1.34	
S	4	17	5	4	0	0	30	3.16
	0.43	3.04	1.52	0.43	0.00	0.00	8.70	
	0.09	0.79	0.23	0.09	0.00	0.00	1.39	
SSW	2	3	0	0	0	0	8	2.86
	0.87	1.30	1.30	0.00	0.00	0.00	3.48	
	0.09	0.14	0.14	0.00	0.00	0.00	0.37	
SW	2	5	0	0	0	0	7	2.30
	0.00	2.17	0.00	0.00	0.00	0.00	2.17	
	0.00	0.23	0.00	0.00	0.00	0.00	0.32	
WSW	1	1	0	0	0	0	3	2.12
	0.87	0.87	0.43	0.00	0.00	0.00	2.17	
	0.09	0.09	0.05	0.00	0.00	0.00	0.23	
W	1	1	3	0	0	0	5	2.44
	0.87	0.43	0.87	0.00	0.00	0.00	2.17	
	0.09	0.05	0.09	0.00	0.00	0.00	0.23	
WNW	0	2	2	0	0	0	4	2.60
	0.00	0.87	0.87	0.00	0.00	0.00	1.74	
	0.00	0.09	0.09	0.00	0.00	0.00	0.19	
NW	1	1	4	0	0	0	6	2.58
	0.00	2.17	1.74	0.00	0.00	0.00	2.61	
	0.00	0.23	0.05	0.00	0.00	0.00	0.28	
NNW	1	4	0	0	0	0	8	2.20
	0.43	3.04	0.00	0.00	0.00	0.00	3.48	
	0.05	0.32	0.00	0.00	0.00	0.00	0.37	
N	2	7	9	0	0	0	18	3.11
	0.87	3.04	3.04	0.87	0.00	0.00	7.83	
	0.09	0.32	0.32	0.09	0.00	0.00	0.83	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	23	123	89	7	1	0	230	2.89
	6.09	32.48	38.70	1.30	0.43	0.00	100.00	
	1.06	5.70	4.13	0.14	0.05	0.00	10.66	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.41.53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3 1.70 14	6 3.41 28	15 8.52 70	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	24 13.64 1.11	3.10
NE	2 1.70 14	4 2.27 19	4 2.27 19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 6.25 51	2.35
ENE	0 0.00 0.00	9 5.11 42	2 1.14 09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 6.25 51	2.59
E	1 1.14 09	7 3.98 32	2 1.14 09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	10 5.68 46	2.32
ESE	1 57 05	8 4.55 37	2 1.14 09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 6.25 51	2.29
SE	0 1.70 14	9 5.11 42	1 57 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	10 7.39 60	2.27
SSE	1 57 05	6 3.41 28	3 1.70 14	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	10 5.68 46	2.69
S	1 57 05	10 5.68 70	4 2.27 19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	20 11.36 93	2.55
SSW	2 1.14 09	0 0.00 0.00	2 1.14 09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 2.27 19	2.47
SW	1 57 05	1 57 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.14 09	2.00
WSW	1 57 05	1 57 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.14 09	1.75
W	4 2.27 19	4 2.27 19	1 57 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9 5.11 42	1.68
WNW	2 1.14 09	10 5.68 46	1 57 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 6.25 51	2.35
NW	1 57 05	11 6.25 51	1 57 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	13 7.39 60	2.10
NNW	0 0.00 0.00	9 5.11 42	1 57 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	10 5.68 46	2.48
N	2 1.14 09	8 4.55 37	5 2.84 23	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	15 8.52 70	2.56
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	25 14.20 1.16	108 61.36 5.01	43 24.43 1.99	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	176 100.00 8.14	2.46

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.41.53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 19	25 1.16	59 2.74	47 2.18	5 23	3 14	143 6.63	4.71
NE	8 37	36 1.67	53 2.46	15 70	3 14	0 0.00	115 5.33	3.55
ENE	6 28	43 1.99	44 2.04	18 83	5 23	0 0.00	116 5.38	3.68
E	5 23	28 1.30	42 1.95	32 1.48	5 23	3 14	115 5.33	4.35
ESE	6 28	37 1.72	47 2.18	31 1.44	5 23	4 19	130 6.03	4.34
SE	5 23	39 1.81	66 3.06	36 1.67	3 14	1 05	150 6.95	4.12
SSE	1 05	53 2.46	71 3.29	44 2.04	10 46	1 05	180 8.34	4.30
S	9 42	45 2.09	69 3.20	172 7.97	103 4.78	60 2.78	458 21.23	6.70
SSW	9 42	15 70	34 1.58	46 2.13	80 3.71	29 1.34	213 9.87	7.18
SW	3 14	20 93	20 93	15 70	11 51	4 19	73 3.38	4.99
WSW	5 23	13 60	6 28	7 32	1 05	0 0.00	32 1.48	3.43
W	8 37	13 60	22 1.02	2 09	0 0.00	0 0.00	45 2.09	2.99
WNW	5 23	23 1.07	17 79	6 28	3 14	0 0.00	54 2.50	3.34
NW	4 19	22 1.02	16 74	32 1.48	6 28	0 0.00	80 3.71	4.52
NNW	1 05	23 1.07	36 1.67	50 2.32	7 32	0 0.00	117 5.42	4.74
N	5 23	31 1.44	44 2.04	41 1.90	14 65	1 05	136 6.31	4.71
CALM	0 0.00						0 0.00	CALM
TOTAL	81 3.8	466 21.60	646 29.95	594 27.54	261 12.10	106 4.91	2157 100.00	5.06

NUMBER OF VALID OBSERVATIONS 2157 96.64 PCT
NUMBER OF INVALID OBSERVATIONS 75 3.36 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	4 1.05 20	8 2.09 39	12 3.14 59	1 .26 05	0 0.00 0.00	25 6.54 1.20	5.11
NE	0 0.00 0.00	3 .79 15	11 2.88 54	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	14 3.66 .69	3.89
ENE	5 1.05 .10	5 1.05 .10	2 .42 .49	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	14 2.86 .69	3.15
E	0 0.00 0.00	0 0.00 0.00	3 .79 .15	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 .79 .15	3.90
ESE	0 0.00 0.00	1 .26 .05	3 .79 .15	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 1.05 .20	3.04
SE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .26 .05	1 .26 .05	3.70
SSE	0 0.00 0.00	1 .26 .05	3 .79 .15	2 .53 .10	0 0.00 0.00	0 0.00 0.00	6 1.58 .30	4.30
S	0 0.00 0.00	1 .26 .05	3 .79 .15	2 .53 .10	0 0.00 0.00	0 0.00 0.00	6 1.58 .30	4.17
SSW	0 0.00 0.00	2 .53 .10	4 1.05 .20	8 2.11 .39	5 1.32 .25	2 .53 .10	21 5.54 1.04	6.96
SW	0 0.00 0.00	0 0.00 0.00	6 1.58 .30	7 1.85 .34	6 1.58 .30	3 .79 .15	25 6.60 1.24	5.53
WSW	0 0.00 0.00	1 .26 .05	2 .53 .10	2 .53 .10	2 .53 .10	0 0.00 0.00	7 1.85 .35	3.29
W	0 0.00 0.00	1 .26 .05	2 .53 .10	1 .26 .05	0 0.00 0.00	0 0.00 0.00	4 1.05 .20	3.83
WNW	0 0.00 0.00	1 .26 .05	3 .79 .15	1 .26 .05	0 0.00 0.00	0 0.00 0.00	5 1.32 .25	5.14
NW	1 .26 .05	3 .79 .15	0 0.00 0.00	1 .26 .05	0 0.00 0.00	0 0.00 0.00	5 1.32 .25	4.12
NNW	1 .26 .05	0 0.00 0.00	2 .53 .10	2 .53 .10	0 0.00 0.00	0 0.00 0.00	5 1.32 .25	6.25
N	0 0.00 0.00	1 .26 .05	3 .79 .15	1 .26 .05	0 0.00 0.00	0 0.00 0.00	5 1.32 .25	5.59
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	4 1.05 .20	38 10.00 1.89	119 31.31 5.92	120 31.41 5.92	22 16.20 3.06	10 4.97 .94	382 100.00 18.85	5.57

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.11 .05	0 0.00 0.00	0 0.00 0.00	1 1.11 .05	6.10
NE	0 0.00 0.00	2 2.22 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.22 .10	2.15
ENE	0 0.00 0.00	1 1.11 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.11 .05	1.70
E	0 0.00 0.00	0 0.00 0.00	1 1.11 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.11 .05	3.90
ESE	0 0.00 0.00	0 0.00 0.00	1 1.11 .05	2 2.22 .10	0 0.00 0.00	0 0.00 0.00	3 3.33 .15	5.17
SE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.22 .10	0 0.00 0.00	0 0.00 0.00	2 2.22 .10	5.50
SSE	0 0.00 0.00	0 0.00 0.00	1 1.11 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.11 .05	5.00
S	0 0.00 0.00	3 3.33 .15	2 2.22 .10	10 10.00 .44	11 11.11 .49	1 1.11 .05	27 7.78 1.23	6.84
SSW	0 0.00 0.00	1 1.11 .05	4 4.44 .20	8 8.89 .39	2 2.22 .10	1 1.11 .05	17 7.78 .79	5.79
SW	0 0.00 0.00	0 0.00 0.00	3 3.33 .15	2 2.22 .10	0 0.00 0.00	0 0.00 0.00	5 5.56 .25	5.20
WSW	0 0.00 0.00	0 0.00 0.00	1 1.11 .05	1 1.11 .05	0 0.00 0.00	1 1.11 .05	3 3.33 .15	7.47
W	0 0.00 0.00	4 4.44 .20	2 2.22 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 6.67 .30	2.85
WNW	0 0.00 0.00	3 3.33 .15	2 2.22 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5 5.56 .25	3.24
NW	0 0.00 0.00	3 3.33 .15	0 0.00 0.00	4 4.44 .20	0 0.00 0.00	0 0.00 0.00	7 7.78 .35	4.07
NNW	0 0.00 0.00	0 0.00 0.00	4 4.44 .20	5 5.56 .25	0 0.00 0.00	0 0.00 0.00	10 10.00 .44	5.53
N	0 0.00 0.00	3 3.33 .15	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.33 .15	2.20
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	0 0.00 0.00	22 22.22 .99	23 23.23 1.04	37 37.78 1.68	13 13.13 .59	3 3.33 .15	100 100.00 4.44	5.31

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	2	0	0	0	2	4.10
	0.00	0.00	2.06	0.00	0.00	0.00	2.06	
	0.00	0.00	10	0.00	0.00	0.00	10	
NE	1	1	0	0	0	0	2	2.15
	1.03	1.03	0.00	0.00	0.00	0.00	2.06	
	05	05	0.00	0.00	0.00	0.00	10	
ENE	1	1	0	0	0	0	2	2.70
	0.00	1.03	0.00	0.00	0.00	0.00	1.03	
	0.00	05	0.00	0.00	0.00	0.00	05	
E	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	0	0	1	0	0	0	1	4.40
	0.00	0.00	1.03	0.00	0.00	0.00	1.03	
	0.00	0.00	05	0.00	0.00	0.00	05	
SE	0	0	3	1	0	0	4	4.52
	0.00	0.00	3.09	1.03	0.00	0.00	4.12	
	0.00	0.00	15	05	0.00	0.00	20	
SSE	0	1	3	4	1	0	9	5.10
	0.00	1.03	3.09	4.12	1.03	0.00	9.28	
	0.00	05	15	20	05	0.00	44	
S	0	1	4	13	10	1	28	6.84
	0.00	1.03	4.12	12.37	10.31	1.03	28.87	
	0.00	05	20	59	49	05	1.38	
SSW	0	0	2	2	4	1	9	6.38
	0.00	0.00	2.06	2.06	4.12	1.03	9.28	
	0.00	0.00	10	10	20	05	44	
SW	0	3	2	10	4	2	21	6.55
	0.00	3.09	2.06	10.31	4.12	2.06	21.65	
	0.00	15	10	49	20	10	1.04	
WSW	0	0	0	0	1	2	3	9.67
	0.00	0.00	0.00	0.00	1.03	2.06	3.09	
	0.00	0.00	0.00	0.00	05	10	15	
W	0	0	0	0	0	1	1	11.70
	0.00	0.00	0.00	0.00	0.00	1.03	1.03	
	0.00	0.00	0.00	0.00	0.00	05	05	
WNW	0	1	1	0	0	1	3	6.10
	0.00	1.03	1.03	0.00	0.00	1.03	3.09	
	0.00	05	05	0.00	0.00	05	15	
NW	0	2	4	1	0	0	7	4.06
	0.00	2.06	4.12	1.03	0.00	0.00	7.22	
	0.00	10	20	05	0.00	0.00	35	
NNW	0	1	5	3	0	0	9	4.60
	0.00	1.03	5.15	3.09	0.00	0.00	9.28	
	0.00	05	25	15	0.00	0.00	44	
N	0	1	4	0	0	0	5	4.08
	0.00	1.03	4.12	0.00	0.00	0.00	5.15	
	0.00	05	20	0.00	0.00	0.00	25	
CALM	0	0	0	0	1	0	1	7.70
	0.00	0.00	0.00	0.00	1.03	0.00	1.03	
	0.00				05	0.00	05	
							0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	12	29	31	17	7	97	5.84
	1.03	12.37	29.90	31.96	17.53	7.22	100.00	
	05	59	1.43	1.53	84	35	4.79	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	3	7	2	0	0	12	4.07
	0.00	62	1.44	41	0.00	0.00	2.48	
	0.00	15	35	10	0.00	0.00	59	
NE	0	4	7	1	0	0	12	3.35
	0.00	82	1.44	21	0.00	0.00	2.46	
	0.00	20	35	05	0.00	0.00	59	
ENE	0	2	4	2	0	0	8	3.71
	0.00	41	2.46	41	0.00	0.00	3.29	
	0.00	10	59	10	0.00	0.00	79	
E	0	3	5	2	2	0	23	3.95
	0.00	1.44	2.46	41	41	0.00	4.72	
	0.00	35	59	10	10	0.00	1.13	
ESE	1	4	4	2	0	0	11	4.18
	21	82	2.05	41	0.00	0.00	3.90	
	05	20	49	05	0.00	0.00	94	
SE	0	1	13	7	0	0	21	3.49
	0.00	1.44	2.67	0.00	0.00	0.00	4.31	
	0.00	35	84	0.00	0.00	0.00	1.04	
SSE	1	2	14	5	2	0	24	4.52
	21	2.05	4.93	3.29	41	0.00	10.88	
	05	49	1.18	79	10	0.00	2.61	
S	2	1	7	8	4	0	135	6.16
	41	1.85	7.80	8.41	4.12	0.00	27.72	
	05	44	1.80	2.02	1.03	0.00	6.85	
SSW	0	4	18	35	9	0	66	6.49
	0.00	82	3.70	7.19	4.53	1.23	17.45	
	0.00	20	89	1.73	1.09	30	4.19	
SW	0	1	5	2	1	0	12	5.36
	0.00	41	1.23	41	21	0.00	2.46	
	0.00	10	49	10	05	0.00	59	
WSW	1	2	4	2	0	0	9	3.20
	21	82	1.64	41	0.00	0.00	1.85	
	05	15	39	10	0.00	0.00	44	
W	0	2	5	4	1	0	12	4.77
	0.00	82	1.44	0.00	0.00	41	2.46	
	0.00	15	35	0.00	0.00	10	59	
WNW	1	1	4	2	1	0	11	5.73
	21	21	82	41	21	0.00	2.26	
	05	05	20	10	05	0.00	54	
NW	0	2	12	8	0	0	22	4.57
	0.00	41	2.46	1.64	0.00	0.00	4.51	
	0.00	05	29	20	0.00	0.00	84	
NNW	1	2	13	7	0	0	23	4.60
	21	41	2.67	1.44	0.00	0.00	4.73	
	05	10	64	35	0.00	0.00	1.43	
N	0	1	12	8	0	0	21	3.90
	0.00	1.03	2.46	1.64	0.00	0.00	4.31	
	0.00	25	59	40	0.00	0.00	1.04	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	8	67	198	126	74	16	487	5.18
	1.65	13.76	40.66	25.87	15.20	3.29	100.00	
	20	3.31	9.77	6.22	3.65	79	24.03	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	1	5	1	0	0	8	3.77
	.17	.17	.86	.17	0.00	0.00	1.38	
	.05	.05	.25	.05	0.00	0.00	.39	
NE	1	8	7	2	0	0	18	3.28
	.17	1.38	1.21	.35	0.00	0.00	3.11	
	.05	.39	.35	.10	0.00	0.00	.89	
ENE	0	6	6	1	0	0	13	3.10
	0.00	1.04	1.04	.17	0.00	0.00	2.25	
	0.00	.30	.30	.05	0.00	0.00	.64	
E	5	6	6	1	0	0	18	2.84
	.52	1.04	1.55	0.00	0.00	0.00	3.11	
	.15	.30	.44	0.00	0.00	0.00	.89	
ESE	1	7	7	2	0	0	17	3.46
	.17	1.21	1.21	.35	0.00	0.00	2.94	
	.05	.35	.35	.10	0.00	0.00	.84	
SE	0	10	11	3	0	0	24	3.52
	0.00	1.73	1.90	.52	0.00	0.00	4.15	
	0.00	.49	.54	.15	0.00	0.00	1.18	
SSE	1	11	18	5	0	0	35	4.39
	.17	1.90	3.11	.86	0.00	0.00	6.05	
	.05	.54	.89	.25	0.00	0.00	1.68	
S	2	21	24	10	3	0	60	4.99
	.35	3.63	4.15	1.73	.52	0.00	10.36	
	.10	1.04	1.19	.50	.15	0.00	2.99	
SSW	1	10	8	7	1	0	27	5.80
	.17	1.73	1.38	1.21	.17	0.00	4.66	
	.05	.49	.39	.35	.05	0.00	1.33	
SW	0	10	16	4	3	0	33	4.18
	0.00	1.73	2.76	.69	.52	0.00	5.70	
	0.00	.49	.79	.20	.15	0.00	1.63	
WSW	0	7	4	3	0	0	14	3.33
	0.00	1.21	.69	.52	0.00	0.00	2.42	
	0.00	.35	.20	.15	0.00	0.00	.69	
W	0	8	5	1	0	0	14	3.26
	0.00	1.38	.86	0.00	0.00	0.00	2.42	
	0.00	.39	.25	0.00	0.00	0.00	.69	
WNW	0	4	4	2	0	0	10	4.29
	0.00	.86	1.04	.86	0.00	0.00	2.76	
	0.00	.25	.30	.25	0.00	0.00	.79	
NW	1	5	4	3	0	0	13	4.84
	.17	.52	.69	.52	0.00	0.00	2.25	
	.05	.15	.20	.15	0.00	0.00	.64	
NNW	0	5	4	1	0	0	10	5.17
	0.00	.52	1.04	.69	0.00	0.00	2.28	
	0.00	.15	.30	.20	0.00	0.00	.94	
N	0	5	5	1	0	0	11	3.27
	0.00	.86	.86	.17	0.00	0.00	1.90	
	0.00	.25	.25	.05	0.00	0.00	.54	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	10	121	255	146	39	8	579	4.57
	1.73	20.90	44.04	25.22	6.74	1.38	100.00	
	.49	5.97	12.58	7.20	1.92	.39	28.56	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	10	2	0	0	0	12	2.69
	0.00	4.46	.89	0.00	0.00	0.00	5.36	
	0.00	.49	.10	0.00	0.00	0.00	.59	
NE	2	9	3	0	0	0	14	2.34
	.89	4.02	1.34	0.00	0.00	0.00	6.25	
	.10	.44	.15	0.00	0.00	0.00	.69	
ENE	1	5	1	0	0	0	7	2.16
	.45	2.23	.45	0.00	0.00	0.00	3.12	
	.05	.25	.05	0.00	0.00	0.00	.35	
E	1	4	2	0	0	0	7	2.76
	.45	1.79	.89	0.00	0.00	0.00	3.12	
	.05	.20	.10	0.00	0.00	0.00	.35	
ESE	3	12	1	0	0	0	16	2.50
	.89	5.36	.89	0.00	0.00	0.00	7.14	
	.10	.59	.10	0.00	0.00	0.00	.79	
SE	1	5	5	0	0	0	11	2.61
	.45	2.23	2.23	0.00	0.00	0.00	4.91	
	.05	.25	.25	0.00	0.00	0.00	.54	
SSE	2	13	2	0	0	0	17	2.69
	.89	5.80	.89	0.00	0.00	0.00	7.59	
	.10	.64	.10	0.00	0.00	0.00	.84	
S	3	10	3	0	0	0	16	3.14
	.45	4.46	1.34	0.00	0.00	0.00	7.14	
	.05	.49	.15	0.00	0.00	0.00	.79	
SSW	2	4	1	0	0	0	7	2.59
	.89	1.79	.45	0.00	0.00	0.00	3.12	
	.10	.20	.05	0.00	0.00	0.00	.35	
SW	1	4	2	0	0	0	7	2.14
	.45	1.79	.89	0.00	0.00	0.00	3.12	
	.05	.20	.10	0.00	0.00	0.00	.35	
WSW	1	2	1	0	0	0	4	2.20
	.45	.89	.45	0.00	0.00	0.00	1.79	
	.05	.10	.05	0.00	0.00	0.00	.20	
W	2	2	1	0	0	0	5	2.12
	.89	.89	.45	0.00	0.00	0.00	2.23	
	.10	.10	.05	0.00	0.00	0.00	.25	
WNW	0	2	1	0	0	0	3	2.82
	0.00	.89	.45	0.00	0.00	0.00	1.34	
	0.00	.10	.05	0.00	0.00	0.00	.15	
NW	1	3	1	0	0	0	5	2.00
	.45	1.34	.45	0.00	0.00	0.00	2.23	
	.05	.15	.05	0.00	0.00	0.00	.25	
NNW	1	3	1	0	0	0	5	2.82
	.45	1.34	.45	0.00	0.00	0.00	2.23	
	.05	.15	.05	0.00	0.00	0.00	.25	
N	2	6	2	0	0	0	8	2.60
	0.00	2.68	.89	0.00	0.00	0.00	3.57	
	0.00	.30	.10	0.00	0.00	0.00	.39	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	20	132	72	0	0	0	224	2.64
	8.93	58.93	32.14	0.00	0.00	0.00	100.00	
	.99	6.51	3.55	0.00	0.00	0.00	11.05	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL JUNE COMBINED

STABILITY CLASS PASQUILL G
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 10 54 26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 1.19	12 7.14	3 1.79	0 0.00	0 0.00	0 0.00	17 10.12	2.49
NE	1 .60	10 5.95	5 2.98	0 0.00	0 0.00	0 0.00	16 9.52	2.91
ENE	2 1.19	5 2.98	0 0.00	0 0.00	0 0.00	0 0.00	7 4.17	2.01
E	1 .60	6 3.57	2 1.19	0 0.00	0 0.00	0 0.00	9 5.36	2.35
ESE	1 .60	3 1.79	4 2.38	0 0.00	0 0.00	0 0.00	8 4.76	2.59
SE	0 0.00	3 1.79	4 2.38	0 0.00	0 0.00	0 0.00	7 4.17	2.76
SSE	1 .60	2 1.19	1 .60	0 0.00	0 0.00	0 0.00	4 2.38	2.52
S	1 .60	5 2.98	3 1.79	0 0.00	0 0.00	0 0.00	9 5.36	2.34
SSW	2 1.19	3 1.79	3 1.79	0 0.00	0 0.00	0 0.00	8 4.76	2.30
SW	2 1.19	3 1.79	1 .60	0 0.00	0 0.00	0 0.00	6 3.57	1.95
WSW	1 .60	1 .60	0 0.00	0 0.00	0 0.00	0 0.00	2 1.19	1.75
W	0 0.00	1 .60	1 .60	0 0.00	0 0.00	0 0.00	2 1.19	1.76
WNW	0 0.00	1 .60	1 .60	0 0.00	0 0.00	0 0.00	2 1.19	3.10
NW	1 .60	2 1.19	2 1.19	0 0.00	0 0.00	0 0.00	5 2.98	1.85
NNW	2 1.19	5 2.98	0 0.00	0 0.00	0 0.00	0 0.00	7 4.17	1.93
N	1 .60	5 2.98	2 1.19	0 0.00	0 0.00	0 0.00	8 4.76	2.51
CALM	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	CALM
TOTAL	14 8.33	117 69.64	26 15.48	0 0.00	0 0.00	0 0.00	168 100.00	2.32

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL JUNE COMBINED

ALL CLASSES
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 10 54 26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .15	20 1.48	27 1.33	16 .79	1 .05	0 0.00	77 3.80	3.84
NE	9 .30	32 1.58	28 1.38	3 .15	0 0.00	0 0.00	69 3.40	3.03
ENE	4 .20	20 .99	29 1.43	3 .15	0 0.00	0 0.00	56 2.76	3.08
E	5 .25	24 1.18	28 1.38	2 .10	2 .10	0 0.00	61 3.01	3.28
ESE	4 .20	30 1.48	28 1.38	5 .25	3 .15	0 0.00	70 3.45	3.43
SE	2 .10	43 2.12	37 1.83	8 .39	1 .05	0 0.00	91 4.49	3.26
SSE	7 .35	71 3.50	107 5.28	52 2.57	6 .30	0 0.00	243 11.99	3.94
S	5 .25	59 2.91	193 9.03	145 7.15	100 4.93	11 .54	503 24.81	5.51
SSW	6 .30	33 1.63	77 3.80	128 6.31	63 3.11	29 1.43	336 16.58	6.12
SW	4 .20	25 1.23	35 1.73	17 .84	8 .39	6 .30	95 4.69	4.68
WSW	4 .20	26 1.28	13 .64	5 .25	0 0.00	2 .10	50 2.47	3.25
W	1 .05	27 1.33	26 1.28	2 .10	1 .05	3 .15	60 2.96	3.74
WNW	2 .10	22 1.09	23 1.13	14 .69	1 .05	2 .10	64 3.16	4.13
NW	5 .25	23 1.13	21 1.04	15 .74	4 .20	0 0.00	68 3.35	3.92
NNW	5 .25	23 1.13	36 1.78	34 1.68	7 .35	0 0.00	105 5.18	4.51
N	3 .15	39 1.92	22 1.09	8 .39	7 .35	0 0.00	79 3.90	3.57
CALM	0 0.00						0 0.00	CALM
TOTAL	66 3.26	527 26.00	720 35.52	457 22.55	204 10.06	53 2.61	2027 100.00	4.60

NUMBER OF VALID OBSERVATIONS 2027 93.84 PCT
NUMBER OF INVALID OBSERVATIONS 133 6.16 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL JULY COMBINED

STABILITY CLASS PASQUILL A
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13 42 02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0.00	1	5	7	1	0	14	5.20
	0.00	0.59	1.69	1.77	0.25	0.00	3.54	
	0.00	0.00	0.42	0.33	0.05	0.00	0.65	
NE	0	0	5	4	0	0	9	5.21
	0.00	0.00	1.27	1.01	0.00	0.00	2.27	
	0.00	0.00	0.33	0.19	0.00	0.00	0.42	
ENE	0	0	3	10	0	0	13	4.70
	0.00	0.00	0.76	2.53	0.00	0.00	3.29	
	0.00	0.00	0.25	0.47	0.00	0.00	0.72	
E	0	0	5	3	0	0	8	4.46
	0.00	0.00	1.27	0.76	0.00	0.00	2.03	
	0.00	0.00	0.42	0.14	0.00	0.00	0.55	
ESE	0	0	2	3	0	0	5	3.74
	0.00	0.00	0.51	0.76	0.00	0.00	1.27	
	0.00	0.00	0.17	0.14	0.00	0.00	0.34	
SE	0	1	4	3	0	0	8	4.03
	0.00	0.25	1.01	0.76	0.00	0.00	2.03	
	0.00	0.08	0.25	0.14	0.00	0.00	0.47	
SSE	0	0	3	4	0	0	7	4.07
	0.00	0.00	0.76	1.01	0.00	0.00	1.77	
	0.00	0.00	0.17	0.19	0.00	0.00	0.33	
S	0	0	3	4	1	0	8	4.07
	0.00	0.00	0.76	1.01	0.25	0.00	2.03	
	0.00	0.00	0.17	0.19	0.05	0.00	0.39	
SSW	0	0	4	8	2	0	14	5.84
	0.00	0.00	1.01	2.03	0.51	0.00	3.55	
	0.00	0.00	0.19	0.38	0.09	0.00	0.66	
SW	0	0	5	16	5	0	26	6.64
	0.00	0.00	1.27	4.06	1.27	0.00	6.60	
	0.00	0.00	0.24	0.75	0.24	0.00	1.23	
WSW	0	0	4	4	1	0	9	5.27
	0.00	0.00	1.01	1.01	0.25	0.00	2.28	
	0.00	0.00	0.19	0.19	0.05	0.00	0.42	
W	0	0	3	3	0	0	6	4.49
	0.00	0.00	0.76	0.76	0.00	0.00	1.52	
	0.00	0.00	0.14	0.14	0.00	0.00	0.28	
WNW	0	0	1	2	0	0	3	4.69
	0.00	0.00	0.25	0.51	0.00	0.00	0.76	
	0.00	0.00	0.05	0.09	0.00	0.00	0.14	
NW	0	0	1	1	0	0	2	3.89
	0.00	0.00	0.25	0.25	0.00	0.00	0.51	
	0.00	0.00	0.05	0.05	0.00	0.00	0.09	
NNW	0	0	3	3	0	0	6	2.97
	0.00	0.00	0.76	0.76	0.00	0.00	1.52	
	0.00	0.00	0.14	0.14	0.00	0.00	0.28	
N	0	0	2	0	0	0	2	5.60
	0.00	0.00	0.51	0.00	0.00	0.00	0.51	
	0.00	0.00	0.09	0.00	0.00	0.00	0.09	
CALM	0	0	4	0	0	0	4	4.88
	0.00	0.00	1.01	0.00	0.00	0.00	1.01	
	0.00	0.00	0.19	0.00	0.00	0.00	0.19	
	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	2	16	141	173	19	25	396	5.45
	0.51	9.09	35.61	43.69	4.80	6.31	100.00	
	0.09	1.89	6.62	8.12	0.89	1.17	18.58	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL JULY COMBINED

STABILITY CLASS PASQUILL B
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13 42 02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	2	3	1	0	0	6	3.97
	0.00	1.94	2.91	.97	0.00	0.00	5.83	
	0.00	.09	.14	0.05	0.00	0.00	.28	
NE	1	3	0	0	0	0	4	1.72
	.97	2.91	0.00	0.00	0.00	0.00	3.88	
	0.05	.14	0.00	0.00	0.00	0.00	.19	
ENE	0	0	2	0	0	0	2	4.15
	0.00	0.00	1.94	0.00	0.00	0.00	1.94	
	0.00	0.00	.09	0.00	0.00	0.00	.09	
E	0	0	2	0	0	0	2	4.20
	0.00	0.00	1.94	0.00	0.00	0.00	1.94	
	0.00	0.00	.09	0.00	0.00	0.00	.09	
ESE	0	1	0	1	0	0	2	3.10
	0.00	1.94	0.00	.97	0.00	0.00	2.91	
	0.00	.09	0.00	0.05	0.00	0.00	.14	
SE	0	2	1	1	0	0	4	2.57
	0.00	2.91	.97	0.00	0.00	0.00	3.88	
	0.00	.14	0.05	0.00	0.00	0.00	.17	
SSE	0	1	4	3	0	0	8	4.54
	0.00	.97	3.88	2.91	0.00	0.00	7.77	
	0.00	0.05	.19	.14	0.00	0.00	.38	
S	0	1	14	19	1	1	36	5.36
	0.00	.97	13.59	18.45	.97	.97	35.02	
	0.00	0.05	.66	.94	0.05	0.05	1.74	
SSW	0	2	4	8	2	0	16	5.91
	0.00	1.94	4.85	8.74	2.91	0.00	18.45	
	0.00	.09	.23	.42	.14	0.00	.89	
SW	0	0	2	2	0	0	4	4.45
	0.00	0.00	1.94	1.94	0.00	0.00	3.88	
	0.00	0.00	.09	.09	0.00	0.00	.19	
WSW	0	0	0	2	0	0	2	5.70
	0.00	0.00	0.00	1.94	0.00	0.00	1.94	
	0.00	0.00	0.00	.09	0.00	0.00	.09	
W	0	2	1	1	0	0	4	2.62
	0.00	1.94	0.97	0.97	0.00	0.00	3.88	
	0.00	.09	0.05	0.05	0.00	0.00	.19	
WNW	0	0	1	0	0	0	1	4.20
	0.00	0.00	.97	0.00	0.00	0.00	.97	
	0.00	0.00	0.05	0.00	0.00	0.00	0.05	
NW	0	0	1	0	0	0	1	2.00
	0.00	0.00	.97	0.00	0.00	0.00	.97	
	0.00	0.00	0.05	0.00	0.00	0.00	0.05	
NNW	0	0	1	1	0	0	2	4.10
	0.00	0.00	.97	.97	0.00	0.00	1.94	
	0.00	0.00	0.05	0.05	0.00	0.00	.09	
N	0	0	2	2	0	0	4	4.38
	0.00	.97	1.94	1.94	0.00	0.00	4.85	
	0.00	0.05	.09	.09	0.00	0.00	.23	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	1	20	37	40	4	1	103	4.71
	.97	19.42	35.92	38.83	3.88	.97	100.00	
	0.05	.94	1.74	1.88	.19	0.05	4.83	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0.00 0.00 0.00	1 1.02 .05	5 5.10 .23	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 6.12 .28	3.80
NE	0 0.00 0.00	0 0.00 0.00	1 1.02 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.02 .05	4.80
ENE	0 0.00 0.00	2 2.04 .09	2 2.04 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 4.08 .19	3.53
E	1 1.02 .05	0 0.00 0.00	1 1.02 .05	1 1.02 .05	0 0.00 0.00	0 0.00 0.00	3 3.06 .14	3.63
ESE	0 0.00 0.00	0 0.00 0.00	2 2.04 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.04 .09	4.20
SE	0 0.00 0.00	3 3.06 .14	0 0.00 0.00	0 0.00 0.00	1 1.02 .05	0 0.00 0.00	4 4.08 .19	3.77
SSE	0 0.00 0.00	4 4.08 .19	3 3.06 .14	1 1.02 .05	0 0.00 0.00	0 0.00 0.00	8 8.16 .38	3.24
S	0 0.00 0.00	5 5.10 .23	9 9.18 .42	12 12.24 .56	1 1.02 .05	0 0.00 0.00	27 27.55 1.27	4.61
SSW	0 0.00 0.00	3 3.06 .14	5 5.10 .23	11 11.22 .52	0 0.00 0.00	0 0.00 0.00	19 19.39 .89	5.08
SW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.06 .14	0 0.00 0.00	0 0.00 0.00	3 3.06 .14	6.03
WSW	0 0.00 0.00	0 0.00 0.00	1 1.02 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.02 .05	4.90
W	0 0.00 0.00	2 2.04 .09	1 1.02 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.06 .14	2.80
WNW	0 0.00 0.00	3 3.06 .14	0 0.00 0.00	1 1.02 .05	0 0.00 0.00	0 0.00 0.00	4 4.08 .19	3.02
NW	0 0.00 0.00	0 0.00 0.00	2 2.04 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.04 .09	4.15
NNW	1 1.02 .05	4 4.08 .19	1 1.02 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 6.12 .28	2.07
N	0 0.00 0.00	0 0.00 0.00	4 4.08 .19	1 1.02 .05	0 0.00 0.00	0 0.00 0.00	5 5.10 .23	4.66
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	2 2.04 .09	27 27.55 1.27	37 37.76 1.74	30 30.61 1.41	2 2.04 .09	0 0.00 0.00	98 100.00 4.60	4.19

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .21 .05	11 2.27 .52	7 1.45 .33	2 .41 .09	0 0.00 0.00	0 0.00 0.00	21 4.34 .99	3.30
NE	1 .21 .05	9 1.86 .43	14 2.89 .66	2 .41 .09	1 .21 .05	0 0.00 0.00	27 5.58 1.27	3.64
ENE	0 0.00 0.00	12 2.48 .56	20 4.13 .94	5 1.03 .23	0 0.00 0.00	0 0.00 0.00	37 7.64 1.74	3.65
E	2 .41 .09	17 3.51 .80	12 2.48 .56	4 .83 .19	1 .21 .05	0 0.00 0.00	36 7.44 1.69	3.36
ESE	0 0.00 0.00	18 3.72 .84	11 2.27 .52	4 .83 .19	1 .21 .05	0 0.00 0.00	34 7.03 1.60	3.42
SE	0 0.00 0.00	13 2.69 .61	11 2.27 .52	4 .83 .19	1 .21 .05	0 0.00 0.00	29 5.99 1.36	3.80
SSE	1 .21 .05	8 1.65 .38	16 3.31 .75	3 .62 .14	0 0.00 0.00	0 0.00 0.00	28 5.79 1.31	3.49
S	0 0.00 0.00	17 3.51 .80	40 8.26 1.88	36 7.44 1.69	3 .62 .14	0 0.00 0.00	96 19.83 4.51	5.21
SSW	0 0.00 0.00	7 1.45 .33	24 4.96 1.13	26 5.37 1.22	3 .62 .14	0 0.00 0.00	60 12.40 2.82	4.99
SW	0 0.00 0.00	5 1.03 .23	6 1.24 .28	3 .62 .14	0 0.00 0.00	0 0.00 0.00	14 2.89 .66	4.10
WSW	1 .21 .05	4 .83 .19	4 .83 .19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9 1.86 .42	2.86
W	0 0.00 0.00	8 1.65 .38	4 .83 .19	3 .62 .14	0 0.00 0.00	0 0.00 0.00	15 3.10 .70	4.15
WNW	0 0.00 0.00	7 1.45 .33	7 1.45 .33	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	14 2.89 .66	4.86
NW	2 .41 .09	6 1.24 .28	7 1.45 .33	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	17 3.51 .80	4.06
NNW	1 .21 .05	3 .62 .14	6 1.24 .28	2 .41 .09	0 0.00 0.00	0 0.00 0.00	12 2.48 .56	2.82
N	1 .21 .05	4 .83 .19	3 .62 .14	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 1.65 .38	3.85
CALM	0 0.00 0.00	2 .41 .09	2 .41 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 .83 .19	CALM
TOTAL	9 1.86 .42	122 25.21 5.73	210 43.39 9.85	114 23.55 5.35	27 5.58 1.27	2 .41 .09	484 100.00 22.71	4.26

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL JULY COMBINED

STABILITY CLASS PASQUILL E
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES(METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .21	10 2.09	5 1.04	2 .42	0 0.00	0 0.00	18 3.76	3.08
NE	5 1.05	7 1.47	4 .84	0 0.00	0 0.00	0 0.00	16 3.34	2.42
ENE	1 .21	8 1.67	10 2.09	1 .21	0 0.00	0 0.00	20 4.18	3.20
E	5 1.05	18 3.76	17 3.55	4 .84	0 0.00	0 0.00	44 9.19	3.04
ESE	4 .84	14 2.92	8 1.67	2 .42	0 0.00	0 0.00	28 5.85	2.86
SE	4 .84	19 3.97	14 2.92	2 .42	0 0.00	0 0.00	39 8.14	2.82
SSE	0 0.00	8 1.67	6 1.25	2 .42	0 0.00	0 0.00	16 3.34	3.03
S	0 0.00	8 1.67	12 2.51	5 1.04	0 0.00	0 0.00	25 5.22	3.20
SSW	4 .84	7 1.46	12 2.51	5 1.04	0 0.00	0 0.00	28 5.85	3.95
SW	0 0.00	1 .21	2 .42	1 .21	0 0.00	0 0.00	4 .84	3.68
WSW	1 .21	2 .42	3 .63	1 .21	0 0.00	0 0.00	7 1.46	3.64
W	0 0.00	1 .21	1 .21	0 0.00	0 0.00	0 0.00	2 .42	3.52
WNW	0 0.00	0 0.00	1 .21	0 0.00	0 0.00	0 0.00	1 .21	3.34
NW	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	4.90
NNW	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3.34
N	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2.82
CALM	0 0.00						0 0.00	CALM
TOTAL	26 5.43	105 21.92	96 20.04	26 5.43	0 0.00	0 0.00	253 52.82	3.30

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL JULY COMBINED

STABILITY CLASS PASQUILL F
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES(METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .21	11 2.30	3 .63	0 0.00	0 0.00	0 0.00	15 3.13	2.49
NE	2 .42	5 1.05	1 .21	0 0.00	0 0.00	0 0.00	8 1.67	2.24
ENE	0 0.00	2 .42	0 0.00	0 0.00	0 0.00	0 0.00	2 .42	2.70
E	3 .63	4 .84	2 .42	0 0.00	0 0.00	0 0.00	9 1.88	2.84
ESE	2 .42	2 .42	4 .84	0 0.00	0 0.00	0 0.00	8 1.67	2.82
SE	1 .21	8 1.67	1 .21	0 0.00	0 0.00	0 0.00	10 2.09	2.32
SSE	2 .42	15 3.13	4 .84	0 0.00	0 0.00	0 0.00	21 4.38	2.62
S	3 .63	7 1.46	7 1.46	0 0.00	0 0.00	0 0.00	17 3.55	3.03
SSW	2 .42	2 .42	2 .42	1 .21	0 0.00	0 0.00	7 1.46	3.05
SW	0 0.00	1 .21	2 .42	0 0.00	0 0.00	0 0.00	3 .63	2.96
WSW	2 .42	5 1.05	1 .21	0 0.00	0 0.00	0 0.00	8 1.67	2.73
W	0 0.00	1 .21	1 .21	0 0.00	0 0.00	0 0.00	2 .42	3.14
WNW	0 0.00	0 0.00	1 .21	0 0.00	0 0.00	0 0.00	1 .21	3.20
NW	0 0.00	2 .42	1 .21	0 0.00	0 0.00	0 0.00	3 .63	2.33
NNW	0 0.00	1 .21	0 0.00	0 0.00	0 0.00	0 0.00	1 .21	1.81
N	3 .63	1 .21	1 .21	0 0.00	0 0.00	0 0.00	5 1.05	2.81
CALM	0 0.00						0 0.00	CALM
TOTAL	21 4.43	67 14.14	30 6.33	1 .21	0 0.00	0 0.00	119 25.11	2.72

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81. 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	21 10.40 .99	3 1.49 .11	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	24 11.88 1.13	2.67
NE	0 0.00 0.00	9 4.46 .42	2 .99 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 5.45 .52	2.71
ENE	1 .50 .05	4 1.98 .19	12 5.94 .56	2 .50 .09	0 0.00 0.00	0 0.00 0.00	19 9.41 .89	3.42
E	1 .50 .05	9 4.46 .42	7 3.47 .33	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	18 8.91 .84	2.65
ESE	0 0.00 0.00	9 4.46 .42	3 1.49 .14	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	12 5.94 .56	2.32
SE	2 .99 .09	13 6.44 .61	5 2.48 .23	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	20 9.90 .94	2.30
SSE	1 .50 .05	11 5.47 .51	2 .99 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	38 18.81 1.78	2.61
S	3 1.49 .14	15 7.43 .70	12 5.94 .56	1 .50 .05	0 0.00 0.00	0 0.00 0.00	31 15.35 1.45	2.72
SSW	1 .50 .05	2 .99 .09	1 .50 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 1.98 .19	2.47
SW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
WSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
W	1 .50 .05	3 1.49 .14	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 1.98 .19	1.70
WNW	1 .50 .05	3 1.49 .14	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 1.98 .19	2.13
NW	1 .50 .05	1 .50 .05	1 .50 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 1.49 .14	2.47
NNW	0 0.00 0.00	4 1.98 .19	0 0.00 0.00	1 .50 .05	0 0.00 0.00	0 0.00 0.00	5 2.48 .23	2.96
N	0 0.00 0.00	6 2.97 .28	2 .99 .09	1 .50 .05	0 0.00 0.00	0 0.00 0.00	9 4.46 .42	3.07
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	12 5.94 .56	128 63.37 6.01	58 28.71 2.72	4 1.98 .19	0 0.00 0.00	0 0.00 0.00	202 100.00 9.48	2.67

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81. 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3 .14	57 2.67	31 1.45	12 .56	1 .05	0 0.00	104 4.88	3.32
NE	3 .14	37 1.74	32 1.50	8 .38	1 .05	0 0.00	81 3.80	3.41
ENE	5 .23	49 2.30	64 3.00	16 .75	1 .05	0 0.00	135 6.34	3.53
E	7 .33	59 2.77	59 2.77	16 .75	3 .14	1 .09	146 6.85	3.58
ESE	11 .52	63 2.96	60 2.82	11 .52	1 .05	0 0.00	146 6.85	3.14
SE	10 .47	78 3.66	40 1.88	9 .42	4 .19	0 0.00	141 6.62	3.00
SSE	3 .14	145 6.80	99 4.65	10 .47	1 .05	0 0.00	258 12.11	3.04
S	8 .38	104 4.88	197 9.24	140 6.57	34 1.60	6 .28	489 22.95	4.57
SSW	3 .14	40 1.88	83 3.89	119 5.58	9 .42	22 1.03	276 12.95	5.40
SW	0 0.00	17 .80	25 1.17	26 1.22	1 .05	0 0.00	69 3.24	4.29
WSW	2 .09	9 .42	15 .70	7 .33	0 0.00	0 0.00	33 1.55	3.66
W	1 .05	21 .99	18 .84	14 .66	0 0.00	0 0.00	54 2.53	3.[illegible]
WNW	1 .05	10 .47	17 .80	11 .52	0 0.00	0 0.00	39 1.83	4.05
NW	6 .28	10 .47	20 .94	7 .33	0 0.00	0 0.00	43 2.02	3.45
NNW	5 .23	18 .84	7 .33	5 .23	0 0.00	0 0.00	35 1.64	2.71
N	6 .28	22 1.03	39 1.83	15 .70	0 0.00	0 0.00	82 3.85	3.67
CALM	0 0.00						0 0.00	CALM
TOTAL	74 3.47	739 34.68	806 37.82	426 19.99	56 2.63	30 1.41	2131 100.00	3.91

NUMBER OF VALID OBSERVATIONS 2131 95.47 PCT
NUMBER OF INVALID OBSERVATIONS 101 4.52 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13:51:50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	1	2	6	0	0	10	5.12
	.35	.35	.70	2.10	0.00	0.00	3.50	
	.05	.05	.09	.28	0.00	0.00	.47	
NE	0	0	2	2	0	0	4	5.00
	0.00	0.00	.70	.70	0.00	0.00	1.40	
	0.00	0.00	.09	.09	0.00	0.00	.19	
ENE	0	0	1	0	0	0	1	3.90
	0.00	0.00	.35	0.00	0.00	0.00	.35	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
E	1	0	2	0	1	0	3	4.63
	.35	0.00	.70	0.00	.35	0.00	1.05	
	.09	0.00	.09	0.00	.05	0.00	.14	
ESE	0	0	3	0	0	0	3	3.78
	0.00	0.00	1.05	0.00	0.00	0.00	1.05	
	0.00	0.00	.14	0.00	0.00	0.00	.14	
SE	0	0	1	4	0	0	5	4.43
	0.00	0.00	.35	1.40	0.00	0.00	1.75	
	0.00	0.00	.05	.19	0.00	0.00	.23	
SSE	1	4	5	2	0	0	12	4.33
	.35	1.40	1.75	.70	0.00	0.00	4.20	
	.05	.19	.23	.09	0.00	0.00	.56	
S	1	6	8	3	0	0	18	6.03
	.35	2.10	2.80	1.05	0.00	0.00	6.30	
	.05	.28	.37	.14	0.00	0.00	.84	
SSW	1	2	9	13	7	0	32	5.86
	.35	.70	3.15	4.55	2.45	0.00	11.20	
	.05	.09	.42	.61	.33	0.00	1.51	
SW	0	1	5	2	1	0	9	4.45
	0.00	.35	1.75	.70	.35	0.00	3.15	
	0.00	.05	.23	.09	.05	0.00	.42	
WSW	1	2	1	1	0	0	5	2.90
	.35	.70	.35	.35	0.00	0.00	1.75	
	.05	.09	.05	.05	0.00	0.00	.23	
W	1	0	0	0	0	0	1	4.10
	.35	0.00	0.00	0.00	0.00	0.00	.35	
	.05	0.00	0.00	0.00	0.00	0.00	.05	
WNW	0	0	1	0	0	0	1	3.20
	0.00	0.00	.35	0.00	0.00	0.00	.35	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
NW	1	2	1	3	2	0	9	6.22
	.35	.70	.35	1.05	.70	0.00	3.15	
	.05	.09	.05	.14	.09	0.00	.42	
NNW	0	1	1	4	3	0	9	5.65
	0.00	.35	.35	1.40	1.05	0.00	3.15	
	0.00	.05	.05	.19	.14	0.00	.42	
N	1	1	2	3	1	0	8	3.74
	.35	.35	.70	1.05	.35	0.00	2.80	
	.05	.05	.09	.14	.05	0.00	.37	
CALM	1	4	5	2	0	0	12	CALM
	.35	1.40	1.75	.70	0.00	0.00	4.20	
	.05	.19	.23	.09	0.00	0.00	.56	
	0	0	0	0	0	0	0	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	8	27	73	139	39	0	286	5.46
	2.80	9.44	25.50	48.60	13.64	0.00	100.00	
	.37	1.26	3.40	6.47	1.81	0.00	13.30	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13:51:50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	1	0	0	2	5.10
	0.00	0.00	.76	.76	0.00	0.00	1.52	
	0.00	0.00	.05	.05	0.00	0.00	.09	
NE	0	0	0	1	0	0	1	6.80
	0.00	0.00	0.00	.76	0.00	0.00	.76	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
ENE	1	0	0	0	0	0	1	3.40
	.76	0.00	0.00	0.00	0.00	0.00	.76	
	.05	0.00	0.00	0.00	0.00	0.00	.05	
E	1	0	0	0	0	0	1	3.70
	.76	0.00	0.00	0.00	0.00	0.00	.76	
	.05	0.00	0.00	0.00	0.00	0.00	.05	
ESE	0	0	0	0	0	0	0	3.05
	0.00	2.27	2.27	0.00	0.00	0.00	4.55	
	0.00	.14	.14	0.00	0.00	0.00	.28	
SE	0	2	1	0	0	0	3	4.00
	0.00	1.52	.76	0.00	0.00	0.00	2.27	
	0.00	.09	.05	0.00	0.00	0.00	.14	
SSE	0	1	0	1	0	0	2	4.78
	0.00	.76	0.00	.76	0.00	0.00	1.52	
	0.00	.05	0.00	.05	0.00	0.00	.09	
S	0	1	2	1	0	0	4	5.57
	0.00	.76	1.52	.76	0.00	0.00	3.03	
	0.00	.05	.14	.05	0.00	0.00	.19	
SSW	0	1	5	4	1	0	11	5.97
	0.00	.76	3.79	3.03	.76	0.00	8.33	
	0.00	.05	.23	.19	.05	0.00	.51	
SW	0	0	7	14	3	0	24	5.30
	0.00	0.00	5.30	10.61	2.27	0.00	18.18	
	0.00	0.00	.47	.88	.23	0.00	1.58	
WSW	0	0	3	3	0	0	6	5.30
	0.00	0.00	2.27	2.27	0.00	0.00	4.55	
	0.00	0.00	.14	.14	0.00	0.00	.28	
W	0	1	1	0	0	0	2	3.03
	0.00	.76	.76	0.00	0.00	0.00	1.52	
	0.00	.05	.05	0.00	0.00	0.00	.09	
WNW	1	1	0	0	0	0	2	2.26
	.76	.76	0.00	0.00	0.00	0.00	1.52	
	.05	.05	0.00	0.00	0.00	0.00	.09	
NW	1	3	1	0	0	0	5	2.30
	.76	2.27	.76	0.00	0.00	0.00	3.79	
	.05	.14	.05	0.00	0.00	0.00	.23	
NNW	0	2	1	0	0	0	3	2.27
	0.00	2.27	.76	0.00	0.00	0.00	3.03	
	0.00	.14	.05	0.00	0.00	0.00	.14	
N	0	1	2	1	1	0	5	5.80
	0.00	.76	1.52	.76	1.52	0.00	4.55	
	0.00	.05	.09	.05	.09	0.00	.28	
CALM	0	0	0	1	0	0	1	5.60
	0.00	0.00	0.00	.76	0.00	0.00	.76	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
	0	0	0	0	0	0	0	3.80
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	1	18	45	53	15	0	132	5.11
	.76	13.64	34.09	40.15	11.36	0.00	100.00	
	.05	.84	2.09	2.47	.70	0.00	6.14	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13.51.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	2 1.34 .09	0 0.00 0.00	2 1.34 .09	0 0.00 0.00	0 0.00 0.00	4 2.68 .19	3.87
NE	0 0.00 0.00	1 .67 .05	3 2.01 .14	1 .67 .05	0 0.00 0.00	0 0.00 0.00	5 3.36 .23	4.08
ENE	0 0.00 0.00	0 0.00 0.00	3 2.01 .14	3 2.01 .14	0 0.00 0.00	0 0.00 0.00	6 4.03 .28	4.75
E	1 .67 .05	0 0.00 0.00	0 0.00 0.00	2 1.34 .09	0 0.00 0.00	0 0.00 0.00	3 2.01 .14	4.73
ESE	0 0.00 0.00	0 0.00 0.00	1 .67 .05	1 .67 .05	0 0.00 0.00	0 0.00 0.00	2 1.34 .09	4.60
SE	0 0.00 0.00	2 1.34 .09	1 .67 .05	1 .67 .05	0 0.00 0.00	0 0.00 0.00	4 2.68 .19	3.87
SSE	0 0.00 0.00	4 2.68 .19	6 4.03 .28	1 .67 .05	2 1.34 .09	0 0.00 0.00	13 8.72 .61	4.45
S	0 0.00 0.00	4 2.68 .19	6 4.03 .28	11 7.38 .52	4 2.68 .19	0 0.00 0.00	25 16.78 1.18	5.77
SSW	0 0.00 0.00	1 .67 .05	8 5.37 .38	12 8.05 .56	4 2.68 .19	0 0.00 0.00	25 16.78 1.18	5.16
SW	2 1.34 .09	1 .67 .05	2 1.34 .09	5 3.36 .23	0 0.00 0.00	0 0.00 0.00	10 6.71 .47	3.84
WSW	0 0.00 0.00	1 .67 .05	6 4.03 .28	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	7 4.70 .33	4.62
W	0 0.00 0.00	0 0.00 0.00	3 2.01 .14	1 .67 .05	0 0.00 0.00	0 0.00 0.00	4 2.68 .19	4.90
WNW	1 .67 .05	1 .67 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.34 .09	5.57
NW	0 0.00 0.00	1 .67 .05	0 0.00 0.00	1 .67 .05	0 0.00 0.00	0 0.00 0.00	2 1.34 .09	4.50
NNW	0 0.00 0.00	1 .67 .05	1 .67 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.34 .09	3.57
CALM	0 0.00 0.00	0 0.00 0.00	4 2.68 .19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 2.68 .19	CALM
TOTAL	3 2.01 .14	19 12.75 .88	58 38.93 2.70	54 36.24 2.51	15 10.07 .70	0 0.00 0.00	149 100.00 6.93	5.02

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13.51.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3 .62 .14	16 3.30 .74	14 2.80 .65	12 2.40 .56	3 .60 .14	0 0.00 0.00	48 9.60 2.23	4.20
NE	3 .60 .14	10 2.06 .47	15 3.00 .70	13 2.60 .60	0 0.00 0.00	0 0.00 0.00	37 7.40 1.72	4.07
ENE	0 0.00 0.00	7 1.40 .33	19 3.80 .88	9 1.80 .42	1 .20 .05	0 0.00 0.00	36 7.20 1.67	4.26
E	2 .40 .09	6 1.20 .28	17 3.40 .79	10 2.00 .47	1 .20 .05	0 0.00 0.00	36 7.20 1.67	4.39
ESE	0 0.00 0.00	7 1.40 .33	7 1.40 .33	5 1.00 .23	0 0.00 0.00	0 0.00 0.00	19 3.80 .88	3.76
SE	0 0.00 0.00	13 2.60 .60	10 2.00 .47	4 .80 .19	0 0.00 0.00	0 0.00 0.00	27 5.40 1.25	3.43
SSE	0 0.00 0.00	9 1.80 .42	20 4.00 .93	9 1.80 .42	1 .20 .05	0 0.00 0.00	39 7.80 1.81	4.07
S	1 .20 .05	4 .80 .19	9 1.80 .42	7 1.40 .33	1 .20 .05	0 0.00 0.00	22 4.40 1.02	4.78
SSW	0 0.00 0.00	1 .20 .05	5 1.00 .23	4 .80 .19	1 .20 .05	0 0.00 0.00	11 2.20 .51	4.68
SW	0 0.00 0.00	1 .20 .05	2 .40 .09	4 .80 .19	0 0.00 0.00	0 0.00 0.00	7 1.40 .33	3.87
WSW	2 .40 .09	5 1.00 .23	4 .80 .19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 2.20 .51	3.10
W	1 .20 .05	3 .60 .14	4 .80 .19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 1.60 .37	4.10
WNW	1 .20 .05	1 .20 .05	0 0.00 0.00	2 .40 .09	0 0.00 0.00	0 0.00 0.00	4 .80 .19	2.37
NW	2 .40 .09	4 .80 .19	2 .40 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 1.60 .37	4.25
NNW	1 .20 .05	3 .60 .14	3 .60 .14	5 1.00 .23	0 0.00 0.00	0 0.00 0.00	12 2.40 .56	4.50
N	1 .20 .05	1 .20 .05	3 .60 .14	2 .40 .09	1 .20 .05	0 0.00 0.00	8 1.60 .37	4.18
CALM	2 .40 .09	7 1.40 .33	8 1.60 .37	3 .60 .14	1 .20 .05	1 .20 .05	21 4.20 .98	CALM
TOTAL	18 3.60 .84	118 23.60 5.53	207 41.40 9.63	138 27.60 6.42	17 3.40 .79	1 .20 .05	500 100.00 23.26	4.27

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13 51 50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	9	4	3	0	1	17	3.72
	0.00	1.36	0.68	0.51	0.00	0.17	2.89	
	0.05	0.37	0.19	0.14	0.00	0.05	0.79	
NE	1	10	5	3	0	0	19	2.95
	0.17	1.69	0.85	0.51	0.00	0.00	3.23	
	0.05	0.41	0.24	0.14	0.00	0.00	0.79	
ENE	0	7	8	4	2	0	21	4.04
	0.00	1.19	1.36	0.68	0.34	0.00	3.57	
	0.00	0.29	0.33	0.17	0.09	0.00	0.87	
E	0	6	7	5	1	0	19	3.88
	0.00	1.02	1.19	0.85	0.17	0.00	3.23	
	0.00	0.25	0.29	0.21	0.04	0.00	0.79	
ESE	2	10	10	3	0	0	25	3.35
	0.34	1.70	1.70	0.51	0.00	0.00	4.25	
	0.09	0.41	0.42	0.14	0.00	0.00	1.04	
SE	1	8	10	3	0	0	22	2.87
	0.17	1.36	1.70	0.51	0.00	0.00	3.74	
	0.04	0.33	0.42	0.14	0.00	0.00	0.92	
SSE	0	5	11	3	0	0	19	3.78
	0.00	0.85	1.87	0.51	0.00	0.00	3.23	
	0.00	0.21	0.46	0.14	0.00	0.00	0.79	
S	0	3	8	2	0	0	13	4.23
	0.00	0.51	1.36	0.34	0.00	0.00	2.21	
	0.00	0.12	0.33	0.09	0.00	0.00	0.54	
SSW	2	8	11	9	3	0	33	3.94
	0.34	1.36	1.87	1.53	0.51	0.00	5.61	
	0.09	0.33	0.46	0.38	0.12	0.00	1.37	
SW	1	4	6	3	0	0	14	3.03
	0.17	0.68	1.02	0.51	0.00	0.00	2.38	
	0.04	0.17	0.25	0.12	0.00	0.00	0.58	
WSW	1	2	1	2	0	0	6	4.34
	0.17	0.34	0.17	0.34	0.00	0.00	1.02	
	0.04	0.08	0.04	0.09	0.00	0.00	0.25	
W	1	3	3	1	0	0	8	2.90
	0.17	0.51	0.51	0.17	0.00	0.00	1.36	
	0.04	0.12	0.12	0.04	0.00	0.00	0.33	
WNW	1	2	0	1	0	0	4	3.46
	0.17	0.34	0.00	0.17	0.00	0.00	0.68	
	0.04	0.08	0.00	0.04	0.00	0.00	0.17	
NW	0	1	2	2	0	0	5	3.63
	0.00	0.17	0.34	0.34	0.00	0.00	0.85	
	0.00	0.04	0.08	0.08	0.00	0.00	0.21	
NNW	1	4	3	3	0	0	11	4.31
	0.17	0.68	0.51	0.51	0.00	0.00	1.87	
	0.04	0.17	0.12	0.12	0.00	0.00	0.46	
N	0	2	3	1	1	0	7	3.41
	0.00	0.34	0.51	0.17	0.17	0.00	1.19	
	0.00	0.08	0.12	0.04	0.04	0.00	0.29	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	12	77	80	37	7	1	214	3.85
	2.04	13.10	13.61	6.29	1.19	0.17	36.39	
	0.49	3.14	3.27	1.51	0.29	0.04	8.74	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13 51 50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	1	0	0	0	2	2.68
	0.00	0.86	0.57	0.00	0.00	0.00	1.43	
	0.00	0.28	0.14	0.00	0.00	0.00	0.42	
NE	0	0	0	0	0	0	0	1.97
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ENE	1	1	2	0	0	0	4	2.63
	0.14	0.86	0.57	0.00	0.00	0.00	1.57	
	0.04	0.04	0.08	0.00	0.00	0.00	0.17	
E	0	2	3	0	0	0	5	3.29
	0.00	1.72	0.86	0.00	0.00	0.00	2.58	
	0.00	0.08	0.12	0.00	0.00	0.00	0.21	
ESE	2	2	1	0	0	0	5	2.78
	0.29	1.72	0.29	0.00	0.00	0.00	2.30	
	0.09	0.08	0.04	0.00	0.00	0.00	0.21	
SE	2	2	1	1	0	0	6	2.67
	0.29	1.72	0.29	0.14	0.00	0.00	2.44	
	0.09	0.08	0.04	0.04	0.00	0.00	0.25	
SSE	2	11	3	1	0	0	17	2.82
	0.29	1.87	1.26	0.14	0.00	0.00	3.57	
	0.09	0.46	0.12	0.04	0.00	0.00	0.71	
S	4	17	5	2	0	0	28	3.27
	0.57	2.40	0.71	0.29	0.00	0.00	3.96	
	0.17	0.71	0.21	0.08	0.00	0.00	1.17	
SSW	8	11	8	2	0	0	29	2.67
	1.26	1.55	1.13	0.29	0.00	0.00	4.24	
	0.33	0.46	0.33	0.08	0.00	0.00	1.21	
SW	4	2	1	0	0	0	7	1.40
	0.57	0.29	0.14	0.00	0.00	0.00	1.00	
	0.17	0.12	0.04	0.00	0.00	0.00	0.29	
WSW	2	1	0	0	0	0	3	2.50
	0.29	0.14	0.00	0.00	0.00	0.00	0.43	
	0.08	0.04	0.00	0.00	0.00	0.00	0.13	
W	2	1	0	1	0	0	4	1.92
	0.29	0.14	0.00	0.14	0.00	0.00	0.57	
	0.08	0.04	0.00	0.04	0.00	0.00	0.17	
WNW	1	2	0	0	0	0	3	2.90
	0.14	0.29	0.00	0.00	0.00	0.00	0.43	
	0.04	0.08	0.00	0.00	0.00	0.00	0.13	
NW	2	2	1	0	0	0	5	3.22
	0.29	0.29	0.14	0.00	0.00	0.00	0.71	
	0.08	0.08	0.04	0.00	0.00	0.00	0.21	
NNW	2	2	1	0	0	0	5	3.57
	0.29	0.29	0.14	0.00	0.00	0.00	0.71	
	0.08	0.08	0.04	0.00	0.00	0.00	0.21	
N	0	1	1	0	0	0	2	3.12
	0.00	0.14	0.14	0.00	0.00	0.00	0.29	
	0.00	0.04	0.04	0.00	0.00	0.00	0.08	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	34	57	26	6	0	0	123	2.88
	4.84	8.12	3.70	0.85	0.00	0.00	17.52	
	1.41	2.36	1.08	0.25	0.00	0.00	5.10	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13.51.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 2.27 .19	9 5.11 .42	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	13 7.39 .60	1.81
NE	2 1.14 .09	4 2.27 .19	2 1.14 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 4.55 .37	2.39
ENE	0 0.00 0.00	1 .57 .05	1 .57 .05	2 1.14 .09	0 0.00 0.00	0 0.00 0.00	4 2.27 .19	4.57
E	2 1.14 .09	6 3.41 .28	4 2.27 .19	1 .57 .05	0 0.00 0.00	0 0.00 0.00	18 10.23 .84	2.79
ESE	1 .57 .05	5 2.84 .23	5 2.84 .23	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 6.25 .56	2.93
SE	2 1.14 .09	10 5.68 .47	1 .57 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	13 7.39 .60	2.35
SSE	2 1.14 .09	21 11.93 .98	1 .57 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	24 13.64 1.12	2.34
S	0 0.00 0.00	8 4.55 .37	2 1.14 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	10 5.68 .47	2.58
SSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
SW	1 .57 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .57 .05	1.10
WSW	0 0.00 0.00	1 .57 .05	1 .57 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.14 .09	2.75
W	3 1.70 .14	0 0.00 0.00	1 .57 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 2.27 .19	1.72
WNW	3 1.70 .14	5 2.84 .23	3 1.70 .14	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 6.25 .51	2.23
NW	5 2.84 .23	4 2.27 .19	2 1.14 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 6.25 .51	1.71
NNW	3 1.70 .14	3 1.70 .14	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 3.41 .28	1.78
N	5 2.84 .23	5 2.84 .23	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	10 5.68 .47	1.80
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	33 18.75 1.53	117 66.48 5.44	23 13.07 1.07	3 1.70 .14	0 0.00 0.00	0 0.00 0.00	176 100.00 8.19	2.36

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13.51.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	9 .42	42 1.95	26 1.21	24 1.12	3 .14	1 .05	105 4.88	3.76
NE	9 .42	33 1.53	28 1.30	20 .93	0 0.00	0 0.00	90 4.19	3.45
ENE	2 .09	25 1.16	36 1.67	18 .84	3 .14	0 0.00	84 3.91	4.00
E	8 .37	35 1.63	35 1.63	21 .98	2 .09	0 0.00	101 4.70	3.81
ESE	5 .23	36 1.67	34 1.58	12 .56	0 0.00	0 0.00	87 4.05	3.35
SE	5 .23	93 4.33	33 1.53	13 .60	0 0.00	0 0.00	144 6.70	3.02
SSE	5 .23	139 6.47	105 4.88	32 1.49	5 .23	0 0.00	286 13.30	3.45
S	6 .28	120 5.58	237 11.02	177 8.23	46 2.14	0 0.00	586 27.26	4.64
SSW	4 .19	34 1.58	98 4.56	128 5.95	20 .93	0 0.00	284 13.21	5.07
SW	7 .33	14 .65	23 1.07	18 .84	0 0.00	0 0.00	62 2.88	4.06
WSW	4 .19	14 .65	14 .65	3 .14	2 .09	0 0.00	37 1.72	3.37
W	7 .33	10 .47	8 .37	4 .19	0 0.00	0 0.00	29 1.35	2.94
WNW	7 .33	23 1.07	12 .56	0 0.00	1 .05	0 0.00	43 2.00	2.64
NW	9 .42	19 .84	15 .70	21 .98	10 .47	0 0.00	73 3.40	4.39
NNW	4 .19	14 .65	13 .60	20 .93	1 .05	0 0.00	52 2.42	4.27
N	8 .37	34 1.58	32 1.49	10 .47	2 .09	1 .05	87 4.05	3.46
CALM	0 0.00						0 0.00	CALM
TOTAL	99 4.60	684 31.81	749 34.84	521 24.23	95 4.42	2 .09	2130 100.00	4.06

NUMBER OF VALID OBSERVATIONS: 2150 — 96.33 PCT
NUMBER OF INVALID OBSERVATIONS: 82 — 3.67 PCT
TOTAL NUMBER OF OBSERVATIONS: 2232 — 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL SEPTEMBER COMBINED

STABILITY CLASS PASQUILL A
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13 55 54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	5	11	12	3	0	32	5.10
	.35	1.75	3.83	4.53	1.05	0.00	11.15	
	.05	.09	.52	.61	.14	0.00	1.41	
NE	0	3	4	3	0	0	10	4.11
	0.00	1.05	1.39	1.05	0.00	0.00	3.48	
	0.00	.14	.19	.14	0.00	0.00	.47	
ENE	0	0	1	3	0	0	4	5.22
	0.00	0.00	.35	1.05	0.00	0.00	1.39	
	0.00	0.00	.05	.14	0.00	0.00	.19	
E	0	1	1	0	0	0	2	3.65
	0.00	.35	.35	0.00	0.00	0.00	.70	
	0.00	.05	.05	0.00	0.00	0.00	.09	
ESE	0	2	3	0	0	0	6	3.06
	0.00	1.74	1.05	0.00	0.00	0.00	2.79	
	0.00	.24	.14	0.00	0.00	0.00	.38	
SE	4	10	12	5	0	0	31	3.30
	1.39	3.48	4.18	1.74	0.00	0.00	10.80	
	.19	.47	.56	.24	0.00	0.00	1.46	
SSE	0	2	3	4	0	0	9	4.48
	0.00	1.05	4.88	3.14	0.00	0.00	9.06	
	0.00	.14	.66	.42	0.00	0.00	1.22	
S	1	2	12	2	0	0	17	4.79
	.35	1.74	4.18	5.42	2.09	0.00	13.42	
	.05	.09	.56	.80	.28	0.00	2.05	
SSW	2	8	11	10	5	0	36	4.54
	.70	2.79	3.83	3.48	1.74	0.00	12.54	
	.09	.38	.52	.47	.24	0.00	1.69	
SW	0	2	3	1	0	0	11	3.05
	0.00	2.44	1.05	.35	0.00	0.00	3.83	
	0.00	.33	.14	.05	0.00	0.00	.52	
WSW	2	2	0	0	0	0	5	1.96
	.70	.70	.35	0.00	0.00	0.00	1.74	
	.09	.09	.05	0.00	0.00	0.00	.24	
W	0	8	4	0	0	0	12	2.91
	0.00	2.79	1.39	0.00	0.00	0.00	4.18	
	0.00	.38	.19	0.00	0.00	0.00	.56	
WNW	1	1	0	0	0	0	2	2.46
	.35	1.05	.35	0.00	0.00	0.00	1.74	
	.05	.14	.05	0.00	0.00	0.00	.24	
NW	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NNW	0	3	1	0	1	0	5	5.49
	0.00	1.05	4.18	1.74	1.39	.35	8.71	
	0.00	.14	.56	.24	.19	.05	1.18	
N	0	0	7	13	8	1	29	6.59
	0.00	0.00	2.44	4.53	2.79	.35	10.10	
	0.00	0.00	.33	.61	.38	.05	1.36	
CALM	3						3	CALM
	1.05						1.05	
	.14						.14	
TOTAL	14	69	97	79	26	2	287	4.49
	4.88	24.04	33.80	27.53	9.06	.70	100.00	
	.66	3.25	4.56	3.72	1.22	.09	13.50	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL SEPTEMBER COMBINED

STABILITY CLASS PASQUILL B
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13 55 54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	3	1	1	0	5	5.14
	0.00	0.00	2.38	.79	.79	0.00	3.97	
	0.00	0.00	.14	.05	.05	0.00	.24	
NE	0	1	6	1	0	0	8	3.82
	0.00	.79	4.76	.79	0.00	0.00	6.35	
	0.00	.05	.28	.05	0.00	0.00	.38	
ENE	0	4	3	1	0	0	8	3.36
	0.00	3.17	2.38	.79	0.00	0.00	6.35	
	0.00	.19	.14	.05	0.00	0.00	.38	
E	0	0	2	0	0	0	2	4.55
	0.00	0.00	1.59	0.00	0.00	0.00	1.59	
	0.00	0.00	.09	0.00	0.00	0.00	.09	
ESE	0	1	3	0	0	0	4	3.52
	0.00	.79	2.38	0.00	0.00	0.00	3.17	
	0.00	.05	.14	0.00	0.00	0.00	.19	
SE	0	2	4	1	0	0	7	3.70
	0.00	1.59	3.17	.79	0.00	0.00	5.56	
	0.00	.09	.19	.05	0.00	0.00	.33	
SSE	0	2	8	6	0	0	16	4.71
	0.00	1.59	6.35	4.76	0.00	0.00	12.70	
	0.00	.09	.38	.28	0.00	0.00	.75	
S	3	6	14	3	0	0	26	4.07
	.79	4.76	11.11	2.38	1.59	0.00	20.63	
	.05	.28	.66	.14	.09	0.00	1.22	
SSW	0	4	6	4	3	2	19	5.69
	0.00	3.17	4.76	3.17	2.38	1.59	15.08	
	0.00	.19	.28	.19	.14	.09	.89	
SW	0	1	1	7	1	0	10	3.27
	0.00	.79	.79	5.56	.79	0.00	7.94	
	0.00	.05	.05	.33	.05	0.00	.47	
WSW	0	1	0	2	0	0	3	4.45
	0.00	.79	0.00	.79	0.00	0.00	1.59	
	0.00	.05	0.00	.05	0.00	0.00	.09	
W	1	1	1	0	0	0	3	2.23
	.79	.79	.79	0.00	0.00	0.00	2.38	
	.05	.05	.05	0.00	0.00	0.00	.14	
WNW	0	2	1	0	0	0	3	3.10
	0.00	1.59	.79	0.00	0.00	0.00	2.38	
	0.00	.09	.05	0.00	0.00	0.00	.14	
NW	0	1	1	1	0	0	3	2.87
	0.00	1.59	.79	.79	0.00	0.00	2.38	
	0.00	.09	.05	.05	0.00	0.00	.14	
NNW	0	0	1	4	0	0	5	5.90
	0.00	0.00	.79	3.17	0.00	0.00	3.97	
	0.00	0.00	.05	.19	0.00	0.00	.24	
N	0	0	2	5	0	0	7	5.37
	0.00	0.00	1.59	3.97	0.00	0.00	5.56	
	0.00	0.00	.09	.24	0.00	0.00	.33	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	5	31	56	29	6	2	126	4.35
	1.59	24.60	44.44	23.02	4.76	1.59	100.00	
	.09	1.46	2.63	1.36	.28	.09	5.93	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL SEPTEMBER COMBINED

STABILITY CLASS PASQUILL C
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13.56.54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES(METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	1 .89	1 .89	5 4.46	0 0.00	0 0.00	8 7.14	4.91
NE	0 0.00	4 .09	6 .05	3 2.68	0 0.00	0 0.00	13 .38	4.08
ENE	0 0.00	4 3.57 .19	3 2.68 .14	3 2.68 .14	0 0.00	0 0.00	10 8.93 .47	3.22
E	0 0.00	2 1.79 .09	3 2.68 .14	0 0.00	0 0.00	0 0.00	5 4.46 .24	3.93
ESE	0 0.00	1 .89	2 1.79 .09	0 0.00	0 0.00	0 0.00	3 2.68 .14	4.10
SE	0 0.00	0 0.00	2 1.79 .09	1 .89 .05	0 0.00	0 0.00	3 2.68 .14	3.80
SSE	0 0.00	1 .89 .05	3 2.68 .14	1 .89 .05	0 0.00	0 0.00	5 4.46 .24	3.84
S	1 .89 .05	4 3.57 .19	4 3.57 .19	3 2.68 .14	1 .89 .05	0 0.00 0.00	13 11.61 .61	4.25
SSW	0 0.00	5 4.46 .24	12 10.71 .56	7 6.25 .33	1 .89 .05	0 0.00 0.00	25 22.32 1.18	5.47
SW	0 0.00	3 2.68 .14	3 2.68 .14	7 6.25 .33	0 0.00	2 1.79 .09	15 13.39 .71	4.60
WSW	0 0.00	2 1.79 .09	0 0.00 0.00	4 3.57 .19	0 0.00	0 0.00 0.00	6 5.36 .28	2.35
W	0 0.00	2 1.79 .09	0 0.00 0.00	0 0.00 0.00	0 0.00	0 0.00 0.00	2 1.79 .09	3.00
WNW	0 0.00	1 .89 .05	0 0.00 0.00	0 0.00 0.00	0 0.00	0 0.00 0.00	1 .89 .05	3.60
NW	0 0.00	0 0.00	1 .89 .05	0 0.00 0.00	0 0.00	0 0.00 0.00	1 .89 .05	3.57
NNW	1 .89 .05	1 .89 .05	1 .89 .05	0 0.00 0.00	1 .89 .05	0 0.00 0.00	4 3.57 .19	4.99
N	0 0.00	1 .89 .05	2 1.79 .09	4 3.57 .19	0 0.00	0 0.00 0.00	7 6.25 .33	6.10
CALM	0 0.00	0 0.00	1 .89 .05	2 1.79 .09	1 .89 .05	0 0.00 0.00	4 3.57 .19	CALM
TOTAL	2 .09	29 25.89 1.36	38 33.93 1.79	37 33.04 1.74	4 3.57 .19	2 1.79 .09	112 100.00 5.27	4.38

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL SEPTEMBER COMBINED

STABILITY CLASS PASQUILL D
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 10.00 METERS
TABLE GENERATED 11/11/81 13.56.54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES(METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .06	6 1.06 .28	14 2.46 .66	8 1.41 .38	10 1.76 .47	0 0.00 0.00	40 7.04 1.88	5.14
NE	3 .09	10 1.76 .47	9 1.58 .42	9 1.58 .42	0 0.00	0 0.00 0.00	31 5.44 1.46	3.68
ENE	5 .14	11 1.94 .52	8 1.41 .38	9 1.58 .42	0 0.00	0 0.00 0.00	33 5.81 1.55	3.78
E	8 .23	10 1.76 .47	7 1.23 .33	5 .88 .24	0 0.00	0 0.00 0.00	30 5.28 1.41	3.38
ESE	7 .20	12 2.11 .56	4 .70 .19	1 .18 .05	0 0.00	0 0.00 0.00	24 4.23 1.13	3.51
SE	7 .20	9 1.58 .42	8 1.41 .38	4 .70 .19	0 0.00	0 0.00 0.00	28 4.93 1.32	2.94
SSE	1 .03	11 1.94 .52	11 1.94 .52	2 .35 .09	0 0.00	0 0.00 0.00	25 4.40 1.18	4.12
S	8 .23	18 3.17 .85	14 2.46 .66	10 1.76 .47	2 .35 .09	0 0.00 0.00	52 9.15 2.45	4.91
SSW	4 .11	11 1.94 .52	10 1.76 .47	8 1.41 .38	2 .35 .09	1 .18 .05	36 6.34 1.70	3.87
SW	3 .09	10 1.76 .47	11 1.94 .52	6 1.06 .28	1 .18 .05	1 .18 .05	33 5.81 1.55	3.29
WSW	5 .14	10 1.76 .47	11 1.94 .52	5 .88 .24	0 0.00	0 0.00 0.00	31 5.46 1.46	4.08
W	6 .17	18 3.17 .85	7 1.23 .33	5 .88 .24	0 0.00	0 0.00 0.00	36 6.34 1.70	2.34
WNW	12 .34	10 1.76 .47	7 1.23 .33	0 0.00	0 0.00	0 0.00 0.00	29 5.11 1.36	2.84
NW	6 .18	3 .53 .14	5 .88 .24	0 0.00	0 0.00	0 0.00 0.00	14 2.46 .66	4.57
NNW	0 0.00	4 .70 .19	11 1.94 .52	5 .88 .24	1 .18 .05	0 0.00 0.00	21 3.70 .99	4.47
N	6 .18	9 1.58 .42	4 .70 .19	5 .88 .24	2 .35 .09	0 0.00 0.00	26 4.58 1.22	4.27
CALM	3 .09	8 1.41 .38	5 .88 .24	3 .53 .14	0 0.00	0 0.00 0.00	19 3.35 .89	CALM
TOTAL	99 6.87 1.83	153 26.94 7.20	203 41.02 10.96	115 20.25 5.41	23 4.05 1.08	5 .88 .24	568 100.00 26.72	4.06

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13:55:54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	3	7	3	4	0	0	17	3.34
	70	1.63	70	93	0.00	0.00	3.95	
	14	33	14	19	0.00	0.00	80	
NE	3	10	2	3	0	0	18	2.47
	70	3.02	0.00	47	0.00	0.00	4.19	
	14	01	0.00	09	0.00	0.00	85	
ENE	5	10	3	2	0	0	20	3.06
	1.16	2.33	3.02	47	0.00	0.00	6.98	
	24	47	61	09	0.00	0.00	1.41	
E	2	14	5	3	0	0	24	2.90
	47	3.26	1.40	47	0.00	0.00	5.58	
	09	66	28	09	0.00	0.00	1.13	
ESE	1	7	5	2	0	0	15	2.67
	23	3.49	1.16	23	0.00	0.00	5.12	
	05	71	24	05	0.00	0.00	1.03	
SE	5	10	13	1	0	0	38	2.81
	1.16	4.19	3.02	23	0.00	0.00	8.84	
	24	1.05	2.81	05	0.00	0.00	1.92	
SSE	7	30	20	3	0	0	70	3.17
	1.63	6.98	12.09	70	0.00	0.00	21.40	
	33	1.41	2.45	14	0.00	0.00	4.33	
S	7	20	33	20	0	0	80	3.82
	1.86	4.65	7.67	4.65	0.00	0.00	18.60	
	33	94	1.55	94	0.00	0.00	3.76	
SSW	4	8	11	6	0	0	29	3.45
	93	1.86	2.56	1.40	0.00	0.00	6.74	
	19	38	52	28	0.00	0.00	1.36	
SW	0	9	4	0	0	0	13	2.89
	00	2.09	93	0.00	0.00	0.00	3.02	
	00	42	19	0.00	0.00	0.00	61	
WSW	0	4	0	0	0	0	5	1.46
	70	47	0.00	0.00	0.00	0.00	1.16	
	14	09	0.00	0.00	0.00	0.00	24	
W	0	4	1	0	0	0	5	2.20
	00	93	23	0.00	0.00	0.00	1.16	
	00	19	05	0.00	0.00	0.00	24	
WNW	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NW	2	7	5	1	0	0	15	3.26
	70	70	47	23	0.00	0.00	2.10	
	14	14	09	05	0.00	0.00	47	
NNW	6	8	3	1	0	0	18	2.27
	1.40	1.86	70	23	0.00	0.00	4.19	
	28	38	14	05	0.00	0.00	85	
N	2	4	14	8	0	0	28	4.60
	47	93	3.26	1.86	0.00	23	6.51	
	09	19	66	38	0.00	05	1.32	
CALM	1						1	CALM
	05						05	
TOTAL	91	165	160	51	2	1	470	3.22
	11.86	38.37	37.21	11.86	.47	.23	100.00	
	2.40	7.76	7.53	2.40	.09	.05	20.23	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13:55:54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4	2	9	1	0	0	16	3.08
	1.25	63	2.82	31	0.00	0.00	5.02	
	19	09	42	05	0.00	0.00	75	
NE	7	8	1	0	0	0	16	2.11
	94	2.51	31	0.00	0.00	0.00	3.76	
	14	38	05	0.00	0.00	0.00	56	
ENE	2	5	9	0	0	0	16	2.81
	63	1.57	2.82	0.00	0.00	0.00	5.02	
	09	24	42	0.00	0.00	0.00	75	
E	7	10	7	0	0	0	24	2.45
	94	3.13	2.19	0.00	0.00	0.00	6.27	
	14	47	33	0.00	0.00	0.00	94	
ESE	0	15	4	0	0	0	19	2.58
	0.00	4.70	1.25	0.00	0.00	0.00	5.96	
	0.00	71	19	0.00	0.00	0.00	89	
SE	4	10	5	0	0	0	49	2.23
	1.25	12.54	1.57	0.00	0.00	0.00	15.36	
	19	1.88	24	0.00	0.00	0.00	2.30	
SSE	9	24	11	0	0	0	74	2.28
	2.82	16.93	3.45	0.00	0.00	0.00	23.20	
	42	2.54	52	0.00	0.00	0.00	3.48	
S	10	19	12	0	0	0	41	2.59
	1.57	5.02	4.08	31	0.00	0.00	10.97	
	24	79	61	05	0.00	0.00	1.65	
SSW	4	10	2	2	0	0	18	2.09
	1.88	3.13	82	0.00	0.00	0.00	5.64	
	42	47	09	0.00	0.00	0.00	85	
SW	4	3	0	0	0	0	7	1.43
	1.25	94	0.00	0.00	0.00	0.00	2.19	
	19	14	0.00	0.00	0.00	0.00	33	
WSW	1	2	0	0	0	0	3	1.60
	31	63	0.00	0.00	0.00	0.00	94	
	05	09	0.00	0.00	0.00	0.00	14	
W	1	2	0	0	0	0	3	1.63
	31	63	0.00	0.00	0.00	0.00	94	
	05	09	0.00	0.00	0.00	0.00	14	
WNW	1	2	0	0	0	0	3	1.83
	31	63	0.00	0.00	0.00	0.00	94	
	05	09	0.00	0.00	0.00	0.00	14	
NW	1	3	1	0	0	0	5	1.68
	2.19	1.88	31	0.00	0.00	0.00	4.39	
	33	28	05	0.00	0.00	0.00	66	
NNW	1	6	3	2	0	0	12	1.87
	1.88	1.88	0.00	0.00	0.00	0.00	3.76	
	28	28	0.00	0.00	0.00	0.00	56	
N	3	3	10	1	0	0	16	3.12
	63	94	3.13	31	0.00	0.00	5.02	
	04	14	47	05	0.00	0.00	75	
CALM	5						5	CALM
	09						09	
TOTAL	60	184	72	3	0	0	319	2.34
	18.81	57.68	22.57	.94	0.00	0.00	100.00	
	2.82	8.65	3.39	14	0.00	0.00	15.00	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13.56.54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	17 5.49 80	15 5.28 71	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	32 11.27 1.51	3.04
NE	3 1.06 14	26 9.15 1.45	6 2.11 .28	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	35 12.32 1.65	2.49
ENE	4 1.41 19	8 2.82 .38	2 .70 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	14 4.93 .66	2.09
E	1 .35 .05	15 5.28 .71	6 2.11 .28	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	22 7.75 1.03	2.64
ESE	0 0.00 0.00	27 9.51 1.27	8 2.82 .38	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	35 12.32 1.65	2.47
SE	11 3.87 .52	22 7.75 1.04	9 3.17 .42	1 .35 .05	0 0.00 0.00	0 0.00 0.00	43 15.14 2.02	2.03
SSE	6 2.11 .28	18 6.34 .85	4 1.41 .19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	28 9.86 1.32	2.02
S	5 1.76 .24	8 2.82 .38	2 .70 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	15 5.28 .71	1.77
SSW	5 1.76 .24	2 .70 .09	1 .35 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 2.82 .38	1.46
SW	2 .70 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 .70 .09	1.05
WSW	1 .35 .05	1 .35 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 .70 .09	1.75
W	1 .35 .05	1 .35 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 .70 .09	1.20
WNW	3 1.06 .14	4 1.41 .19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	7 2.46 .33	1.74
NW	5 1.76 .24	6 2.11 .28	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 3.87 .52	1.63
NNW	3 1.06 .14	6 2.11 .28	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9 3.17 .42	2.09
N	1 .35 .05	7 2.46 .33	3 1.06 .14	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	11 3.87 .52	2.73
CALM	1 .35 .05						1 .35 .05	CALM
TOTAL	52 18.31 2.45	183 64.44 8.61	49 17.25 2.30	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	284 100.00 13.36	2.26

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 13.56.54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	10 .47	36 1.69	56 2.63	32 1.51	14 .66	0 0.00	148 6.96	4.24
NE	12 .56	65 3.06	29 1.36	18 .85	0 0.00	0 0.00	124 5.83	3.09
ENE	13 .61	40 1.88	39 1.83	15 .71	0 0.00	0 0.00	107 5.03	3.21
E	11 .52	51 2.40	42 1.98	7 .33	0 0.00	0 0.00	111 5.22	3.00
ESE	3 .14	75 3.53	48 2.26	3 .14	0 0.00	0 0.00	129 6.07	2.93
SE	28 1.32	114 5.36	57 2.68	8 .38	1 .05	0 0.00	208 9.78	2.66
SSE	24 1.13	135 6.35	111 5.22	31 1.46	3 .14	0 0.00	304 14.30	3.19
S	27 1.27	84 3.95	110 5.17	73 3.43	16 .75	4 .19	314 14.77	4.08
SSW	18 .85	49 2.30	54 2.54	33 1.55	9 .42	5 .24	168 7.90	3.98
SW	9 .42	39 1.83	19 .89	10 .47	0 0.00	0 0.00	77 3.62	3.06
WSW	8 .38	11 .52	3 .14	3 .14	0 0.00	0 0.00	25 1.18	2.54
W	5 .24	21 .99	8 .38	0 0.00	0 0.00	0 0.00	34 1.60	2.40
WNW	6 .28	15 .71	6 .28	0 0.00	0 0.00	0 0.00	27 1.27	2.41
NW	16 .75	24 1.13	12 .56	6 .28	4 .19	0 0.00	62 2.92	3.04
NNW	16 .75	33 1.55	42 1.98	28 1.32	5 .24	1 .05	125 5.88	4.02
N	7 .33	22 1.03	69 3.25	47 2.21	9 .42	2 .09	156 7.34	4.63
CALM	7 .33						7 .33	CALM
TOTAL	220 10.35	814 38.29	705 33.16	314 14.77	81 2.81	12 .56	2126 100.00	3.48

NUMBER OF VALID OBSERVATIONS: 2126 98.43 PCT
NUMBER OF INVALID OBSERVATIONS: 34 1.57 PCT
TOTAL NUMBER OF OBSERVATIONS: 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 14 57 07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 .75 .05	1 .75 .05	2 1.50 .09	0 0.00 0.00	0 0.00 0.00	4 3.01 .18	5.17
NE	0 0.00 0.00	2 2.26 .14	0 0.00 0.00	1 .75 .05	0 0.00 0.00	0 0.00 0.00	3 3.01 .18	3.65
ENE	1 .75 .05	1 .75 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.50 .09	3.10
E	0 0.00 0.00	2 1.50 .09	1 .75 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 2.26 .14	2.80
ESE	1 .75 .05	1 .75 .05	1 .75 .05	5 3.76 .32	1 .75 .05	0 0.00 0.00	9 6.77 .54	5.75
SE	0 0.00 0.00	0 0.00 0.00	2 1.50 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.50 .09	3.70
SSE	0 0.00 0.00	1 .75 .05	2 1.50 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 2.26 .14	3.30
S	0 0.00 0.00	1 .75 .05	3 2.26 .14	11 8.27 .50	1 .75 .05	0 0.00 0.00	16 12.03 .77	7.96
SSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 3.01 .18	1 .75 .05	1 .75 .05	6 4.51 .27	7.82
SW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.50 .09	1 .75 .05	0 0.00 0.00	3 2.26 .14	5.93
WSW	0 0.00 0.00	0 0.00 0.00	2 1.50 .09	1 .75 .05	1 .75 .05	0 0.00 0.00	4 3.01 .18	4.80
W	0 0.00 0.00	0 0.00 0.00	1 .75 .05	2 1.50 .09	0 0.00 0.00	0 0.00 0.00	3 2.26 .14	3.50
WNW	0 0.00 0.00	0 0.00 0.00	1 .75 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .75 .05	6.21
NW	0 0.00 0.00	1 .75 .05	0 0.00 0.00	3 2.26 .14	1 .75 .05	0 0.00 0.00	5 3.76 .23	6.45
NNW	0 0.00 0.00	1 .75 .05	0 0.00 0.00	1 .75 .05	1 .75 .05	0 0.00 0.00	3 2.26 .14	7.54
N	0 0.00 0.00	0 0.00 0.00	1 .75 .05	3 2.26 .14	1 .75 .05	0 0.00 0.00	5 3.76 .23	7.83
CALM	0 0.00 0.00	1 .75 .05	1 .75 .05	2 1.50 .09	0 0.00 0.00	0 0.00 0.00	4 3.01 .18	CALM
TOTAL	1 .75 .05	14 10.53 .63	28 21.05 1.26	43 32.33 1.94	30 22.56 1.35	17 12.78 .77	133 100.00 5.99	6.38

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 14 57 07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	2 1.75 .09	2 1.75 .09	3 2.63 .14	0 0.00 0.00	0 0.00 0.00	7 6.14 .32	4.46
NE	1 .88 .05	1 .88 .05	1 .88 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 2.63 .14	4.53
ENE	1 .88 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .88 .05	2.90
E	0 0.00 0.00	0 0.00 0.00	1 .88 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .88 .05	5.00
ESE	0 0.00 0.00	0 0.00 0.00	1 .88 .05	1 .88 .05	0 0.00 0.00	0 0.00 0.00	2 1.75 .09	6.30
SE	0 0.00 0.00	0 0.00 0.00	1 .88 .05	1 .88 .05	1 .88 .05	0 0.00 0.00	3 2.63 .14	3.86
SSE	0 0.00 0.00	0 0.00 0.00	4 3.51 .23	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 3.51 .23	4.60
S	0 0.00 0.00	2 1.75 .09	1 .88 .05	2 1.75 .09	1 .88 .05	0 0.00 0.00	6 5.26 .27	7.13
SSW	1 .88 .05	0 0.00 0.00	8 7.02 .36	4 3.51 .18	8 7.02 .36	5 4.39 .23	26 22.81 1.17	7.41
SW	1 .88 .05	0 0.00 0.00	1 .88 .05	3 2.63 .14	2 1.75 .09	2 1.75 .09	9 7.89 .41	5.83
WSW	0 0.00 0.00	4 3.51 .23	1 .88 .05	7 6.14 .32	5 4.39 .23	0 0.00 0.00	17 14.91 .77	6.43
W	0 0.00 0.00	1 .88 .05	0 0.00 0.00	0 0.00 0.00	2 1.75 .09	0 0.00 0.00	3 2.63 .14	3.12
WNW	0 0.00 0.00	1 .75 .09	1 .75 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.51 .18	3.87
NW	0 0.00 0.00	1 .75 .09	0 0.00 0.00	1 .88 .05	0 0.00 0.00	0 0.00 0.00	2 1.63 .14	04
NNW	0 0.00 0.00	2 1.63 .14	0 0.00 0.00	1 .75 .09	0 0.00 0.00	0 0.00 0.00	4 3.39 .23	7.43
N	0 0.00 0.00	0 0.00 0.00	1 .88 .05	1 .88 .05	3 2.51 .18	0 0.00 0.00	5 4.26 .27	5.79
CALM	0 0.00 0.00	1 .75 .09	1 .88 .05	7 7.02 .36	1 .75 .09	0 0.00 0.00	11 9.40 .59	CALM
TOTAL	2 1.75 .09	18 15.42 .95	21 17.93 1.13	25 21.37 1.13	25 21.37 1.13	7 6.14 .32	114 100.00 5.13	5.84

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 14.37.07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	2 1.68 .04	1 .84 .05	1 .84 .05	0 0.00 0.00	0 0.00 0.00	4 3.36 .18	3.82
NE	0 0.00 0.00	0 0.00 0.00	1 .84 .05	1 .84 .05	0 0.00 0.00	0 0.00 0.00	2 1.68 .09	4.83
ENE	0 0.00 0.00	0 0.00 0.00	2 1.68 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.68 .09	3.33
E	0 0.00 0.00	0 0.00 0.00	2 1.68 .09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.68 .09	4.28
ESE	0 0.00 0.00	0 0.00 0.00	4 3.36 .18	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 3.36 .18	4.24
SE	0 0.00 0.00	0 0.00 0.00	7 5.88 .32	1 .84 .05	0 0.00 0.00	0 0.00 0.00	8 6.72 .36	5.22
SSE	0 0.00 0.00	1 .84 .05	1 .84 .05	0 0.00 0.00	1 .84 .05	0 0.00 0.00	3 2.52 .14	4.27
S	0 0.00 0.00	1 .84 .05	2 1.68 .09	2 1.68 .09	0 0.00 0.00	0 0.00 0.00	5 4.20 .23	6.60
SSW	0 0.00 0.00	1 .84 .05	4 3.36 .18	7 5.88 .32	5 4.20 .23	0 0.00 0.00	17 14.29 .77	6.01
SW	0 0.00 0.00	1 .84 .05	3 2.52 .14	6 5.04 .27	1 .84 .05	0 0.00 0.00	11 9.24 .50	6.14
WSW	0 0.00 0.00	0 0.00 0.00	1 .84 .05	3 2.52 .14	1 .84 .05	0 0.00 0.00	5 4.20 .23	6.72
W	0 0.00 0.00	1 .84 .05	1 .84 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.68 .09	2.77
WNW	0 0.00 0.00	0 0.00 0.00	1 .84 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .84 .05	3.86
NW	0 0.00 0.00	1 .84 .05	4 3.36 .18	1 .84 .05	0 0.00 0.00	0 0.00 0.00	6 5.04 .27	4.10
NNW	0 0.00 0.00	1 .84 .05	2 1.68 .09	1 .84 .05	0 0.00 0.00	0 0.00 0.00	4 3.36 .18	8.06
N	0 0.00 0.00	0 0.00 0.00	1 .84 .05	0 0.00 0.00	1 .84 .05	1 .84 .05	3 2.52 .14	4.65
CALM	0 0.00 0.00	2 1.68 .09	1 .84 .05	2 1.68 .09	0 0.00 0.00	0 0.00 0.00	5 4.20 .23	5.40
TOTAL	0 0.00 0.00	13 10.92 .59	48 40.34 2.16	35 29.41 1.58	13 10.92 .59	4 3.36 .18	113 94.96 5.09	CALM
	0 0.00 0.00	16 13.45 .72	48 40.34 2.16	35 29.41 1.58	16 13.45 .72	4 3.36 .18	119 100.00 5.36	5.24

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 14.37.07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .33 .09	7 1.16 .32	7 1.16 .32	13 2.16 .59	2 .33 .09	4 .67 .18	35 5.81 1.59	5.29
NE	0 0.00 0.00	8 1.33 .36	3 .50 .14	1 .17 .05	0 0.00 0.00	0 0.00 0.00	12 1.99 .54	3.63
ENE	0 0.00 0.00	2 .33 .09	4 .67 .18	2 .33 .09	0 0.00 0.00	0 0.00 0.00	8 1.33 .36	4.47
E	1 .17 .05	3 .50 .14	1 .17 .05	1 .17 .05	1 .17 .05	0 0.00 0.00	7 1.17 .32	3.85
ESE	0 0.00 0.00	2 .33 .09	5 .83 .23	3 .50 .14	0 0.00 0.00	0 0.00 0.00	10 1.66 .45	5.09
SE	2 .33 .09	6 1.00 .27	1 .17 .05	3 .50 .14	1 .17 .05	0 0.00 0.00	13 2.16 .59	5.38
SSE	2 .33 .09	8 1.33 .36	6 1.00 .27	3 .50 .14	2 .33 .09	0 0.00 0.00	21 3.49 .95	4.97
S	0 0.00 0.00	2 .33 .09	7 1.16 .32	4 .66 .18	2 .33 .09	0 0.00 0.00	15 2.49 .68	6.42
SSW	3 .50 .14	9 1.50 .41	6 1.00 .27	10 1.66 .45	5 .83 .23	2 .33 .09	35 5.81 1.59	6.46
SW	1 .17 .05	1 .17 .05	2 .33 .09	3 .50 .14	2 .33 .09	1 .17 .05	10 1.66 .45	4.58
WSW	1 .17 .05	2 .33 .09	1 .17 .05	1 .17 .05	0 0.00 0.00	0 0.00 0.00	4 .66 .18	3.30
W	4 .67 .18	1 .17 .05	1 .17 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 1.00 .27	4.20
WNW	0 0.00 0.00	1 .17 .05	1 .17 .05	1 .17 .05	0 0.00 0.00	0 0.00 0.00	3 .50 .14	5.71
NW	0 0.00 0.00	2 .33 .09	2 .33 .09	1 .17 .05	1 .17 .05	0 0.00 0.00	6 1.00 .27	6.28
NNW	1 .17 .05	1 .17 .05	0 0.00 0.00	1 .17 .05	1 .17 .05	0 0.00 0.00	4 .66 .18	5.86
N	2 .33 .09	0 0.00 0.00	1 .17 .05	3 .50 .14	1 .17 .05	0 0.00 0.00	7 1.17 .32	6.47
CALM	1 .17 .05	2 .33 .09	1 .17 .05	4 .66 .18	2 .33 .09	0 0.00 0.00	10 1.66 .45	CALM
TOTAL	19 3.16 .86	90 14.95 4.05	165 27.45 7.43	194 32.28 8.73	95 15.81 4.28	38 6.32 1.71	601 100.00 27.06	5.60

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 14:57:07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	5 .86 .23	16 2.76 .72	6 1.03 .27	5 .86 .23	3 .52 .14	35 6.03 1.58	5.65
NE	0 0.00 0.00	7 1.21 .32	4 .69 .18	1 .17 .05	0 0.00 0.00	0 0.00 0.00	12 2.59 .68	2.70
ENE	0 0.00 0.00	4 .69 .18	5 .86 .23	4 .69 .18	0 0.00 0.00	0 0.00 0.00	13 2.24 .59	4.15
E	0 0.00 0.00	5 .86 .23	4 .69 .18	3 .52 .14	0 0.00 0.00	0 0.00 0.00	12 2.07 .54	4.22
ESE	0 0.00 0.00	3 .52 .14	13 2.24 .59	7 1.21 .32	1 .17 .05	0 0.00 0.00	24 4.14 1.08	4.73
SE	2 .34 .09	11 1.90 .50	18 3.10 .81	8 1.38 .36	7 1.21 .32	0 0.00 0.00	44 7.59 1.98	4.57
SSE	4 .69 .18	23 3.97 1.04	29 5.00 1.31	20 3.97 1.04	2 .34 .09	0 0.00 0.00	81 13.97 3.65	4.14
S	8 1.38 .36	14 2.41 .63	59 10.17 2.66	59 10.17 2.66	24 4.14 1.08	12 2.07 .54	176 30.34 7.93	6.12
SSW	1 .17 .05	11 1.90 .50	13 2.24 .59	9 1.55 .41	3 .52 .14	2 .34 .09	39 6.72 1.76	4.79
SW	0 0.00 0.00	5 .86 .23	10 1.72 .45	3 .52 .14	0 0.00 0.00	0 0.00 0.00	18 3.10 .81	3.49
WSW	1 .17 .05	3 .52 .14	5 .86 .23	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9 1.55 .41	2.59
W	2 .34 .09	11 1.90 .50	3 .52 .14	1 .17 .05	0 0.00 0.00	0 0.00 0.00	17 2.93 .77	2.68
WNW	2 .34 .09	9 1.55 .41	5 .86 .23	2 .34 .09	0 0.00 0.00	0 0.00 0.00	18 3.10 .81	3.10
NW	2 .34 .09	9 1.55 .41	5 .86 .23	2 .34 .09	0 0.00 0.00	0 0.00 0.00	18 3.10 .81	3.24
NNW	1 .17 .05	1 .17 .05	12 2.07 .54	5 .86 .23	0 0.00 0.00	0 0.00 0.00	18 3.10 .81	4.17
N	0 0.00 0.00	1 .17 .05	2 .34 .09	1 .17 .05	0 0.00 0.00	0 0.00 0.00	4 .69 .18	4.64
CALM	1 .17 .05	4 .69 .18	1 .17 .05	4 .69 .18	3 .52 .14	0 0.00 0.00	13 2.24 .59	CALM
TOTAL	0 0.00 0.00 21 3.62 .95	131 22.59 5.90	211 36.38 9.50	135 23.28 6.08	64 11.03 2.88	18 3.10 .81	0 0.00 0.00 580 100.00 26.11	4.82

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 14:57:07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .17 .03	7 1.21 .22	10 1.72 .32	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	18 3.10 .57	2.81
NE	2 .34 .06	2 .34 .06	3 .52 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	7 1.21 .22	2.07
ENE	2 .34 .06	4 .69 .13	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 1.03 .19	2.31
E	0 0.00 0.00	1 .17 .03	3 .52 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 .69 .13	2.95
ESE	2 .34 .06	3 .52 .10	1 .17 .03	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 1.03 .19	2.84
SE	0 0.00 0.00	3 .52 .10	2 .34 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5 .86 .16	2.66
SSE	2 .34 .06	7 1.21 .22	1 .17 .03	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9 1.55 .28	3.02
S	0 0.00 0.00	8 1.38 .25	7 1.21 .22	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	15 2.59 .47	3.54
SSW	5 .86 .16	2 .34 .06	7 1.21 .22	4 .69 .13	0 0.00 0.00	0 0.00 0.00	11 1.90 .35	2.66
SW	1 .17 .03	4 .69 .13	3 .52 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 1.38 .25	2.39
WSW	1 .17 .03	1 .17 .03	1 .17 .03	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 .52 .09	1.59
W	1 .17 .03	1 .17 .03	2 .34 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 .52 .09	1.90
WNW	1 .17 .03	2 .34 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 .52 .09	2.69
NW	1 .17 .03	1 .17 .03	1 .17 .03	1 .17 .03	0 0.00 0.00	0 0.00 0.00	4 .69 .13	2.80
NNW	2 .34 .06	5 .86 .16	3 .52 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9 1.55 .28	3.14
N	0 0.00 0.00	2 .34 .06	2 .34 .06	1 .17 .03	0 0.00 0.00	0 0.00 0.00	5 .86 .16	2.67
CAL	1 .17 .03	3 .52 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 .69 .13	CALM
TOTAL	0 0.00 0.00 26 8.36 1.17	160 51.45 7.20	119 38.26 5.36	6 1.93 .27	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00 311 100.00 14.00	2.82

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 14.57.07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 18	18 4.96	5 1.38	1 .28	0 0.00	0 0.00	25 6.89	2.78
NE	4 .55	9 .81	2 .23	0 .05	0 0.00	0 0.00	10 1.10	1.98
ENE	1.10	1.65	0.00	0.00	0.00	0.00	2.75	
	18	27	0.00	0.00	0.00	0.00	45	2.23
	5 .55	5 1.65	0 .55	0 0.00	0 0.00	0 0.00	10 2.75	
E	09	27	09	0.00	0.00	0.00	45	2.98
	0 0.00	18 4.96	11 3.03	0 0.00	0 0.00	0 0.00	29 7.99	
ESE	0.00	.81	.50	0.00	0.00	0.00	1.31	2.33
	5 .83	5 .81	0 0.00	0 0.00	0 0.00	0 0.00	10 1.65	
SE	14	90	14	0.00	0.00	0.00	1.19	2.32
	3 .28	9 .99	3 .28	0 0.00	0 0.00	0 0.00	12 1.32	
SSE	4 .55	1 .83	4 .55	0 0.00	0 0.00	0 0.00	1.93	2.82
	5 .55	5 .55	4 .41	0 0.00	0 0.00	0 0.00	10 1.10	
S	09	55	72	0.00	0.00	0.00	1.76	2.70
	1 .83	7 .99	2 .75	1 .28	0 0.00	0 0.00	11 1.85	
SSW	14	1.01	.45	.05	0.00	0.00	1.94	2.11
	1 .55	3 .86	1 .55	0 0.00	0 0.00	0 0.00	6 .52	
SW	27	.83	09	0.00	0.00	0.00	99	1.84
	3 .83	1 .28	0 0.00	0 0.00	0 0.00	0 0.00	2 .28	
WSW	14	.41	0.00	0.00	0.00	0.00	.36	1.52
	1 .93	2 .20	0 0.00	0 0.00	0 0.00	0 0.00	4 .10	
W	32	56	0.00	0.00	0.00	0.00	68	1.79
	3 .83	1 .28	1 .28	0 0.00	0 0.00	0 0.00	2.48	
WNW	14	.14	.05	0.00	0.00	0.00	.41	2.20
	3 .83	3 .86	1 .83	0 0.00	0 0.00	0 0.00	5 .51	
NW	14	.83	14	0.00	0.00	0.00	.90	2.34
	3 .83	6 .89	1 .83	0 0.00	0 0.00	0 0.00	8 .54	
NNW	14	1.10	14	0.00	0.00	0.00	1.40	2.95
	0 0.00	1 .93	1 .93	0 0.00	0 0.00	0 0.00	2 .86	
N	0.00	.32	.32	0.00	0.00	0.00	.63	2.62
	5 .55	2 .55	1 .10	0 0.00	0 0.00	0 0.00	4 .41	
CALM	09	45	18	0.00	0.00	0.00	.72	CALM
	2 .55						55	
TOTAL	09	49	242	70	2	0	363	2.44
	13 3.20	66.67	19 29	5 .55	0 0.00	0 0.00	100.00	
	2.21	10.90	3.15	09	0.00	0.00	16.34	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 14.57.07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 .18	40 1.89	42 1.89	26 1.17	7 .32	7 .32	128 5.76	4.45
NE	8 .36	27 1.22	21 .95	5 .23	0 0.00	0 0.00	61 2.75	3.14
ENE	2 .09	20 .90	16 .72	6 .27	0 0.00	0 0.00	44 1.98	3.35
E	2 .09	40 1.80	38 1.71	6 .27	1 .05	0 0.00	87 3.92	3.41
ESE	4 .18	36 1.62	40 1.80	21 .95	5 .23	0 0.00	106 4.77	4.00
SE	10 .45	77 3.47	45 2.03	9 .41	17 .77	2 .09	160 7.20	3.77
SSE	6 .27	84 3.78	97 4.37	38 1.71	10 .45	1 .05	236 10.63	3.87
S	12 .54	63 2.84	143 6.44	149 6.71	100 4.50	38 1.71	505 22.74	5.92
SSW	12 .54	48 2.16	45 2.03	48 2.16	13 .59	18 .81	184 8.28	5.09
SW	8 .36	34 1.53	30 1.35	24 1.08	13 .59	2 .09	111 5.00	4.40
WSW	17 .77	26 1.17	14 .63	3 .14	4 .18	0 0.00	64 2.88	2.77
W	9 .41	30 1.35	20 .90	5 .23	3 .14	0 0.00	67 3.02	3.11
WNW	9 .41	37 1.67	22 .99	20 .90	7 .32	0 0.00	95 4.28	3.46
NW	6 .27	61 2.75	24 1.08	9 .41	4 .18	8 .36	112 5.04	3.76
NNW	1 .05	19 .86	39 1.76	34 1.53	22 .99	0 0.00	115 5.18	5.07
N	5 .23	30 1.35	30 1.35	46 2.07	24 1.08	8 .36	143 6.44	5.40
CALM	3 .14						3 .14	CALM
TOTAL	118 5.31	674 30.35	666 29.99	449 20.22	230 10.36	75 3.38	2221 100.00	4.54

NUMBER OF VALID OBSERVATIONS: 2221 — 99.51 PCT
NUMBER OF INVALID OBSERVATIONS: 11 — .49 PCT
TOTAL NUMBER OF OBSERVATIONS: 2232 — 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15:00:46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND): 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NE	0	2	1	1	0	0	4	3.88
	0.00	2.56	1.68	.84	0.00	0.00	5.04	
	0.00	.14	.09	.05	0.00	0.00	.48	
ENE	0	0	4	0	0	0	4	4.40
	0.00	0.00	3.36	0.00	0.00	0.00	3.36	
	0.00	0.00	.19	0.00	0.00	0.00	.19	
E	0	0	1	0	0	0	1	4.30
	0.00	0.00	.84	0.00	0.00	0.00	.84	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
ESE	0	2	0	0	0	1	3	2.55
	0.00	1.68	0.00	0.00	0.00	.84	2.52	
	0.00	.09	0.00	0.00	0.00	.05	.14	
SE	1	1	0	0	0	0	2	1.40
	.84	.84	0.00	0.00	0.00	0.00	1.68	
	.05	.05	0.00	0.00	0.00	0.00	.09	
SSE	0	0	4	8	1	0	13	5.45
	0.00	0.00	3.36	6.72	.84	0.00	10.92	
	0.00	0.00	.19	.37	.05	0.00	.61	
S	0	0	4	5	1	0	12	5.92
	0.00	0.00	3.36	5.88	.84	0.00	10.08	
	0.00	0.00	.19	.32	.05	0.00	.56	
SSW	0	0	2	2	4	0	8	8.98
	0.00	0.00	1.68	1.68	3.36	0.00	6.40	
	0.00	0.00	.09	.09	.19	0.00	.47	
SW	0	0	0	9	8	0	17	9.74
	0.00	0.00	0.00	7.56	6.72	0.00	14.29	
	0.00	0.00	0.00	.42	.37	0.00	.79	
WSW	0	0	0	0	1	0	1	10.10
	0.00	0.00	0.00	0.00	.84	0.00	.84	
	0.00	0.00	0.00	0.00	.05	0.00	.05	
W	0	0	0	2	0	0	2	7.70
	0.00	0.00	0.00	1.68	0.00	0.00	1.68	
	0.00	0.00	0.00	.09	0.00	0.00	.09	
WNW	0	1	0	1	0	0	2	6.58
	0.00	.84	0.00	.84	0.00	0.00	1.68	
	0.00	.05	0.00	.05	0.00	0.00	.09	
NW	0	0	0	4	1	0	5	7.86
	0.00	0.00	0.00	3.36	.84	0.00	4.20	
	0.00	0.00	0.00	.23	.05	0.00	.28	
NNW	0	0	1	4	0	0	5	7.65
	0.00	0.00	.84	3.36	0.00	0.00	4.20	
	0.00	0.00	.05	.23	0.00	0.00	.28	
N	0	0	0	3	0	0	3	7.61
	0.00	0.00	0.00	2.52	0.00	0.00	2.52	
	0.00	0.00	0.00	.14	0.00	0.00	.14	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	7	18	44	16	0	119	7.07
	.84	5.88	15.13	36.97	13.45	0.00	100.00	
	.05	.33	.84	2.05	.74	0.00	5.54	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15:00:46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND): 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	1	2	0	4	6.65
	0.00	0.00	.88	.88	1.77	0.00	3.54	
	0.00	0.00	.05	.05	.09	0.00	.19	
NE	0	0	0	0	2	0	2	4.30
	0.00	2.65	0.00	1.77	0.00	0.00	4.42	
	0.00	.14	0.00	.09	0.00	0.00	.23	
ENE	0	2	2	0	0	0	4	3.22
	0.00	1.77	1.77	0.00	0.00	0.00	3.54	
	0.00	.09	.09	0.00	0.00	0.00	.19	
E	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	0	1	0	0	0	0	1	1.95
	0.00	1.77	0.00	0.00	0.00	0.00	1.77	
	0.00	.09	0.00	0.00	0.00	0.00	.09	
SE	0	1	0	0	0	0	1	2.40
	0.00	.88	0.00	0.00	0.00	0.00	.88	
	0.00	.05	0.00	0.00	0.00	0.00	.05	
SSE	0	0	1	3	0	0	5	5.52
	0.00	0.00	1.77	2.65	0.00	0.00	4.42	
	0.00	0.00	.09	.14	0.00	0.00	.23	
S	0	0	1	10	2	0	13	7.12
	0.00	0.00	.88	8.85	1.77	0.00	11.50	
	0.00	0.00	.05	.47	.09	0.00	.61	
SSW	0	0	2	4	2	0	8	7.44
	0.00	0.00	1.77	3.54	1.77	0.00	7.96	
	0.00	0.00	.09	.19	.09	0.00	.42	
SW	0	0	0	5	2	0	8	7.72
	0.00	0.00	0.00	4.42	1.77	0.00	7.08	
	0.00	0.00	0.00	.23	.09	0.00	.37	
WSW	0	0	0	3	0	0	3	6.23
	0.00	0.00	0.00	2.65	0.00	0.00	2.65	
	0.00	0.00	0.00	.14	0.00	0.00	.14	
W	0	1	4	3	0	0	8	4.55
	0.00	.88	3.54	2.65	0.00	0.00	7.08	
	0.00	.05	.19	.14	0.00	0.00	.37	
WNW	0	1	0	7	0	0	8	5.45
	0.00	.88	0.00	6.31	0.00	0.00	7.08	
	0.00	.05	0.00	.28	0.00	0.00	.37	
NW	0	2	2	8	5	0	17	8.69
	0.00	1.77	0.00	4.42	7.08	5.31	18.58	
	0.00	.09	0.00	.23	.37	.28	.98	
NNW	0	0	2	4	1	0	11	7.16
	0.00	0.00	2.65	3.54	2.65	.88	9.73	
	0.00	0.00	.14	.19	.14	.05	.51	
N	0	2	2	2	2	1	9	6.40
	0.00	1.77	2.65	1.77	1.77	.88	9.73	
	0.00	.09	.14	.09	.09	.05	.51	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	14	19	48	17	15	113	6.61
	0.00	12.39	16.81	42.48	15.04	13.27	100.00	
	0.00	.85	.99	2.23	.79	.70	5.26	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15:03:46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	3	7	8	0	19	6.69
	0.00	.68	2.04	4.76	5.44	0.00	12.93	
	0.00	.05	.14	.33	.37	0.00	.88	
NE	0	2	3	0	1	0	6	4.05
	0.00	1.36	2.04	0.00	.68	0.00	4.08	
	0.00	.09	.14	0.00	.05	0.00	.27	
ENE	0	1	1	0	0	0	2	3.40
	0.00	.68	.68	0.00	0.00	0.00	1.36	
	0.00	.05	.05	0.00	0.00	0.00	.09	
E	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	0	1	0	4	0	0	5	5.56
	0.00	.68	0.00	2.72	0.00	0.00	3.40	
	0.00	.05	0.00	.19	0.00	0.00	.23	
SE	0	0	0	1	0	0	1	5.30
	0.00	0.00	0.00	.68	0.00	0.00	.68	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
SSE	0	0	1	3	0	0	5	5.24
	0.00	0.00	.68	2.04	0.00	0.00	3.40	
	0.00	0.00	.05	.14	0.00	0.00	.23	
S	0	1	7	6	1	0	15	5.29
	0.00	.68	4.76	4.08	.68	0.00	10.20	
	0.00	.05	.33	.28	.05	0.00	.70	
SSW	0	1	3	7	2	1	14	6.16
	0.00	.68	2.04	4.76	.68	1.36	9.52	
	0.00	.05	.14	.33	.05	.05	.65	
SW	0	1	1	2	1	2	7	6.94
	0.00	.68	.68	1.36	.68	1.36	4.76	
	0.00	.05	.05	.09	.05	.09	.33	
WSW	0	2	0	1	0	0	3	4.13
	0.00	1.36	0.00	.68	0.00	0.00	2.04	
	0.00	.09	0.00	.05	0.00	0.00	.14	
W	0	0	4	6	0	0	10	5.11
	0.00	0.00	2.72	4.08	0.00	0.00	6.80	
	0.00	0.00	.19	.28	0.00	0.00	.47	
WNW	0	1	3	1	0	0	5	4.32
	0.00	.68	2.04	.68	0.00	0.00	3.40	
	0.00	.05	.14	.05	0.00	0.00	.23	
NW	0	1	0	13	3	5	22	7.74
	0.00	.68	0.00	8.84	2.04	3.40	14.97	
	0.00	.05	0.00	.61	.14	.23	1.02	
NNW	0	0	3	7	4	2	16	7.16
	0.00	0.00	2.04	4.76	2.72	1.36	10.88	
	0.00	0.00	.14	.33	.19	.09	.75	
N	0	0	2	4	8	1	15	7.71
	0.00	0.00	1.36	2.72	5.44	.68	10.20	
	0.00	0.00	.09	.19	.37	.05	.70	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	12	32	61	30	12	147	6.35
	0.00	8.16	21.77	41.50	20.41	8.16	100.00	
	0.00	.56	1.49	2.84	1.40	.56	6.84	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15:00:46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	4	27	16	13	0	61	5.40
	.14	.54	3.67	2.18	1.77	0.00	8.30	
	.03	.14	1.66	.84	.61	0.00	2.84	
NE	0	3	8	2	0	0	13	4.02
	0.00	.68	2.72	1.09	0.00	0.00	4.49	
	0.00	.23	.93	.37	0.00	0.00	1.54	
ENE	0	2	5	5	1	0	14	4.66
	0.00	.54	1.36	1.36	.14	0.00	1.90	
	0.00	.09	.47	.47	.05	0.00	.65	
E	1	3	8	9	1	0	22	4.70
	.14	.41	1.09	1.22	.14	0.00	2.99	
	.05	.14	.37	.42	.05	0.00	1.02	
ESE	1	0	3	5	0	0	9	4.87
	.14	0.00	.41	.68	0.00	0.00	1.22	
	.05	0.00	.14	.23	0.00	0.00	.42	
SE	0	5	5	1	2	1	14	5.00
	0.00	.68	.68	.14	.41	.14	2.04	
	0.00	.23	.23	.05	.14	.05	.70	
SSE	3	4	8	1	2	0	18	4.09
	.41	.54	1.09	.14	.27	0.00	2.45	
	.14	.19	.37	.05	.09	0.00	.84	
S	1	2	5	5	3	2	18	5.33
	.14	.27	.68	.68	.41	.27	2.45	
	.05	.09	.23	.23	.14	.09	.84	
SSW	2	8	7	3	5	2	27	5.74
	.27	1.09	.95	.41	.68	.27	3.67	
	.09	.37	.33	.14	.23	.09	1.26	
SW	1	0	10	9	1	1	22	6.15
	.14	0.00	1.36	1.22	.14	.14	2.99	
	.05	0.00	.47	.42	.05	.05	1.03	
WSW	0	2	5	7	2	1	17	6.50
	0.00	.27	.68	.95	0.00	.14	2.31	
	0.00	.09	.23	.33	0.00	.05	.79	
W	0	2	8	24	3	0	42	5.42
	0.00	.27	1.09	3.27	.41	0.00	5.71	
	0.00	.09	.37	1.12	.14	0.00	1.96	
WNW	0	1	4	14	0	0	19	4.89
	0.00	.14	.54	1.90	0.00	0.00	2.59	
	0.00	.05	.19	.65	0.00	0.00	.89	
NW	1	3	10	27	12	1	54	6.05
	.14	.41	1.36	3.67	1.63	.14	7.35	
	.05	.14	.47	1.26	.56	.05	2.51	
NNW	1	2	4	14	8	0	29	6.30
	.14	.27	.54	1.90	1.09	0.00	3.94	
	.05	.09	.19	.65	.37	0.00	1.35	
N	3	7	11	27	6	0	54	5.23
	.41	.95	1.50	3.67	.82	0.00	7.35	
	.14	.33	.51	1.26	.28	0.00	2.51	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	13	85	244	283	125	11	735	5.40
	1.77	11.56	33.20	34.97	17.01	1.50	100.00	
	.61	3.96	11.36	11.96	5.82	.51	34.22	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15.03.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .48	3 1.44	5 2.39	0 0.00	0 0.00	0 0.00	9 4.31	2.94
NE	0 0.00	4 1.92	3 1.44	0 0.00	0 0.00	0 0.00	7 3.35	2.70
ENE	2 .96	1 .48	4 1.91	0 0.00	0 0.00	0 0.00	7 3.35	2.87
E	1 .48	2 .96	3 1.44	0 0.00	0 0.00	0 0.00	6 2.87	2.77
ESE	2 .96	3 1.44	4 1.91	0 0.00	0 0.00	0 0.00	9 4.31	2.60
SE	0 0.00	2 .96	5 2.39	0 0.00	0 0.00	0 0.00	7 3.35	2.91
SSE	0 0.00	4 1.92	2 .96	0 0.00	0 0.00	0 0.00	6 2.87	3.16
S	2 .96	5 2.39	10 4.78	0 0.00	0 0.00	0 0.00	17 8.13	3.00
SSW	1 .48	11 5.26	11 5.26	0 0.00	0 0.00	0 0.00	23 11.00	3.18
SW	1 .48	2 .96	2 .96	0 0.00	0 0.00	0 0.00	5 2.39	2.51
WSW	1 .48	3 1.44	1 .48	0 0.00	0 0.00	0 0.00	5 2.39	2.43
W	3 1.44	3 1.44	1 .48	0 0.00	0 0.00	0 0.00	7 3.35	2.33
WNW	2 .96	2 .96	3 1.44	0 0.00	0 0.00	0 0.00	7 3.35	2.82
NW	3 1.44	2 .96	0 0.00	0 0.00	0 0.00	0 0.00	5 2.39	1.82
NNW	3 1.44	4 1.91	0 0.00	0 0.00	0 0.00	0 0.00	7 3.35	2.12
N	3 1.44	3 1.44	1 .48	0 0.00	0 0.00	0 0.00	7 3.35	1.83
CALM	0 0.00						0 0.00	CALM
TOTAL	25 12.44	55 27.36	86 42.79	35 17.41	0 0.00	0 0.00	201 100.00	2.76

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15.03.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .09	17 .79	49 2.28	26 1.21	24 1.12	0 0.00	118 5.49	5.10
NE	2 .09	28 1.30	42 1.96	12 .56	1 .05	0 0.00	85 3.96	3.59
ENE	3 .14	13 .61	38 1.77	8 .37	1 .05	0 0.00	63 2.93	3.95
E	2 .09	11 .51	24 1.12	14 .65	3 .14	0 0.00	54 2.51	4.30
ESE	4 .19	18 .84	14 .65	11 .51	0 0.00	0 0.00	47 2.19	3.60
SE	3 .14	35 1.63	25 1.16	6 .28	7 .33	1 .05	77 3.58	3.68
SSE	6 .28	60 2.79	103 4.80	44 2.05	4 .19	0 0.00	217 10.10	4.00
S	5 .23	77 3.58	155 7.22	79 3.68	53 2.47	8 .37	377 17.55	4.92
SSW	4 .19	32 1.49	68 3.17	67 3.12	19 .88	15 .70	205 9.54	5.26
SW	2 .09	19 .88	29 1.35	18 .84	23 1.07	12 .56	103 4.80	5.87
WSW	4 .19	28 1.30	14 .65	12 .56	7 .33	1 .05	66 3.07	4.08
W	5 .23	29 1.35	42 1.96	41 1.91	6 .28	0 0.00	123 5.73	4.44
WNW	6 .28	30 1.40	63 2.93	38 1.77	3 .14	0 0.00	140 6.52	4.18
NW	6 .28	32 1.49	50 2.33	66 3.07	28 1.30	14 .65	196 9.12	5.56
NNW	4 .19	15 .70	33 1.54	70 3.26	36 1.68	3 .14	161 7.50	5.93
N	5 .23	20 .93	25 1.16	41 1.91	22 1.02	3 .14	116 5.40	5.41
CALM	0 0.00						0 0.00	CALM
TOTAL	63 2.93	464 21.60	774 36.03	553 25.74	237 11.03	57 2.65	2148 100.00	4.80

NUMBER OF VALID OBSERVATIONS: 2148 — 99.44 PCT
NUMBER OF INVALID OBSERVATIONS: 12 — .56 PCT
TOTAL NUMBER OF OBSERVATIONS: 2160 — 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15.09.30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 1.56 .05	0 0.00 0.00	0 0.00 0.00	1 1.56 .09	0 0.00 0.00	2 3.13 .10	5.90
NE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
ESE	1 0.00 .05	1 1.56 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.56 .05	1.70
SE	2 0.00 .10	2 3.13 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 3.13 .19	2.40
SSE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 6.25 .21	0 0.00 0.00	0 0.00 0.00	4 6.25 .21	6.50
S	3 0.00 .14	0 0.00 0.00	3 4.69 .16	5 7.81 .26	0 0.00 0.00	1 1.56 .05	12 18.75 .62	5.74
SSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
SW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
WSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3.96
W	1 0.00 .05	1 1.56 .05	4 6.25 .21	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5 7.81 .26	0.00
WNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	.70
NW	1 1.56 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.56 .05	6.82
NNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 4.69 .16	1 1.56 .09	0 0.00 0.00	4 6.25 .21	7.12
N	1 1.56 .05	0 0.00 0.00	2 3.13 .10	12 18.75 .62	13 20.31 1.36	0 0.00 0.00	28 43.75 1.46	6.92
CALM	0 0.00 0.00	0 0.00 0.00	3 4.69 .16	2 3.13 .10	3 4.69 .16	1 1.56 .05	9 14.06 .47	CALM
TOTAL	5 0.00 0.00 7.81 .10	5 7.81 .26	12 18.75 .63	26 40.62 1.36	18 28.12 .94	1 1.56 .05	64 100.00 3.34	6.24

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15.09.30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .99 .05	2 1.98 .10	3 2.97 .16	10.40
NE	1 .99 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .99 .05	2.10
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	1 .99 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .99 .05	2.10
ESE	1 .99 .05	1 .99 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.98 .10	2.20
SE	0 0.00 0.00	3 2.97 .16	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 2.97 .16	2.13
SSE	0 0.00 0.00	1 .99 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .99 .05	2 1.98 .10	3.70
S	0 0.00 0.00	0 0.00 0.00	3 2.97 .16	8 7.92 .42	0 0.00 0.00	0 0.00 0.00	11 10.89 .57	5.36
SSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 5.94 .31	0 0.00 0.00	1 .99 .05	7 6.93 .36	7.13
SW	1 .99 .05	0 0.00 0.00	0 0.00 0.00	2 1.98 .10	0 0.00 0.00	1 .99 .05	4 3.96 .21	6.20
WSW	1 .99 .05	0 0.00 0.00	0 0.00 0.00	4 3.96 .21	1 .99 .05	0 0.00 0.00	6 5.94 .31	5.15
W	0 0.00 0.00	1 .99 .05	3 2.97 .16	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 3.96 .21	3.60
WNW	0 0.00 0.00	1 .99 .05	0 0.00 0.00	2 1.98 .10	2 1.98 .10	0 0.00 0.00	5 4.95 .26	6.55
NW	1 .99 .05	4 3.96 .21	5 4.95 .26	9 8.91 .47	2 1.98 .10	4 3.96 .21	25 24.75 1.30	5.98
NNW	0 0.00 0.00	2 1.98 .10	2 1.98 .10	8 7.92 .42	6 5.94 .31	1 .99 .05	19 18.81 .99	6.79
N	0 0.00 0.00	0 0.00 0.00	3 2.97 .16	4 3.96 .21	4 3.96 .21	0 0.00 0.00	7 6.93 .36	7.09
CALM	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
TOTAL	5 0.00 0.00 1.98 .10	16 15.84 .83	14 13.86 .73	43 42.57 2.24	17 16.83 .89	9 8.91 .47	101 100.00 5.27	5.96

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15:09:30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.000 0.000	1 .57 .05	0 0.000 0.000	0 0.000 0.000	2 1.15 .10	0 0.000 0.000	3 1.72 .16	6.77
NE	0 0.000 0.000	1 .57 .10	0 0.000 0.000	0 0.000 0.000	0 0.000 0.000	0 0.000 0.000	1 .57 .16	3.83
ENE	0 0.000 0.000	1 .57 .05	0 0.000 0.000	0 0.000 0.000	0 0.000 0.000	0 0.000 0.000	1 .57 .16	5.70
E	0 0.000 0.000	1 .57 .05	0 0.000 0.000	1 1.15 .10	0 0.000 0.000	0 0.000 0.000	2 1.72 .32	5.50
ESE	0 0.000 0.000	1 .57 .05	0 0.000 0.000	1 .57 .05	0 0.000 0.000	0 0.000 0.000	2 1.15 .10	4.20
SE	0 0.000 0.000	1 .57 .05	0 0.000 0.000	4 2.30 .21	0 0.000 0.000	0 0.000 0.000	5 2.87 .26	4.08
SSE	1 .57 .05	0 0.000 0.000	4 2.30 .21	1 .57 .05	0 0.000 0.000	0 0.000 0.000	6 3.45 .32	3.12
S	0 0.000 0.000	0 0.000 0.000	6 3.45 .32	4 2.30 .21	0 0.000 0.000	0 0.000 0.000	10 5.75 .53	5.17
SSW	0 0.000 0.000	0 0.000 0.000	6 3.45 .32	3 1.72 .16	0 0.000 0.000	1 .57 .05	10 5.75 .53	6.28
SW	0 0.000 0.000	1 .57 .05	2 1.15 .10	9 5.17 .47	3 1.72 .16	0 0.000 0.000	15 8.62 .79	4.78
WSW	1 .57 .05	2 1.15 .10	2 1.15 .10	7 4.02 .36	0 0.000 0.000	0 0.000 0.000	12 6.90 .63	4.64
W	1 .57 .05	0 0.000 0.000	4 2.30 .21	5 2.87 .26	0 0.000 0.000	0 0.000 0.000	10 5.75 .53	3.28
WNW	0 0.000 0.000	1 .57 .05	3 1.72 .16	0 0.000 0.000	0 0.000 0.000	0 0.000 0.000	4 2.30 .21	6.66
NW	0 0.000 0.000	1 .57 .05	0 0.000 0.000	7 4.02 .36	2 1.15 .10	0 0.000 0.000	10 5.75 .53	6.56
NNW	0 0.000 0.000	1 .57 .05	3 1.72 .16	7 4.02 .36	2 1.15 .10	1 .57 .05	14 8.05 .74	6.87
N	0 0.000 0.000	0 0.000 0.000	7 4.02 .37	14 8.05 .74	6 3.45 .32	1 .57 .05	28 16.09 1.48	7.47
CALM	0 0.000 0.000	1 .57 .05	4 2.30 .21	9 5.17 .47	7 4.02 .36	6 3.45 .31	27 15.52 1.42	CALM
TOTAL	0 0.000 0.000	16 9.20 .83	46 26.44 2.40	71 40.80 3.70	25 14.37 1.30	13 7.47 .68	0 0.000 174 100.00 9.07	6.03

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15:09:30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .12 .03	17 2.02 .49	15 1.78 .43	12 1.43 .34	7 .83 .20	6 .71 .17	58 6.89 1.66	5.25
NE	3 .36 .09	17 2.02 .49	7 .83 .20	9 1.07 .26	1 .12 .03	1 .12 .03	38 4.51 1.09	3.87
ENE	2 .24 .06	8 .95 .23	6 .71 .17	5 .59 .14	0 0.000 0.000	1 .12 .03	22 2.61 .63	3.95
E	2 .24 .06	1 .12 .03	6 .71 .17	4 .48 .11	0 0.000 0.000	0 0.000 0.000	13 1.54 .37	3.09
ESE	4 .48 .11	7 .83 .20	1 .12 .03	1 .12 .03	0 0.000 0.000	0 0.000 0.000	13 1.54 .37	3.95
SE	0 0.000 0.000	2 .24 .06	1 .12 .03	4 .48 .11	0 0.000 0.000	0 0.000 0.000	7 .83 .20	3.89
SSE	1 .12 .03	2 .24 .06	2 .24 .06	1 .12 .03	0 0.000 0.000	0 0.000 0.000	6 .71 .17	4.22
S	2 .24 .06	8 .95 .23	2 .24 .06	1 .12 .03	0 0.000 0.000	0 0.000 0.000	13 1.54 .37	5.82
SSW	2 .24 .06	8 .95 .23	1 .12 .03	3 .36 .09	4 .48 .11	0 0.000 0.000	18 2.13 .51	6.16
SW	1 .12 .03	10 1.19 .29	2 .24 .06	3 .36 .09	1 .12 .03	0 0.000 0.000	17 2.02 .49	4.73
WSW	1 .12 .03	1 .12 .03	2 .24 .06	1 .12 .03	0 0.000 0.000	0 0.000 0.000	5 .59 .14	5.81
W	0 0.000 0.000	1 .12 .03	4 .48 .11	5 .59 .14	1 .12 .03	0 0.000 0.000	11 1.30 .31	6.33
WNW	0 0.000 0.000	8 .95 .23	0 0.000 0.000	5 .59 .14	0 0.000 0.000	0 0.000 0.000	13 1.54 .37	5.27
NW	2 .24 .06	4 .48 .11	1 .12 .03	2 .24 .06	0 0.000 0.000	0 0.000 0.000	9 1.07 .26	6.55
NNW	1 .12 .03	1 .12 .03	1 .12 .03	4 .48 .11	1 .12 .03	1 .12 .03	9 1.07 .26	6.35
N	2 .24 .06	1 .12 .03	3 .36 .09	1 .12 .03	4 .48 .11	1 .12 .03	12 1.42 .34	6.17
CALM	0 0.000 0.000	1 .12 .03	4 .48 .11	2 .24 .06	1 .12 .03	1 .12 .03	9 1.07 .26	CALM
TOTAL	0 0.000 0.000	119 14.09 3.43	100 11.84 2.88	98 11.61 2.82	22 2.60 .63	12 1.42 .34	0 0.000 844 100.00 24.31	5.53

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15.09.30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .24	4 .95	5 1.18	0 0.00	0 0.00	0 0.00	10 2.36	2.92
NE	1 .24	3 .71	1 .24	0 0.00	0 0.00	0 0.00	5 1.18	2.14
ENE	1 .24	1 .24	1 .24	0 0.00	0 0.00	0 0.00	3 .71	2.85
E	3 .71	4 .95	13 3.07	0 0.00	0 0.00	0 0.00	20 4.72	4.93
ESE	3 .71	4 .95	10 2.36	0 0.00	0 0.00	0 0.00	17 4.01	4.70
SE	2 .47	4 .95	7 1.65	0 0.00	0 0.00	0 0.00	13 3.07	4.08
SSE	1 .24	4 .95	6 1.42	0 0.00	0 0.00	0 0.00	11 2.60	4.81
S	1 .24	4 .95	6 1.42	0 0.00	0 0.00	0 0.00	11 2.60	4.74
SSW	1 .24	0 0.00	4 .95	6 1.42	4 .95	0 0.00	15 3.55	6.09
SW	2 .47	1 .24	7 1.65	6 1.42	2 .47	0 0.00	18 4.25	5.28
WSW	1 .24	1 .24	4 .95	1 .24	0 0.00	0 0.00	7 1.65	3.92
W	1 .24	1 .24	2 .47	1 .24	0 0.00	0 0.00	5 1.18	3.83
WNW	2 .47	2 .47	9 2.13	2 .47	0 0.00	0 0.00	15 3.55	4.46
NW	1 .24	1 .24	4 .95	2 .47	0 0.00	0 0.00	8 1.89	3.77
NNW	1 .24	1 .24	3 .71	1 .24	0 0.00	0 0.00	6 1.42	3.41
N	2 .47	1 .24	2 .47	2 .47	0 0.00	0 0.00	7 1.65	4.22
CALM	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	CALM
TOTAL	24 5.66	36 8.49	107 25.24	24 5.66	6 1.42	0 0.00	197 46.46	4.32

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15.09.30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .24	3 .71	2 .47	0 0.00	0 0.00	0 0.00	6 1.42	2.66
NE	1 .24	1 .24	0 0.00	0 0.00	0 0.00	0 0.00	2 .47	2.28
ENE	1 .24	1 .24	0 0.00	0 0.00	0 0.00	0 0.00	2 .47	2.84
E	1 .24	1 .24	1 .24	0 0.00	0 0.00	0 0.00	3 .71	3.18
ESE	1 .24	1 .24	2 .47	0 0.00	0 0.00	0 0.00	4 .95	2.90
SE	3 .71	1 .24	1 .24	0 0.00	0 0.00	0 0.00	5 1.18	2.69
SSE	2 .47	3 .71	2 .47	0 0.00	0 0.00	0 0.00	7 1.65	3.57
S	2 .47	4 .95	7 1.65	2 .47	0 0.00	0 0.00	15 3.55	3.43
SSW	2 .47	5 1.18	8 1.89	2 .47	0 0.00	0 0.00	17 4.01	3.74
SW	1 .24	1 .24	1 .24	0 0.00	0 0.00	0 0.00	3 .71	3.57
WSW	1 .24	1 .24	0 0.00	0 0.00	0 0.00	0 0.00	2 .47	2.19
W	1 .24	1 .24	2 .47	0 0.00	0 0.00	0 0.00	4 .95	2.52
WNW	1 .24	1 .24	2 .47	0 0.00	0 0.00	0 0.00	4 .95	2.48
NW	1 .24	2 .47	1 .24	0 0.00	0 0.00	0 0.00	4 .95	2.67
NNW	1 .24	1 .24	1 .24	0 0.00	0 0.00	0 0.00	3 .71	2.72
N	1 .24	1 .24	1 .24	0 0.00	0 0.00	0 0.00	3 .71	3.09
CALM	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	CALM
TOTAL	20 4.95	34 8.42	39 9.65	4 .99	0 0.00	0 0.00	97 24.01	3.12

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-31 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 10 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15 09 30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	3 2.36	4 3.15	0 0.00	0 0.00	0 0.00	7 5.51	2.69
	0.00	16	21	0.00	0.00	0.00	36	
NE	0 0.00	3 2.36	2 1.57	1 .79	0 0.00	0 0.00	6 4.72	3.50
	0.00	16	10	.05	0.00	0.00	31	
ENE	0 0.00	2 1.57	1 .79	0 0.00	0 0.00	0 0.00	3 2.36	2.83
	0.00	10	.05	0.00	0.00	0.00	16	
E	0 0.00	0 0.00	3 3.94	0 0.00	0 0.00	0 0.00	3 3.94	4.10
	0.00	0.00	26	0.00	0.00	0.00	26	
ESE	0 0.00	0 0.00	1 .79	0 0.00	0 0.00	0 0.00	1 .79	4.00
	0.00	0.00	.05	0.00	0.00	0.00	.05	
SE	0 0.00	6 4.72	11 8.66	0 0.00	0 0.00	0 0.00	17 13.39	3.20
	0.00	.42	.78	0.00	0.00	0.00	1.20	
SSE	1 .79	15 10.24	6 4.72	0 0.00	0 0.00	0 0.00	22 17.32	2.87
	.05	.68	.42	0.00	0.00	0.00	1.15	
S	0 0.00	4 3.15	6 4.72	0 0.00	0 0.00	0 0.00	11 8.66	3.24
	0.00	.31	.42	0.00	0.00	0.00	.73	
SSW	0 0.00	1 .79	4 3.15	0 0.00	0 0.00	0 0.00	5 3.94	3.10
	0.00	.10	.31	0.00	0.00	0.00	.42	
SW	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WSW	1 .79	1 .79	0 0.00	0 0.00	0 0.00	0 0.00	2 1.57	1.30
	.05	.05	0.00	0.00	0.00	0.00	.10	
W	2 1.57	4 3.15	2 1.57	0 0.00	0 0.00	0 0.00	8 6.30	2.19
	.10	.21	.10	0.00	0.00	0.00	.42	
WNW	1 .79	5 3.94	0 0.00	0 0.00	0 0.00	0 0.00	6 4.72	1.93
	.05	.26	0.00	0.00	0.00	0.00	.31	
NW	1 .79	7 5.51	1 .79	0 0.00	0 0.00	0 0.00	9 7.09	2.13
	.05	.36	.05	0.00	0.00	0.00	.47	
NNW	2 1.57	3 2.36	1 .79	0 0.00	0 0.00	0 0.00	5 3.94	2.00
	.10	.15	.05	0.00	0.00	0.00	.26	
N	0 0.00	3 2.36	5 3.94	0 0.00	0 0.00	0 0.00	8 6.30	3.15
	0.00	.16	.26	0.00	0.00	0.00	.42	
CALM	0 0.00						0 0.00	CALM
	0.00						0.00	
TOTAL	8 6.30	59 46.46	59 46.46	1 .79	0 0.00	0 0.00	127 100.00	2.88
	.42	3.08	3.08	.05	0.00	0.00	6.62	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 10.00 METERS
TABLE GENERATED: 11/11/81 15 09 30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .10	34 1.77	30 1.56	12 .63	11 .57	8 .42	97 5.06	4.66
NE	4 .21	30 1.56	9 .47	11 .57	1 .05	1 .05	56 2.92	3.47
ENE	2 .10	16 .83	8 .42	4 .21	4 .21	0 0.00	34 1.77	3.78
E	4 .21	15 .78	23 1.20	17 .89	0 0.00	0 0.00	59 3.08	3.96
ESE	2 .10	13 .68	38 1.98	15 .78	0 0.00	0 0.00	68 3.55	4.05
SE	2 .10	33 1.72	61 3.18	6 .31	0 0.00	0 0.00	102 5.32	3.45
SSE	4 .21	35 1.82	87 4.54	33 1.72	3 .16	0 0.00	162 8.45	4.11
S	3 .16	24 1.25	89 4.64	70 3.65	28 1.46	6 .31	220 11.47	5.21
SSW	2 .10	19 .99	82 4.28	75 3.91	25 1.30	7 .36	210 10.95	5.29
SW	2 .10	16 .83	24 1.77	23 1.20	2 .10	3 .16	80 4.17	4.56
WSW	6 .31	11 .57	16 .83	16 .83	4 .21	1 .05	54 2.82	4.39
W	8 .42	21 1.09	24 1.25	7 .36	5 .26	4 .21	69 3.60	3.94
WNW	7 .36	21 1.09	32 1.67	30 1.56	10 .52	0 0.00	100 5.21	4.45
NW	4 .21	47 2.45	44 2.29	58 3.02	19 .99	17 .89	189 9.85	5.41
NNW	6 .31	31 1.62	56 2.92	73 3.81	63 3.28	12 .63	241 12.57	6.00
N	2 .10	25 1.30	59 3.08	33 1.72	39 2.03	19 .99	177 9.23	5.91
CALM	0 0.00						0 0.00	CALM
TOTAL	60 3.13	391 20.39	692 36.08	483 25.18	214 11.16	78 4.07	1918 100.00	4.90

NUMBER OF VALID OBSERVATIONS	1918	85.93 PCT
NUMBER OF INVALID OBSERVATIONS	314	14.07 PCT
TOTAL NUMBER OF OBSERVATIONS	2232	100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-32

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.02.03.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	2 2.90 .10	0 0.00 0.00	0 0.00 0.00	3 4.35 .16	3.93
NE	2 2.90 .10	0 0.00 0.00	1 1.45 .05	3 4.35 .16	1 1.45 .05	0 0.00 0.00	7 10.14 .36	4.57
ENE	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	2 2.90 .10	0 0.00 0.00	0 0.00 0.00	3 4.35 .16	4.80
E	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	6.20
ESE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	7.10
SE	1 1.45 .05	2 2.90 .10	2 2.90 .10	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	6 8.70 .31	3.28
SSE	0 0.00 0.00	1 1.45 .05	1 1.45 .05	3 4.35 .16	1 1.45 .05	0 0.00 0.00	6 8.70 .31	5.93
S	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 4.35 .16	3 4.35 .16	6 8.70 .31	10.13
SSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	1 1.45 .05	11.50
SW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	1 1.45 .05	9.50
WSW	1 1.45 .05	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	3 4.35 .16	4.33
W	0 0.00 0.00	1 1.45 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	1.90
WNW	2 2.90 .10	0 0.00 0.00	2 2.90 .10	2 2.90 .10	2 2.90 .10	0 0.00 0.00	8 11.59 .41	8.10
NW	0 0.00 0.00	1 1.45 .05	1 1.45 .05	1 1.45 .05	2 2.90 .10	1 1.45 .05	6 8.70 .31	6.95
NNW	0 0.00 0.00	0 0.00 0.00	1 1.45 .05	4 5.80 .21	2 2.90 .10	1 1.45 .05	8 11.59 .41	8.22
N	1 1.45 .05	1 1.45 .05	0 0.00 0.00	1 1.45 .05	2 2.90 .10	5 7.25 .26	10 14.49 .52	8.79
CALM	1 1.45 .05						1 1.45 .05	CALM
TOTAL	7 10.14 .36	8 11.59 .41	6 8.70 .31	19 27.54 .98	17 24.64 .88	12 17.39 .62	69 100.00 3.58	6.66

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.02.03.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 1.01 .05	0 0.00 0.00	5 5.05 .26	2 2.02 .10	1 1.01 .05	9 9.09 .47	7.18
NE	0 0.00 0.00	1 1.01 .05	3 3.03 .16	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 4.04 .21	3.42
ENE	0 0.00 0.00	4 4.04 .21	13 13.13 .67	9 9.09 .47	0 0.00 0.00	0 0.00 0.00	26 26.26 1.35	4.52
E	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	1 1.01 .05	0 0.00 0.00	0 0.00 0.00	2 2.02 .10	5.25
ESE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.03 .16	0 0.00 0.00	0 0.00 0.00	3 3.03 .16	6.13
SE	0 0.00 0.00	2 2.02 .10	2 2.02 .10	1 1.01 .05	0 0.00 0.00	0 0.00 0.00	5 5.05 .26	4.00
SSE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	5.40
S	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	0 0.00 0.00	1 1.01 .05	0 0.00 0.00	2 2.02 .10	6.00
SSW	1 1.01 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	1.40
SW	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	2 2.02 .10	3 3.03 .16	0 0.00 0.00	6 6.06 .31	7.03
WSW	0 0.00 0.00	1 1.01 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	1.90
W	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	3 3.03 .16	0 0.00 0.00	0 0.00 0.00	4 4.04 .21	5.97
WNW	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	3 3.03 .16	1 1.01 .05	0 0.00 0.00	5 5.05 .26	5.80
NW	0 0.00 0.00	0 0.00 0.00	2 2.02 .10	4 4.04 .21	0 0.00 0.00	2 2.02 .10	8 8.08 .41	8.01
NNW	0 0.00 0.00	0 0.00 0.00	1 1.01 .05	4 4.04 .21	6 6.06 .31	3 3.03 .16	14 14.14 .73	8.41
N	0 0.00 0.00	3 3.03 .16	1 1.01 .05	1 1.01 .05	1 1.01 .05	2 2.02 .10	8 8.08 .41	5.97
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	1 1.01 .05	12 12.12 .62	27 27.27 1.40	37 37.37 1.92	14 14.14 .73	8 8.08 .41	99 100.00 5.13	5.96

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.02.03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	5	4	4	14	9.11
	0.00	0.00	.73	3.65	2.92	2.92	10.22	
	0.00	0.00	.05	.26	.21	.21	.73	
NE	0	4	9	0	0	0	13	3.69
	0.00	1.46	3.65	0.00	0.00	0.00	5.11	
	0.00	.10	.26	0.00	0.00	0.00	.36	
ENE	1	1	0	0	0	0	2	2.75
	.73	.73	0.00	0.00	0.00	0.00	1.46	
	.05	.05	0.00	0.00	0.00	0.00	.10	
E	0	1	2	0	0	0	3	5.43
	0.00	.73	1.46	0.00	0.00	0.00	2.19	
	0.00	.05	.10	0.00	0.00	0.00	.16	
ESE	0	0	2	0	0	0	2	5.60
	0.00	0.00	1.46	0.00	0.00	0.00	1.46	
	0.00	0.00	.10	0.00	0.00	0.00	.10	
SE	0	0	2	1	0	0	3	5.60
	0.00	0.00	1.46	.73	0.00	0.00	2.19	
	0.00	0.00	.10	.05	0.00	0.00	.16	
SSE	1	0	1	2	0	0	4	5.67
	.73	0.00	.73	1.46	0.00	0.00	2.92	
	.05	0.00	.05	.10	0.00	0.00	.21	
S	0	0	0	3	1	0	4	7.50
	0.00	0.00	0.00	2.19	.73	0.00	2.92	
	0.00	0.00	0.00	.16	.05	0.00	.21	
SSW	0	0	2	6	5	4	17	8.43
	0.00	0.00	1.46	4.38	3.65	2.92	12.41	
	0.00	0.00	.10	.31	.26	.21	.88	
SW	0	0	0	3	1	0	4	6.45
	0.00	0.00	0.00	2.19	.73	0.00	2.92	
	0.00	0.00	0.00	.16	.05	0.00	.21	
WSW	1	0	0	2	0	0	3	4.80
	.73	0.00	0.00	1.46	0.00	0.00	2.19	
	.05	0.00	0.00	.10	0.00	0.00	.16	
W	1	2	1	1	1	0	6	3.61
	.73	1.46	.73	.73	.73	0.00	4.38	
	.05	.10	.05	.05	.05	0.00	.31	
WNW	0	2	3	1	2	0	8	6.29
	0.00	1.46	2.19	.73	1.46	0.00	5.84	
	0.00	.10	.16	.05	.10	0.00	.41	
NW	1	1	3	6	3	0	14	8.83
	.73	.73	2.19	4.38	2.19	0.00	10.22	
	.05	.05	.16	.31	.16	0.00	.73	
NNW	0	0	1	3	2	0	6	7.94
	0.00	0.00	.73	2.19	1.46	0.00	4.38	
	0.00	0.00	.05	.16	.10	0.00	.31	
N	0	0	1	3	2	0	6	7.92
	0.00	0.00	.73	2.19	1.46	0.00	4.38	
	0.00	0.00	.05	.16	.10	0.00	.31	
CALM	1						1	CALM
	.73						.73	
	.05						.05	
TOTAL	7	13	20	45	32	24	137	7.06
	2.19	9.49	14.60	32.85	23.36	17.52	100.00	
	.16	.67	1.04	2.33	1.66	1.24	7.10	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.02.03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4	15	39	28	17	103		7.36
	0.00	.54	2.04	5.30	3.80	2.31	13.99	
	0.00	.21	.78	2.02	1.45	.88	5.34	
NE	1	8	11	9	5	0	34	5.10
	.14	.82	1.49	1.22	.68	0.00	4.35	
	.05	.31	.57	.47	.26	0.00	1.66	
ENE	0	10	9	14	8	0	41	4.83
	0.00	1.37	1.22	1.90	.68	0.00	5.57	
	0.00	.67	.47	.73	.26	0.00	2.13	
E	4	11	15	8	0	0	38	5.48
	.54	1.49	1.63	1.09	0.00	0.00	4.76	
	.21	.57	.62	.41	0.00	0.00	1.81	
ESE	2	9	4	1	0	0	18	4.32
	.27	1.22	.54	.13	0.00	0.00	2.45	
	.10	.47	.21	.05	0.00	0.00	.93	
SE	0	4	5	5	1	0	15	6.50
	0.00	0.00	.54	.68	0.00	0.00	1.49	
	0.00	0.00	.21	.26	0.00	0.00	.57	
SSE	1	1	5	10	3	0	27	7.12
	.14	.14	.68	.95	.41	0.00	2.67	
	.05	.05	.26	.36	.16	0.00	1.40	
S	2	7	9	11	5	0	34	9.22
	.27	.95	1.22	1.49	.68	0.00	4.62	
	.10	.36	.47	.57	.26	0.00	1.77	
SSW	0	10	15	18	11	6	60	7.82
	0.00	1.36	2.04	2.45	1.49	.82	8.16	
	0.00	.52	.78	.93	.57	.31	3.11	
SW	0	5	15	10	7	3	40	5.37
	0.00	.68	2.04	1.36	.95	.41	5.44	
	0.00	.26	.78	.52	.36	.16	2.08	
WSW	2	7	8	11	4	0	32	4.63
	.27	.95	1.09	1.49	.54	0.00	4.35	
	.10	.36	.41	.57	.21	0.00	1.66	
W	1	4	4	8	1	0	18	5.58
	.14	.54	.54	1.09	.14	0.00	2.45	
	.05	.21	.21	.41	.05	0.00	.93	
WNW	0	5	7	7	2	0	21	6.11
	0.00	.68	.95	.95	.27	0.00	2.86	
	0.00	.26	.36	.36	.10	0.00	1.09	
NW	0	6	8	9	3	0	26	8.29
	0.00	.82	1.09	1.22	.41	0.00	3.54	
	0.00	.31	.41	.47	.16	0.00	1.35	
NNW	1	2	8	5	2	0	18	8.04
	.14	.27	1.09	.68	.27	0.00	2.45	
	.05	.10	.41	.26	.10	0.00	.93	
N	0	2	4	5	2	0	13	7.61
	0.00	.27	.54	.68	.27	0.00	1.77	
	0.00	.10	.21	.26	.10	0.00	.67	
CALM	0	0	0	0	0	0	0	CALM
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	18	82	141	222	174	130	736	7.09
	2.45	11.14	19.16	30.16	23.64	17.66	100.00	
	.95	4.29	7.31	11.50	9.02	6.74	38.13	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.02.03.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7499-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	2	7	10	1	2	22	5.83
	0.00	4.22	1.48	2.11	.21	.42	4.64	
	0.00	.10	.36	.52	.05	.10	1.14	
NE	0	2	10	2	0	0	16	5.78
	0.00	4.22	2.11	4.22	0.00	0.00	3.38	
	0.00	.10	.52	.10	0.00	0.00	.83	
ENE	0	0	4	2	0	0	6	5.56
	0.00	0.00	1.03	1.03	0.00	0.00	2.52	
	0.00	0.00	.26	.10	0.00	0.00	.62	
E	0	0	0	16	7	1	24	7.25
	0.00	0.00	0.00	3.38	1.48	.21	5.06	
	0.00	0.00	0.00	.83	.36	.05	1.24	
ESE	0	0	4	7	13	3	27	7.57
	0.00	0.00	.84	1.48	1.90	.63	4.85	
	0.00	0.00	.21	.36	.47	.16	1.19	
SE	0	1	1	5	7	1	15	7.28
	0.00	.21	.21	1.05	1.48	.21	3.16	
	0.00	.05	.05	.26	.36	.05	.78	
SSE	0	1	2	4	10	10	27	9.68
	0.00	.21	.42	.42	2.74	4.01	7.81	
	0.00	.05	.10	.10	.67	.98	1.92	
S	0	5	6	14	22	25	72	8.72
	0.00	1.05	1.27	2.95	4.64	5.27	15.19	
	0.00	.26	.31	.73	1.14	1.30	3.73	
SSW	0	2	10	20	24	29	85	8.68
	0.00	.42	2.11	4.85	5.49	5.06	17.93	
	0.00	.10	.52	1.19	1.35	1.24	4.40	
SW	0	1	3	11	3	1	19	6.36
	0.00	.21	.63	2.32	.63	.21	4.01	
	0.00	.05	.16	.57	.16	.05	.98	
WSW	0	2	5	4	0	0	13	6.27
	0.00	.42	1.05	.84	0.00	0.00	2.74	
	0.00	.10	.26	.21	0.00	0.00	.67	
W	0	1	9	4	3	4	22	6.18
	0.00	.21	1.90	1.27	.84	.63	4.85	
	0.00	.05	.47	.31	.21	.16	1.19	
WNW	0	1	5	8	14	0	28	6.98
	0.00	.21	1.05	1.69	2.95	0.00	5.91	
	0.00	.05	.26	.41	.73	0.00	1.45	
NW	0	0	8	16	17	1	42	6.93
	0.00	0.00	1.69	3.38	3.59	.21	8.86	
	0.00	0.00	.41	.83	.88	.05	2.18	
NNW	0	1	2	10	6	1	20	6.95
	0.00	.21	.42	2.11	1.27	.21	4.22	
	0.00	.05	.10	.52	.31	.05	1.04	
N	0	1	6	6	7	3	23	6.93
	0.00	.21	1.27	1.27	1.48	.63	4.85	
	0.00	.05	.31	.31	.36	.16	1.19	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	20	72	154	144	84	474	7.59
	0.00	4.22	15.19	32.49	30.38	17.72	100.00	
	0.00	1.04	3.73	7.98	7.46	4.35	24.56	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.02.03.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	2	7	1	0	10	6.42
	0.00	0.00	.74	2.58	.37	0.00	3.69	
	0.00	0.00	.10	.36	.05	0.00	.52	
NE	2	1	0	0	0	0	3	2.65
	.74	.37	1.11	0.00	0.00	0.00	2.21	
	.10	.05	.16	0.00	0.00	0.00	.31	
ENE	1	1	0	2	0	0	4	5.22
	.37	.37	0.00	1.85	.74	0.00	3.28	
	.05	.05	0.00	.26	.10	0.00	.47	
E	0	0	1	4	0	0	5	6.08
	0.00	0.00	.37	1.48	0.00	0.00	1.85	
	0.00	0.00	.05	.21	0.00	0.00	.26	
ESE	2	0	0	6	1	1	14	7.14
	.74	0.00	2.21	1.85	.37	.37	5.17	
	.10	0.00	.31	.26	.05	.05	.72	
SE	0	0	1	4	1	0	6	6.13
	0.00	0.00	.37	1.48	0.00	.37	2.21	
	0.00	0.00	.05	.21	0.00	.05	.31	
SSE	0	1	2	1	7	0	11	6.90
	0.00	.37	.74	.37	2.58	0.00	4.06	
	0.00	.05	.10	.05	.36	0.00	.57	
S	0	0	3	7	8	1	19	7.18
	0.00	0.00	1.11	2.58	2.95	.37	7.01	
	0.00	0.00	.16	.36	.41	.05	.98	
SSW	0	1	3	18	12	3	42	7.27
	0.00	.37	1.11	6.64	4.43	1.11	15.50	
	0.00	.05	.16	.93	.62	.16	2.18	
SW	0	1	2	15	14	0	32	7.09
	0.00	.37	.74	5.54	5.17	0.00	11.81	
	0.00	.05	.10	.78	.73	0.00	1.66	
WSW	0	4	7	14	14	0	39	5.41
	0.00	1.48	2.58	5.17	1.48	0.00	10.70	
	0.00	.21	.36	.73	.21	0.00	1.50	
W	0	0	6	8	4	1	19	6.26
	0.00	0.00	2.21	2.95	1.48	.37	7.01	
	0.00	0.00	.31	.41	.21	.05	.98	
WNW	0	0	3	12	4	0	19	6.70
	0.00	0.00	1.11	4.43	1.48	0.00	7.01	
	0.00	0.00	.16	.62	.21	0.00	.98	
NW	0	0	4	11	5	0	20	6.54
	0.00	0.00	1.48	4.06	1.85	0.00	7.38	
	0.00	0.00	.21	.57	.26	0.00	1.04	
NNW	0	0	0	4	1	2	7	7.14
	0.00	0.00	0.00	4.06	1.85	.37	6.27	
	0.00	0.00	0.00	.57	.26	.05	.88	
N	0	0	3	5	3	2	13	6.72
	0.00	0.00	1.11	1.85	1.11	.74	4.80	
	0.00	0.00	.16	.26	.16	.10	.67	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	11	40	128	79	10	271	6.57
	1.11	4.06	14.76	47.23	29.15	3.69	100.00	
	.16	.57	2.07	6.63	4.09	.52	14.04	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.02.03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	2 1.39 10	0 0.00 0	2 1.39 10	1 .69 05	0 0.00 0	5 3.47 22	5.72
NE	0 0.00	1 .69 05	1 .69 05	0 0.00 0	0 0.00 0	0 0.00 0	2 1.39 10	2.60
ENE	0 0.00	1 .69 05	1 .69 05	0 0.00 0	0 0.00 0	0 0.00 0	2 1.39 10	4.12
E	0 0.00	1 .69 05	2 1.39 10	1 .69 05	0 0.00 0	0 0.00 0	4 2.78 19	5.50
ESE	0 0.00	1 .69 05	2 1.39 10	5 3.47 26	1 .69 05	0 0.00 0	9 6.25 47	3.87
SE	0 0.00	4 2.78 21	5 3.47 26	1 .69 05	0 0.00 0	0 0.00 0	10 6.94 52	5.02
SSE	1 .69 05	1 .69 05	3 2.08 16	3 2.08 16	2 1.39 10	0 0.00 0	10 6.94 52	5.77
S	2 1.39 10	0 0.00 0	8 5.56 41	4 2.78 21	3 2.08 16	2 1.39 10	19 13.19 98	5.86
SSW	0 0.00	0 0.00 0	2 1.39 10	11 7.64 57	0 0.00 0	0 0.00 0	13 9.03 67	7.17
SW	1 .69 05	0 0.00 0	3 2.08 16	8 5.56 41	12 8.33 62	0 0.00 0	24 16.67 124	6.00
WSW	0 0.00	1 .69 05	2 1.39 10	4 2.78 21	3 2.08 16	0 0.00 0	10 6.94 52	5.38
W	0 0.00	1 .69 05	3 2.08 16	5 3.47 26	0 0.00 0	0 0.00 0	9 6.25 47	4.97
WNW	0 0.00	0 0.00 0	3 2.08 16	3 2.08 16	0 0.00 0	0 0.00 0	6 4.17 31	4.56
NW	0 0.00	1 .69 05	4 2.78 21	2 1.39 10	0 0.00 0	0 0.00 0	7 4.86 36	6.40
NNW	0 0.00	0 0.00 0	2 1.39 10	2 1.39 10	3 2.08 16	0 0.00 0	7 4.86 36	6.03
N	1 .69 05	0 0.00 0	0 0.00 0	3 2.08 16	2 1.39 10	0 0.00 0	6 4.17 31	6.15
CALM	0 0.00	0 0.00	0 0.00	2 1.39 10	0 0.00	0 0.00	2 1.39 10	CALM
TOTAL	0 0.00 5 3.47 26	13 9.03 67	40 27.78 2.07	57 39.58 2.95	27 18.75 1.40	2 1.39 10	0 0.00 144 100.00 7.46	5.66

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JANUARY COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.02.03

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .05	9 .47	25 1.30	70 3.63	37 1.92	24 1.24	166 8.60	7.04
NE	5 .26	13 .67	26 1.35	22 1.14	8 .41	0 0.00	74 3.83	4.71
ENE	1 .05	21 1.09	30 1.55	37 1.92	9 .47	0 0.00	98 5.08	4.79
E	0 0.00	5 .26	16 .83	41 2.12	16 .83	1 .05	79 4.09	6.07
ESE	2 .10	8 .41	18 .93	24 1.24	15 .78	4 .21	71 3.68	6.02
SE	2 .10	7 .36	13 .67	16 .83	15 .78	2 .10	55 2.85	5.79
SSE	4 .21	4 .21	19 .98	18 .93	36 1.87	24 1.24	105 5.44	7.62
S	0 0.00	7 .36	17 .88	50 2.59	47 2.44	58 3.01	179 9.27	8.51
SSW	2 .10	6 .31	30 1.55	70 3.63	74 3.83	47 2.44	229 11.87	8.01
SW	2 .10	10 .52	14 .73	45 2.33	28 1.45	4 .21	103 5.34	6.33
WSW	3 .16	16 .83	16 .83	35 1.81	11 .57	0 0.00	81 4.20	5.22
W	0 0.00	12 .62	34 1.76	42 2.18	16 .83	4 .21	108 5.60	5.59
WNW	0 0.00	7 .36	22 1.14	39 2.02	30 1.55	24 1.24	122 6.32	7.27
NW	0 0.00	3 .16	29 1.50	51 2.64	55 2.85	22 1.14	160 8.29	7.55
NNW	1 .05	3 .16	13 .67	47 2.44	36 1.87	22 1.14	122 6.32	7.77
N	1 .05	8 .41	24 1.24	55 2.85	54 2.80	34 1.76	176 9.12	7.51
CALM	2 .10						2 .10	CALM
TOTAL	26 1.35	139 7.20	346 17.93	662 34.30	487 25.23	270 13.99	1930 100.00	6.95

NUMBER OF VALID OBSERVATIONS 1930 86.47 PCT
NUMBER OF INVALID OBSERVATIONS 302 13.53 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81. 15.33.48.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 1.05 06	1 1.05 06	4 4.21 25	3 3.16 19	4 4.21 25	13 13.68 80	8.15
NE	0 0.00 0.00	2 2.11 12	1 1.05 06	0 0.00 0.00	1 1.05 06	1 1.05 06	5 5.26 31	5.60
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	0 0.00 0.00	1 1.05 06	1 1.05 06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.11 12	2.95
ESE	1 1.05 06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.05 06	1.40
SE	0 0.00 0.00	1 1.05 06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.05 06	2.00
SSE	0 0.00 0.00	1 1.05 06	1 1.05 06	3 3.16 19	0 0.00 0.00	0 0.00 0.00	5 5.26 31	5.08
S	0 0.00 0.00	1 1.05 06	2 2.11 12	2 2.11 12	0 0.00 0.00	0 0.00 0.00	5 5.26 31	4.72
SSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.05 06	5 5.26 31	6 6.32 37	11.68
SW	0 0.00 0.00	6 6.32 37	0 0.00 0.00	0 0.00 0.00	1 1.05 06	0 0.00 0.00	7 7.37 43	3.01
WSW	0 0.00 0.00	2 2.11 12	0 0.00 0.00	0 0.00 0.00	1 1.05 06	2 2.11 12	5 5.26 31	7.24
W	1 1.05 06	0 0.00 0.00	1 1.05 06	0 0.00 0.00	0 0.00 0.00	1 1.05 06	3 3.16 19	4.80
WNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.11 12	0 0.00 0.00	0 0.00 0.00	2 2.11 12	7.20
NW	0 0.00 0.00	0 0.00 0.00	1 1.05 06	4 4.21 25	1 1.05 06	0 0.00 0.00	6 6.32 37	6.25
NNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.16 19	8 8.42 50	11 11.58 68	22 23.16 1.36	9.90
N	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5 5.26 31	2 2.11 12	5 5.26 31	12 12.63 74	9.33
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	2 2.11 12	15 15.79 93	8 8.42 50	24 25.21 1.42	18 18.95 1.11	29 30.53 1.79	95 100.00 5.88	7.53

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81. 15.33.48.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	2 2.17 12	0 0.00 0.00	4 4.35 25	5 5.43 31	11 11.96 68	9.70
NE	0 0.00 0.00	1 1.09 06	2 2.17 12	0 0.00 0.00	1 1.09 06	0 0.00 0.00	4 4.35 25	4.85
ENE	0 0.00 0.00	0 0.00 0.00	1 1.09 06	1 1.09 06	0 0.00 0.00	0 0.00 0.00	2 2.17 12	4.35
E	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
ESE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.09 06	0 0.00 0.00	0 0.00 0.00	1 1.09 06	6.70
SE	0 0.00 0.00	1 1.09 06	1 1.09 06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.17 12	3.60
SSE	1 1.09 06	0 0.00 0.00	1 1.09 06	1 1.09 06	0 0.00 0.00	0 0.00 0.00	3 3.26 19	4.10
S	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.09 06	4 4.35 25	0 0.00 0.00	5 5.43 31	8.98
SSW	0 0.00 0.00	0 0.00 0.00	2 2.17 12	0 0.00 0.00	3 3.26 19	1 1.09 06	6 6.52 37	7.70
SW	0 0.00 0.00	0 0.00 0.00	4 4.35 25	2 2.17 12	4 4.35 25	1 1.09 06	11 11.96 68	7.17
WSW	0 0.00 0.00	1 1.09 06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.09 06	2 2.17 12	6.85
W	1 1.09 06	1 1.09 06	5 5.43 31	2 2.17 12	0 0.00 0.00	0 0.00 0.00	9 9.78 56	4.19
WNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.17 12	0 0.00 0.00	0 0.00 0.00	2 2.17 12	6.40
NW	0 0.00 0.00	1 1.09 06	1 1.09 06	3 3.26 19	1 1.09 06	0 0.00 0.00	6 6.52 37	5.62
NNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.09 06	7 7.61 43	1 1.09 06	9 9.78 56	8.91
N	0 0.00 0.00	0 0.00 0.00	3 3.26 19	3 3.26 19	8 8.70 50	5 5.43 31	19 20.65 1.18	8.62
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	2 2.17 12	5 5.43 31	22 23.91 1.36	17 18.48 1.05	32 34.78 1.98	14 15.22 87	92 100.00 5.69	7.31

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:33:48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	1	2	1	5	8.44
	0.00	0.00	.92	.92	1.83	.92	4.59	
	0.00	0.00	.06	.06	.12	.06	.31	
NE	0	0	2	0	2	0	4	6.62
	0.00	0.00	1.83	0.00	1.83	0.00	3.67	
	0.00	0.00	.12	0.00	.12	0.00	.25	
ENE	0	0	1	0	1	0	2	7.83
	0.00	0.00	.92	0.00	.92	0.00	1.83	
	0.00	0.00	.06	0.00	.06	0.00	.12	
E	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	0	0	1	0	0	0	1	3.30
	0.00	0.00	.92	0.00	0.00	0.00	.92	
	0.00	0.00	.06	0.00	0.00	0.00	.06	
SE	0	0	2	0	0	0	2	5.95
	0.00	0.00	1.83	0.00	0.00	0.00	1.83	
	0.00	0.00	.12	0.00	0.00	0.00	.12	
SSE	0	0	0	1	0	0	1	5.50
	0.00	0.00	0.00	.92	0.00	0.00	.92	
	0.00	0.00	0.00	.06	0.00	0.00	.06	
S	0	0	4	4	3	0	11	6.71
	0.00	0.00	3.67	3.67	2.75	0.00	10.09	
	0.00	0.00	.25	.25	.18	0.00	.74	
SSW	0	0	0	4	4	0	8	9.02
	0.00	0.00	0.00	3.67	3.67	1.83	7.34	
	0.00	0.00	0.00	.25	.25	.12	.50	
SW	0	0	0	2	2	1	5	7.34
	0.00	0.00	4.59	0.00	1.83	1.83	8.26	
	0.00	0.00	.31	0.00	.12	.12	.56	
WSW	0	1	3	1	1	0	6	4.83
	0.00	.92	2.75	.92	.92	0.00	5.50	
	0.00	.06	.19	.06	.06	0.00	.37	
W	0	2	3	4	0	0	9	4.49
	0.00	1.83	2.75	4.59	0.00	0.00	8.26	
	0.00	.12	.19	.31	0.00	0.00	.56	
WNW	0	0	0	0	0	1	1	10.30
	0.00	0.00	0.00	0.00	0.00	.92	.92	
	0.00	0.00	0.00	0.00	0.00	.06	.06	
NW	0	2	0	5	2	0	9	6.15
	0.00	1.83	0.00	4.59	1.83	0.00	8.26	
	0.00	.12	0.00	.31	.12	0.00	.56	
NNW	0	1	1	7	5	4	18	8.45
	0.00	.92	.92	6.42	4.59	3.67	16.51	
	0.00	.06	.06	.43	.31	.25	1.11	
N	0	0	0	4	4	3	11	7.42
	0.00	0.00	0.00	6.42	4.59	3.67	18.35	
	0.00	0.00	0.00	.43	.31	.25	1.24	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	5	27	33	28	16	109	7.10
	0.00	4.59	24.77	30.28	25.69	14.68	100.00	
	0.00	.31	1.67	2.04	1.73	.99	6.75	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:33:48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	6	10	20	5	7	48	6.54	
	0.00	89	1.48	2.96	.74	1.04	7.11	
	0.00	.37	.62	1.24	.31	.43	2.97	
NE	9	19	18	11	7	64	5.90	
	0.00	1.33	2.81	2.67	1.63	1.04	9.48	
	0.00	.56	1.18	1.11	.68	.43	3.96	
ENE	3	10	10	10	3	39	6.49	
	0.00	.44	1.48	1.93	1.48	.44	5.78	
	0.00	.19	.62	.80	.62	.19	2.41	
E	3	8	13	9	4	2	39	5.62
	0.00	.30	1.04	1.93	.44	0.00	3.70	
	0.00	.12	.43	.80	.19	0.00	1.55	
ESE	0	0	8	18	4	0	30	5.91
	0.00	0.00	1.19	2.67	.59	0.00	4.44	
	0.00	0.00	.50	1.11	.25	0.00	1.86	
SE	2	5	9	11	0	0	27	4.68
	0.00	.74	1.33	1.63	0.00	0.00	3.94	
	0.00	.31	.50	.68	0.00	0.00	1.49	
SSE	0	2	5	7	5	0	19	5.90
	0.00	.30	.74	1.04	.74	0.00	2.81	
	0.00	.12	.31	.43	.31	0.00	1.18	
S	8	8	23	7	7	61	7.37	
	.15	0.00	1.19	3.41	3.26	1.04	9.04	
	.06	0.00	.50	1.42	1.36	.43	3.77	
SSW	0	1	2	4	12	7	26	8.70
	0.00	.15	.30	.59	1.78	1.04	3.85	
	0.00	.06	.12	.25	.74	.43	1.61	
SW	0	0	6	2	5	2	15	8.41
	0.00	0.00	.30	.89	.30	.74	2.22	
	0.00	0.00	.12	.37	.12	.31	.93	
WSW	1	1	2	4	1	7	16	7.90
	.15	.15	.30	.59	.15	1.04	2.37	
	.06	.06	.12	.25	.06	.43	.99	
W	2	1	4	3	1	3	14	5.94
	.30	0.00	.89	.30	.15	.44	2.07	
	.12	0.00	.37	.12	.06	.19	.87	
WNW	0	7	4	3	6	1	21	5.32
	0.00	1.04	.59	.44	.89	.15	3.11	
	0.00	.43	.25	.19	.37	.06	1.30	
NW	0	1	8	11	3	4	27	9.47
	0.00	.30	1.19	1.63	.44	.59	4.03	
	0.00	.12	.50	.68	.19	.25	1.68	
NNW	0	6	12	19	13	4	54	9.31
	0.00	.89	1.78	2.81	1.93	.59	8.00	
	0.00	.37	.74	1.18	.80	.25	3.35	
N	0	0	19	41	28	13	101	8.91
	0.00	.44	2.81	6.07	3.85	1.93	14.96	
	0.00	.19	1.16	2.54	1.61	.80	6.30	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	47	130	203	132	159	675	7.55	
	6.96	19.26	30.07	19.56	23.56	100.00		
	2.91	8.04	12.56	8.17	9.84	41.77		

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:33:48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	4	9	0	1	15	5.60
	0.00	33	1.32	2.96	0.00	.33	4.93	
	0.00	.06	.25	.56	0.00	.06	.93	
NE	1	5	2	2	1	0	11	3.90
	.33	1.64	.66	.66	.33	0.00	3.62	
	.06	.31	.13	.13	.06	0.00	.68	
ENE	1	1	5	3	1	0	11	4.55
	.33	.33	1.64	1.64	0.00	0.00	3.62	
	.06	.06	.31	.31	0.00	0.00	.68	
E	0	0	1	4	4	0	15	6.55
	0.00	0.00	.33	1.32	1.32	0.00	4.93	
	0.00	0.00	.06	.25	.25	0.00	.93	
ESE	0	0	1	2	4	0	7	6.61
	0.00	0.00	.33	.66	1.32	0.00	2.31	
	0.00	0.00	.06	.13	.25	0.00	.44	
SE	0	0	2	3	0	0	5	5.20
	0.00	0.00	.66	.99	0.00	0.00	1.65	
	0.00	0.00	.13	.19	0.00	0.00	.31	
SSE	0	1	4	2	2	1	10	6.91
	0.00	.33	1.32	.66	.66	.33	3.31	
	0.00	.06	.25	.13	.13	.06	.63	
S	1	3	9	3	4	0	20	8.35
	.33	.99	2.97	.99	1.32	0.00	6.62	
	.06	.19	.56	.19	.25	0.00	1.25	
SSW	0	0	3	6	1	0	10	6.49
	0.00	0.00	.99	1.97	.33	0.00	3.31	
	0.00	0.00	.19	.37	.06	0.00	.63	
SW	0	1	4	7	0	0	12	6.35
	0.00	.33	1.32	2.30	0.00	0.00	3.97	
	0.00	.06	.25	.44	0.00	0.00	.75	
WSW	0	0	2	3	0	0	5	6.51
	0.00	0.00	.66	.99	0.00	0.00	1.65	
	0.00	0.00	.13	.19	0.00	0.00	.31	
W	0	0	3	6	2	0	11	7.00
	0.00	0.00	.99	1.97	.66	0.00	3.62	
	0.00	0.00	.19	.37	.13	0.00	.68	
WNW	0	0	3	3	0	0	6	5.01
	0.00	0.00	.99	.99	0.00	0.00	1.97	
	0.00	0.00	.19	.19	0.00	0.00	.38	
NW	1	0	4	2	1	0	8	5.58
	.33	0.00	1.32	.66	.33	0.00	2.64	
	.06	0.00	.25	.13	.06	0.00	.50	
NNW	0	0	7	7	2	0	16	6.99
	0.00	0.00	2.30	2.30	.66	0.00	5.28	
	0.00	0.00	.43	.43	.13	0.00	1.00	
N	1	0	4	5	1	0	11	7.86
	.33	0.00	1.32	1.65	.33	0.00	3.62	
	.06	0.00	.25	.31	.06	0.00	.68	
CALM	1						1	CALM
	.33						.33	
	.06						.06	
TOTAL	5	13	57	115	81	31	304	6.73
	1.64	4.93	18.75	37.83	26.64	10.20	100.00	
	.31	.93	3.53	7.12	5.01	1.92	18.81	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:33:48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	9	1	0	0	10	4.47
	0.00	0.00	4.13	.46	0.00	0.00	4.61	
	0.00	0.00	.56	.06	0.00	0.00	.62	
NE	0	1	1	1	0	0	3	3.83
	0.00	.46	.46	.46	0.00	0.00	1.38	
	0.00	.06	.06	.06	0.00	0.00	.19	
ENE	0	0	1	0	0	0	1	4.70
	0.00	0.00	.46	0.00	0.00	0.00	.46	
	0.00	0.00	.06	0.00	0.00	0.00	.06	
E	1	0	3	7	0	0	11	6.75
	.46	0.00	1.38	3.23	0.00	0.00	5.07	
	.06	0.00	.19	.44	0.00	0.00	.69	
ESE	0	1	0	1	0	0	2	5.87
	0.00	.46	0.00	.46	0.00	0.00	.92	
	0.00	.06	0.00	.06	0.00	0.00	.13	
SE	1	1	3	3	2	0	10	5.47
	.46	.46	1.38	1.38	.92	0.00	4.61	
	.06	.06	.19	.19	.13	0.00	.63	
SSE	1	0	1	2	1	0	5	8.54
	.46	0.00	0.00	.92	.46	0.00	2.30	
	.06	0.00	0.00	.13	.06	0.00	.31	
S	0	1	2	4	2	0	9	8.22
	0.00	.46	.92	1.84	.92	0.00	4.15	
	0.00	.06	.13	.25	.13	0.00	.56	
SSW	0	0	2	3	1	0	6	7.34
	0.00	0.00	.92	1.38	.46	0.00	2.76	
	0.00	0.00	.13	.19	.06	0.00	.38	
SW	0	1	4	6	1	0	12	6.78
	0.00	.46	1.84	2.76	.46	0.00	5.53	
	0.00	.06	.25	.38	.06	0.00	.75	
WSW	1	0	1	2	0	0	4	3.98
	.46	0.00	.46	.92	0.00	0.00	1.84	
	.06	0.00	.06	.13	0.00	0.00	.25	
W	0	1	2	3	1	0	7	6.09
	0.00	.46	.92	1.38	.46	0.00	3.23	
	0.00	.06	.13	.19	.06	0.00	.44	
WNW	0	1	2	4	1	0	8	6.20
	0.00	.46	.92	1.84	.46	0.00	3.69	
	0.00	.06	.13	.25	.06	0.00	.50	
NW	0	0	1	3	0	0	4	6.88
	0.00	0.00	.46	1.38	0.00	0.00	1.84	
	0.00	0.00	.06	.19	0.00	0.00	.25	
NNW	0	0	2	3	0	0	5	6.59
	0.00	0.00	.92	1.38	0.00	0.00	2.30	
	0.00	0.00	.13	.19	0.00	0.00	.31	
N	0	1	2	2	0	0	5	6.45
	0.00	.46	.92	.92	0.00	0.00	2.30	
	0.00	.06	.13	.13	0.00	0.00	.31	
CALM	1						1	CALM
	.46						.46	
	.06						.06	
TOTAL	5	10	40	89	38	15	217	6.61
	2.30	4.61	18.43	41.01	26.73	6.91	100.00	
	.31	.62	2.48	5.51	3.59	.93	13.43	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:33:48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	1 .81 .06	2 1.61 .12	0 0.00 0.00	0 0.00 0.00	3 2.42 .19	5.83
NE	0 0.00 0.00	1 .81 .06	0 0.00 0.00	2 1.61 .12	0 0.00 0.00	0 0.00 0.00	3 2.42 .19	4.77
ENE	0 0.00 0.00	0 0.00 0.00	1 .81 .06	1 .81 .06	0 0.00 0.00	0 0.00 0.00	2 1.61 .12	4.75
E	0 0.00 0.00	0 0.00 0.00	1 .81 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .81 .06	4.50
ESE	1 .81 .06	0 0.00 0.00	0 0.00 0.00	1 .81 .06	0 0.00 0.00	0 0.00 0.00	2 1.61 .12	5.87
SE	1 .81 .06	0 0.00 0.00	1 .81 .06	0 0.00 0.00	2 2.42 .19	1 .81 .06	5 4.03 .31	7.97
SSE	0 0.00 0.00	0 0.00 0.00	1 .81 .06	0 0.00 0.00	1 .81 .06	1 .81 .06	3 2.42 .19	6.80
S	0 0.00 0.00	0 0.00 0.00	2 1.61 .12	1 .81 .06	1 .81 .06	1 .81 .06	5 4.03 .31	7.85
SSW	0 0.00 0.00	1 .81 .06	1 .81 .06	1 .81 .06	2 1.61 .12	0 0.00 0.00	5 4.03 .31	6.51
SW	0 0.00 0.00	0 0.00 0.00	3 2.42 .19	3 2.42 .19	2 1.61 .12	1 .81 .06	9 7.26 .56	6.95
WSW	0 0.00 0.00	2 1.61 .12	3 2.42 .19	2 1.61 .12	4 3.23 .25	2 1.61 .12	13 10.48 .80	6.14
W	0 0.00 0.00	0 0.00 0.00	3 2.42 .19	3 2.42 .19	3 2.42 .19	0 0.00 0.00	9 7.26 .56	5.29
WNW	0 0.00 0.00	0 0.00 0.00	6 4.84 .37	6 4.84 .37	0 0.00 0.00	0 0.00 0.00	12 9.68 .74	5.78
NW	0 0.00 0.00	1 .81 .06	4 3.23 .25	4 3.23 .25	3 2.42 .19	0 0.00 0.00	13 10.48 .80	6.25
NNW	0 0.00 0.00	0 0.00 0.00	3 2.42 .19	5 4.03 .31	4 3.23 .25	0 0.00 0.00	12 9.68 .74	5.47
N	0 0.00 0.00	1 .81 .06	3 2.42 .19	3 2.42 .19	1 .81 .06	0 0.00 0.00	8 6.45 .50	4.27
CALM	1 .81 .06	0 0.00 0.00	0 0.00 0.00	1 .81 .06	0 0.00 0.00	0 0.00 0.00	2 1.61 .12	CALM
TOTAL	2 0.00 0.00 2 1.61 .12	7 5.65 .43	35 28.23 2.17	42 33.87 2.60	28 22.58 1.73	10 8.06 .62	124 100.00 7.67	6.31

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL FEBRUARY COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:33:48

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	8 .50	28 1.73	37 2.29	14 .87	18 1.11	105 6.50	6.81
NE	1 .06	19 1.18	27 1.67	23 1.42	16 .99	8 .50	94 5.82	5.53
ENE	0 0.00	5 .31	18 1.11	21 1.30	11 .68	4 .25	59 3.65	6.00
E	1 .06	3 .19	12 .74	29 1.79	14 .87	0 0.00	59 3.65	6.05
ESE	1 .06	2 .12	11 .68	26 1.61	8 .50	0 0.00	48 2.97	5.84
SE	2 .12	8 .50	17 1.05	18 1.11	4 .25	4 .25	53 3.28	5.31
SSE	2 .12	4 .25	14 .87	27 1.67	19 1.18	7 .43	73 4.52	6.60
S	2 .12	4 .25	20 1.24	47 2.91	71 4.39	29 1.79	173 10.71	7.75
SSW	0 0.00	3 .19	13 .80	33 2.04	40 2.48	20 1.24	109 6.75	7.83
SW	0 0.00	10 .62	23 1.42	32 1.98	31 1.92	10 .62	106 6.56	6.79
WSW	2 .12	5 .31	11 .68	29 1.79	11 .68	10 .62	68 4.21	6.60
W	4 .25	5 .31	24 1.49	30 1.86	8 .50	4 .25	75 4.64	5.60
WNW	0 0.00	12 .74	17 1.05	25 1.55	16 .99	2 .12	72 4.46	5.69
NW	1 .06	5 .31	20 1.24	26 1.61	23 1.42	19 1.18	94 5.82	7.51
NNW	0 0.00	7 .43	25 1.55	42 2.60	44 2.72	61 3.77	179 11.08	8.70
N	2 .12	4 .25	39 2.41	77 4.76	47 2.91	78 4.83	247 15.28	8.42
CALM	2 .12						2 .12	CALM
TOTAL	20 1.24	104 6.44	319 19.74	522 32.30	377 23.33	274 16.96	1616 100.00	7.13

NUMBER OF VALID OBSERVATIONS	1616	79.22 PCT
NUMBER OF INVALID OBSERVATIONS	424	20.78 PCT
TOTAL NUMBER OF OBSERVATIONS	2040	100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.47.44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 .46 .06	0 0.00 0.00	11 5.09 .68	0 0.00 0.00	0 0.00 0.00	12 5.56 .74	5.60
NE	0 0.00 0.00	0 0.00 0.00	3 1.39 .19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 1.39 .19	2.70
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 0.00 .06	0 0.00 0.00	1 .46 .06	9.30
ESE	0 0.00 0.00	1 .46 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .46 .06	1.70
SE	0 0.00 0.00	0 0.00 0.00	1 .46 .06	8 2.78 .37	1 .46 .06	0 0.00 0.00	10 4.63 .62	7.42
SSE	0 0.00 0.00	1 .46 .06	0 0.00 0.00	8 3.70 .50	2 .93 .12	0 0.00 0.00	11 5.09 .68	8.91
S	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	9 4.17 .56	1 .46 .06	1 .46 .06	11 5.09 .68	8.51
SSW	1 .46 .06	0 0.00 0.00	3 1.39 .19	7 3.24 .43	6 2.78 .37	2 .93 .12	19 8.80 1.18	9.44
SW	1 .46 .06	1 .46 .06	2 .93 .12	7 3.24 .43	2 .93 .12	0 0.00 0.00	13 6.02 .81	7.73
WSW	1 .46 .06	1 .46 .06	2 .93 .12	0 0.00 0.00	2 .93 .12	1 .46 .06	7 3.24 .43	9.20
W	0 0.00 0.00	1 .46 .06	2 .93 .12	0 0.00 0.00	1 .46 .06	1 .46 .06	5 2.31 .31	7.42
WNW	0 0.00 0.00	1 .46 .06	4 1.85 .25	2 .93 .12	1 .46 .06	0 0.00 0.00	8 3.70 .50	4.17
NW	0 0.00 0.00	0 0.00 0.00	1 .46 .06	1 .46 .06	2 .93 .12	0 0.00 0.00	4 1.85 .25	13.97
NNW	1 .46 .06	0 0.00 0.00	6 2.78 .37	4 1.85 .25	2 .93 .12	1 .46 .06	14 6.48 .87	9.22
N	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 1.39 .19	2 .93 .12	1 .46 .06	6 2.78 .37	9.53
CALM	0 0.00 0.00	0 0.00 0.00	1 .46 .06	7 3.24 .43	5 2.31 .31	2 .93 .12	15 6.94 .93	8.41
TOTAL	0 0.00 0.00 3 1.39 .19	6 2.78 .37	20 9.26 1.24	60 27.78 3.72	55 25.46 3.41	72 33.33 4.46	0 0.00 0.00 216 100.00 13.37	CALM 8.82

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.47.44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 1.04 .06	2 2.08 .12	2 2.08 .12	4 4.17 .25	0 0.00 0.00	0 0.00 0.00	9 9.37 .56	4.42
NE	2 2.08 .12	2 2.08 .12	2 2.08 .12	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 6.25 .37	2.37
ENE	0 0.00 0.00	4 4.17 .25	0 0.00 0.00	1 1.04 .06	0 0.00 0.00	0 0.00 0.00	5 5.21 .31	3.36
E	0 0.00 0.00	1 1.04 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	1.60
ESE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 4.17 .25	4 4.17 .25	12.77
SE	0 0.00 0.00	0 0.00 0.00	4 4.17 .25	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 4.17 .25	4.60
SSE	0 0.00 0.00	0 0.00 0.00	2 2.08 .12	2 2.08 .12	1 1.04 .06	0 0.00 0.00	5 5.21 .31	6.12
S	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.12 .19	3 3.12 .19	13.87
SSW	0 0.00 0.00	0 0.00 0.00	6 6.25 .37	1 1.04 .06	5 5.21 .31	4 4.17 .25	16 16.67 .99	7.63
SW	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	2 2.08 .12	1 1.04 .06	2 2.08 .12	6 6.25 .37	7.12
WSW	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	1 1.04 .06	2 2.08 .12	2 2.08 .12	6 6.25 .37	8.25
W	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.08 .12	2 2.08 .12	12.35
WNW	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	4.50
NW	0 0.00 0.00	1 1.04 .06	2 2.08 .12	1 1.04 .06	1 1.04 .06	2 2.08 .12	7 7.29 .43	8.69
NNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.12 .19	4 4.17 .25	3 3.12 .19	10 10.42 .62	9.17
N	1 1.04 .06	0 0.00 0.00	0 0.00 0.00	5 5.21 .31	2 2.08 .12	3 3.12 .19	11 11.46 .68	7.39
CALM	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
TOTAL	4 4.17 .25	10 10.42 .62	21 21.87 1.30	20 20.83 1.24	16 16.67 .99	25 26.04 1.55	96 100.00 5.94	7.20

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	3	1	3	2	5	14	8.53
	93	0.00	93	4.63	1.85	4.63	12.96	
	06	0.00	06	31	12	31	87	
NE	1	1	0	0	0	0	2	2.60
	93	2.78	93	0.00	0.00	0.00	4.63	
	06	19	06	0.00	0.00	0.00	31	
ENE	1	1	2	0	0	0	4	2.80
	93	93	1.85	0.00	0.00	0.00	3.70	
	06	06	12	0.00	0.00	0.00	25	
E	0	0	0	0	0	1	1	14.80
	0.00	0.00	0.00	0.00	0.00	93	93	
	0.00	0.00	0.00	0.00	0.00	06	06	
ESE	0	2	1	0	1	0	4	5.22
	0.00	1.85	93	0.00	0.00	93	3.70	
	0.00	12	06	0.00	0.00	06	25	
SE	0	1	2	1	0	0	4	3.67
	0.00	93	1.85	93	0.00	0.00	3.70	
	0.00	06	12	06	0.00	0.00	25	
SSE	0	0	1	3	2	1	7	7.63
	0.00	0.00	93	2.78	1.85	93	6.48	
	0.00	0.00	06	19	12	06	43	
S	0	0	1	3	3	2	9	8.34
	0.00	0.00	93	2.78	2.78	1.85	8.33	
	0.00	0.00	06	19	19	12	56	
SSW	0	0	1	3	2	3	9	8.47
	0.00	0.00	93	2.78	1.85	2.78	8.33	
	0.00	0.00	06	19	12	19	56	
SW	0	0	1	2	0	0	3	4.12
	0.00	1.85	93	1.85	0.00	0.00	4.63	
	0.00	12	06	12	0.00	0.00	31	
WSW	0	1	0	1	0	0	2	4.30
	0.00	93	0.00	93	0.00	0.00	1.85	
	0.00	06	0.00	06	0.00	0.00	12	
W	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WNW	0	0	0	1	1	0	2	10.27
	0.00	0.00	0.00	93	93	0.00	2.78	
	0.00	0.00	0.00	06	06	0.00	19	
NW	0	0	1	3	1	1	6	9.55
	0.00	0.00	93	93	93	2.78	5.56	
	0.00	0.00	06	06	06	19	37	
NNW	0	0	1	3	9	3	16	8.67
	0.00	0.00	93	2.78	8.33	2.78	14.81	
	0.00	0.00	06	19	56	19	99	
N	1	0	0	8	1	3	18	7.31
	93	0.00	2.78	7.41	93	4.63	16.67	
	06	0.00	19	50	06	31	1.11	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	4	10	16	31	21	26	108	7.36
	3.70	9.26	14.81	28.70	19.44	24.07	100.00	
	25	62	99	1.92	1.30	1.61	6.69	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	7	27	25	20	80	8.18
	0.00	16	1.15	4.44	4.11	3.29	13.16	
	0.00	06	43	1.67	1.55	1.24	4.95	
NE	0	1	9	4	6	1	21	6.25
	0.00	16	1.48	66	99	16	3.45	
	0.00	06	56	25	37	06	1.30	
ENE	0	3	10	4	3	5	31	5.86
	0.00	49	2.80	66	49	82	5.10	
	0.00	19	80	25	19	31	1.20	
E	0	6	10	9	7	8	38	6.59
	00	99	1.64	82	1.15	1.32	6.25	
	12	37	62	31	43	50	2.35	
ESE	0	4	6	5	5	1	21	7.46
	0.00	66	99	3.12	49	1.97	7.24	
	0.00	25	37	1.18	19	74	2.72	
SE	0	7	7	17	7	10	41	7.73
	16	49	49	2.80	1.15	1.64	6.74	
	06	19	19	1.05	43	62	2.54	
SSE	0	2	4	6	3	2	17	6.86
	0.00	33	66	99	49	33	2.80	
	0.00	12	25	37	19	12	1.80	
S	0	1	8	14	20	28	71	9.28
	0.00	16	1.32	2.30	3.29	4.61	11.68	
	0.00	06	50	87	1.24	1.73	4.40	
SSW	1	4	8	11	11	15	43	7.90
	16	49	1.32	1.81	1.81	1.97	7.07	
	06	19	50	68	68	74	2.66	
SW	1	2	6	8	8	6	31	9.49
	0.00	33	16	33	46	1.32	2.63	
	0.00	12	06	12	19	50	99	
WSW	1	4	3	4	4	0	16	5.12
	16	66	49	49	66	0.00	2.13	
	06	25	19	19	25	0.00	93	
W	3	5	3	1	5	0	17	7.56
	49	82	49	16	82	0.00	2.80	
	19	31	19	06	31	0.00	1.05	
WNW	0	0	1	3	4	3	11	11.57
	0.00	0.00	16	49	66	1.48	2.13	
	0.00	0.00	06	12	25	56	99	
NW	1	1	4	7	12	16	39	8.91
	0.00	16	66	1.15	1.97	2.63	6.41	
	0.00	06	19	43	74	99	2.41	
NNW	0	1	4	14	24	28	67	9.69
	0.00	16	66	2.30	3.95	4.28	11.02	
	0.00	06	25	87	1.49	1.61	4.15	
N	1	0	6	16	16	13	52	8.08
	16	0.00	99	2.63	2.63	2.14	8.55	
	06	0.00	37	99	99	80	3.22	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	9	34	90	149	150	176	608	8.12
	1.48	5.59	14.80	24.51	24.67	28.95	100.00	
	56	2.11	5.57	9.23	9.29	10.90	37.65	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	2	4	4	1	11	6.87
	0.00	0.00	.57	1.14	1.14	.29	3.14	
	0.00	0.00	.12	.25	.25	.06	.68	
NE	0	1	4	0	0	0	5	3.26
	0.00	.29	1.14	0.00	0.00	0.00	1.43	
	0.00	.06	.25	0.00	0.00	0.00	.31	
ENE	0	5	0	0	1	0	6	4.50
	0.00	1.43	0.00	0.00	.29	0.00	1.71	
	0.00	.31	0.00	0.00	.06	0.00	.37	
E	0	2	5	6	3	0	16	6.32
	0.00	.57	1.43	1.71	.86	.57	5.14	
	0.00	.12	.31	.37	.19	.12	1.11	
ESE	0	4	4	4	2	2	16	5.27
	0.00	1.14	1.14	1.14	.57	.57	4.59	
	0.00	.25	.25	.25	.12	.12	.99	
SE	1	5	4	10	3	2	25	6.70
	.29	1.43	1.14	2.86	.86	.57	7.43	
	.06	.31	.25	.62	.19	.12	1.54	
SSE	1	3	13	8	6	3	35	6.48
	.29	.86	3.71	2.29	1.71	1.43	10.00	
	.06	.19	.80	.50	.37	.31	2.17	
S	0	0	5	11	5	4	25	10.00
	0.00	0.00	1.43	3.14	1.43	1.14	7.14	
	0.00	0.00	.31	.68	.31	.25	1.54	
SSW	0	0	5	6	7	6	24	10.84
	0.00	0.00	1.43	1.71	2.00	1.71	6.86	
	0.00	0.00	.31	.37	.43	.37	1.48	
SW	0	0	4	5	11	4	24	7.78
	0.00	0.00	1.14	1.43	3.14	1.14	6.86	
	0.00	0.00	.25	.31	.68	.25	1.48	
WSW	0	0	5	2	2	1	10	5.69
	0.00	0.00	1.43	.57	.57	.29	2.86	
	0.00	0.00	.31	.12	.12	.06	.62	
W	1	1	1	2	0	1	6	5.18
	.29	.29	.29	.57	0.00	.29	1.71	
	.06	.06	.06	.12	0.00	.06	.37	
WNW	0	1	0	6	0	0	7	5.80
	0.00	.29	0.00	1.71	0.00	0.00	2.00	
	0.00	.06	0.00	.37	0.00	0.00	.43	
NW	0	0	1	8	3	0	12	7.04
	0.00	0.00	.57	2.29	.86	0.00	3.71	
	0.00	0.00	.12	.50	.19	0.00	.80	
NNW	0	1	1	4	7	1	17	7.05
	0.00	.29	1.14	1.14	2.00	.29	4.86	
	0.00	.06	.25	.25	.43	.06	1.05	
N	0	0	3	1	5	1	10	7.25
	0.00	0.00	.86	4.00	4.29	.29	9.43	
	0.00	0.00	.19	.87	.93	.06	2.04	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	20	51	88	101	88	350	7.94
	.57	5.71	14.57	25.14	28.86	25.14	100.00	
	.12	1.24	3.16	5.45	6.25	5.45	21.67	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15:47:44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	2	1	2	1	0	6	4.53
	0.00	1.42	.71	1.42	.71	0.00	4.26	
	0.00	.12	.06	.12	.06	0.00	.37	
NE	0	1	1	1	0	0	3	4.13
	0.00	.71	.71	.71	0.00	0.00	2.13	
	0.00	.06	.06	.06	0.00	0.00	.19	
ENE	0	0	1	1	1	0	3	6.13
	0.00	0.00	.71	.71	.71	0.00	2.13	
	0.00	0.00	.06	.06	.06	0.00	.19	
E	0	0	1	2	0	0	3	6.43
	0.00	0.00	.71	1.42	0.00	0.00	2.13	
	0.00	0.00	.06	.12	0.00	0.00	.19	
ESE	0	0	0	0	2	1	3	9.60
	0.00	0.00	0.00	.71	1.42	.71	2.13	
	0.00	0.00	0.00	.06	.12	.06	.19	
SE	0	0	0	3	1	1	9	7.89
	0.00	0.00	0.00	3.55	5.67	0.00	9.22	
	0.00	0.00	0.00	.31	.50	0.00	.80	
SSE	0	0	2	3	2	2	9	7.51
	0.00	0.00	2.13	3.55	7.80	1.42	14.89	
	0.00	0.00	.19	.31	.68	.12	1.30	
S	0	1	1	9	15	2	28	7.48
	0.00	.71	.71	9.22	10.64	1.42	22.70	
	0.00	.06	.06	.80	.93	.12	1.98	
SSW	0	0	2	3	5	0	11	6.92
	0.00	0.00	2.13	3.55	5.67	0.00	11.35	
	0.00	0.00	.19	.31	.50	0.00	.99	
SW	0	1	1	1	2	0	5	5.43
	0.00	1.42	.71	1.42	1.42	0.00	4.96	
	0.00	.12	.06	.12	.12	0.00	.43	
WSW	0	1	2	1	0	0	4	4.12
	0.00	.71	1.42	.71	0.00	0.00	2.84	
	0.00	.06	.12	.06	0.00	0.00	.25	
W	0	0	2	0	0	0	2	4.75
	0.00	0.00	1.42	0.00	0.00	0.00	1.42	
	0.00	0.00	.12	0.00	0.00	0.00	.12	
WNW	0	1	2	6	0	0	9	7.69
	0.00	.71	1.42	4.26	0.00	0.00	6.38	
	0.00	.06	.12	.37	0.00	0.00	.56	
NW	0	0	1	1	1	1	4	7.95
	0.00	0.00	.71	.71	.71	.71	2.84	
	0.00	0.00	.06	.06	.06	.06	.25	
NNW	0	0	0	5	0	0	5	6.38
	0.00	0.00	0.00	3.55	0.00	0.00	3.55	
	0.00	0.00	0.00	.31	0.00	0.00	.31	
N	0	0	1	3	6	1	10	7.67
	0.00	0.00	.71	1.42	4.26	.71	7.09	
	0.00	0.00	.06	.12	.37	.06	.62	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	8	18	48	59	8	141	7.02
	0.00	5.67	12.77	34.04	41.84	5.67	100.00	
	0.00	.50	1.11	2.97	3.65	.50	8.73	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.47.44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 1.04 .06	0 0.00 0.00	2 2.08 12	0 0.00 0.00	0 0.00 0.00	3 3.12 .19	4.87
NE	1 1.04 .06	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	1.50
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
E	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
ESE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
SE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.08 12	1 1.04 .06	0 0.00 0.00	3 3.12 .19	7.13
SSE	1 1.04 .06	1 1.04 .06	0 0.00 0.00	2 2.08 12	7 7.29 .43	0 0.00 0.00	11 11.46 .68	7.08
S	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	8 8.33 .50	12 12.50 .74	0 0.00 0.00	21 21.87 1.30	7.51
SSW	0 0.00 0.00	0 0.00 0.00	2 2.08 .12	5 5.21 .31	4 4.17 .25	0 0.00 0.00	11 11.46 .68	6.63
SW	0 0.00 0.00	0 0.00 0.00	3 3.12 .19	8 8.33 .50	1 1.04 .06	0 0.00 0.00	12 12.50 .74	5.98
WSW	0 0.00 0.00	1 1.04 .06	2 2.08 .12	2 2.08 .12	0 0.00 0.00	0 0.00 0.00	5 5.21 .31	4.44
W	2 2.08 .12	2 2.08 .12	1 1.04 .06	0 0.00 0.00	1 1.04 .06	0 0.00 0.00	6 6.25 .37	3.25
WNW	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	3 3.12 .19	3 3.12 .19	0 0.00 0.00	7 7.29 .43	7.26
NW	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	0 0.00 0.00	2 2.08 .12	0 0.00 0.00	3 3.12 .19	7.07
NNW	0 0.00 0.00	0 0.00 0.00	1 1.04 .06	4 4.17 .25	1 1.04 .06	0 0.00 0.00	6 6.25 .37	6.13
N	0 0.00 0.00	1 1.04 .06	2 2.08 .12	0 0.00 0.00	4 4.17 .25	0 0.00 0.00	7 7.29 .43	6.53
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	4 4.17 .25	6 6.25 .37	14 14.58 .87	36 37.50 2.23	36 37.50 2.23	0 0.00 0.00	96 100.00 5.94	6.40

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MARCH COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/10/81 15.47.44

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .12	7 .43	13 .80	55 3.41	32 1.98	26 1.61	135 8.36	7.39
NE	4 .25	8 .50	20 1.24	5 .31	6 .37	1 .06	44 2.72	4.54
ENE	1 .06	10 .62	19 1.18	6 .37	5 .31	5 .31	46 2.85	5.25
E	2 .12	9 .56	16 .99	13 .80	11 .68	11 .68	62 3.84	6.60
ESE	0 0.00	11 .68	11 .68	24 1.49	4 .25	21 1.30	71 4.40	7.18
SE	2 .12	9 .56	14 .87	41 2.54	27 1.67	15 .93	108 6.69	7.12
SSE	1 .06	7 .43	23 1.42	34 2.11	39 2.41	17 1.05	121 7.49	7.32
S	0 0.00	2 .12	13 .80	58 3.59	90 5.70	83 5.14	248 15.36	9.09
SSW	2 .12	3 .19	25 1.55	34 2.11	45 2.79	67 4.15	176 10.90	8.82
SW	1 .06	7 .43	11 .68	18 1.11	15 .93	15 .93	67 4.15	7.28
WSW	1 .06	8 .50	13 .80	13 .80	9 .56	5 .31	49 3.03	6.02
W	6 .37	6 .37	8 .50	6 .37	8 .50	8 .50	42 2.60	6.67
WNW	0 0.00	2 .12	4 .25	15 .93	16 .99	18 1.11	55 3.41	9.98
NW	1 .06	2 .12	16 .99	22 1.36	26 1.61	32 1.98	99 6.13	8.68
NNW	0 0.00	2 .12	8 .50	36 2.23	54 3.34	42 2.60	142 8.79	8.93
N	3 .19	1 .06	16 .99	52 3.22	49 3.03	29 1.80	150 9.29	7.70
CALM	0 .00						0 0.00	CALM
TOTAL	26 1.61	94 5.82	220 14.24	432 26.75	438 27.12	395 24.46	1615 100.00	7.87

NUMBER OF VALID OBSERVATIONS 1615 72.36 PCT
NUMBER OF INVALID OBSERVATIONS 617 27.64 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10:37:57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	6	5	2	0	14	5.15
	0.00	.31	1.87	1.56	.62	0.00	4.36	
	0.00	.05	.29	.24	.10	0.00	.68	
NE	0	2	1	1	0	0	4	4.02
	0.00	.62	.31	.31	0.00	0.00	1.25	
	0.00	.10	.05	.05	0.00	0.00	.19	
ENE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E	0	0	1	0	3	0	4	7.20
	0.00	0.00	.31	0.00	.93	0.00	1.25	
	0.00	0.00	.05	0.00	.15	0.00	.19	
ESE	0	0	1	0	6	2	9	7.02
	0.00	0.00	.31	1.87	1.87	0.00	2.80	
	0.00	0.00	.05	.29	.10	0.00	.44	
SE	0	0	0	3	8	2	13	8.37
	0.00	0.00	0.00	.93	2.49	.62	4.05	
	0.00	0.00	0.00	.15	.39	.10	.63	
SSE	0	0	4	0	7	6	17	10.17
	0.00	0.00	1.25	0.00	2.80	4.98	9.03	
	0.00	0.00	.19	0.00	.44	.78	1.41	
S	0	0	4	8	11	19	42	10.85
	0.00	0.00	1.25	2.49	4.05	10.90	18.69	
	0.00	0.00	.19	.39	.63	1.70	2.92	
SSW	0	0	4	8	10	15	37	9.14
	0.00	0.00	1.25	2.49	4.05	4.67	12.46	
	0.00	0.00	.19	.39	.63	.73	1.94	
SW	0	2	9	3	9	16	39	10.65
	0.00	.62	2.80	.93	2.80	4.98	12.15	
	0.00	.10	.44	.15	.44	.78	1.90	
WSW	0	1	0	3	1	7	12	9.07
	0.00	.31	0.00	.93	.31	2.18	3.74	
	0.00	.05	0.00	.15	.05	.34	.58	
W	0	1	7	5	2	3	18	5.84
	0.00	.31	2.18	1.56	.62	0.00	5.61	
	0.00	.05	.34	.24	.10	0.00	.88	
WNW	1	5	5	2	1	1	15	6.90
	.31	1.56	1.56	.62	.31	.31	4.67	
	.05	.24	.24	.10	.05	.05	.73	
NW	0	0	2	3	3	6	14	9.71
	0.00	0.00	.93	.93	.93	1.87	4.36	
	0.00	0.00	.10	.15	.15	.29	.68	
NNW	0	0	2	1	9	3	15	7.89
	0.00	0.00	.62	.31	2.80	.93	4.67	
	0.00	0.00	.10	.05	.44	.15	.73	
N	0	0	2	6	8	2	18	6.69
	0.00	0.00	.62	1.87	2.49	.62	5.61	
	0.00	0.00	.10	.29	.39	.10	.88	
CALM	0	1	2	13	8	0	24	CALM
	0.00	.31	.62	4.05	2.49	0.00	7.48	
	0.00	.05	.10	.63	.39	0.00	1.17	
	0						0	
	0.00						0.00	
	0.00						0.00	
TOTAL	1	8	43	65	79	115	321	8.82
	.31	2.49	13.40	20.25	7.72	35.83	100.00	
	.05	.39	2.09	3.16	4.33	5.59	15.61	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10:37:57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	0	0	1	1	2	9.35
	0.00	0.00	0.00	0.00	1.15	1.15	2.30	
	0.00	0.00	0.00	0.00	.05	.05	.10	
NE	0	2	1	0	0	0	3	2.90
	0.00	2.30	1.15	0.00	0.00	0.00	3.45	
	0.00	.10	.05	0.00	0.00	0.00	.15	
ENE	0	0	0	1	4	0	5	7.98
	0.00	0.00	0.00	1.15	4.60	0.00	5.75	
	0.00	0.00	0.00	.05	.19	0.00	.24	
E	0	0	1	2	2	0	5	6.66
	0.00	0.00	1.15	2.30	2.30	0.00	5.75	
	0.00	0.00	.05	.10	.10	0.00	.24	
ESE	0	0	1	0	0	0	1	4.20
	0.00	0.00	1.15	0.00	0.00	0.00	1.15	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
SE	0	0	0	0	7	0	7	8.29
	0.00	0.00	0.00	0.00	8.05	0.00	8.05	
	0.00	0.00	0.00	0.00	.34	0.00	.34	
SSE	0	0	0	1	0	5	6	12.22
	0.00	0.00	0.00	1.15	0.00	5.75	6.90	
	0.00	0.00	0.00	.05	0.00	.24	.29	
S	0	0	1	0	3	9	13	11.61
	0.00	0.00	1.15	0.00	3.45	10.34	14.94	
	0.00	0.00	.05	0.00	.15	.44	.63	
SSW	0	0	1	1	1	1	4	7.20
	0.00	0.00	1.15	1.15	1.15	1.15	4.60	
	0.00	0.00	.05	.05	.05	.05	.19	
SW	0	0	0	1	1	3	5	11.18
	0.00	0.00	0.00	1.15	1.15	3.45	5.75	
	0.00	0.00	0.00	.05	.05	.15	.24	
WSW	0	1	0	0	1	0	2	5.05
	0.00	1.15	0.00	0.00	1.15	0.00	2.30	
	0.00	.05	0.00	0.00	.05	0.00	.10	
W	0	0	1	1	2	0	4	7.35
	0.00	0.00	1.15	1.15	2.30	0.00	4.60	
	0.00	0.00	.05	.05	.10	0.00	.19	
WNW	0	1	1	0	3	3	8	8.54
	0.00	1.15	1.15	0.00	3.45	3.45	9.20	
	0.00	.05	.05	0.00	.15	.15	.39	
NW	0	1	1	0	7	2	11	7.99
	0.00	1.15	1.15	0.00	8.05	2.30	12.64	
	0.00	.05	.05	0.00	.34	.10	.53	
NNW	0	0	0	1	1	3	5	9.22
	0.00	0.00	0.00	1.15	1.15	3.45	5.75	
	0.00	0.00	0.00	.05	.05	.15	.24	
N	0	0	0	1	3	2	6	8.97
	0.00	0.00	0.00	1.15	3.45	2.30	6.90	
	0.00	0.00	0.00	.05	.15	.10	.29	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	5	8	9	36	29	97	8.82
	0.00	5.75	9.20	10.34	41.38	33.33	100.00	
	0.00	.24	.39	.44	1.79	1.41	4.23	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND): 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	0	1	2	1	4	8.20
	0.00	0.00	0.00	.98	1.96	.98	3.92	
	0.00	0.00	0.00	.05	.10	.05	.19	
NE	1	1	1	4	1	0	8	5.37
	.98	.98	.98	3.92	.98	0.00	7.84	
	.09	.05	.05	.19	.05	0.00	.39	
ENE	0	1	1	0	1	0	3	4.60
	0.00	.98	.98	0.00	.98	0.00	2.94	
	0.00	.05	.05	0.00	.05	0.00	.15	
E	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	0	1	2	0	0	0	3	4.93
	0.00	.98	1.96	0.00	0.00	0.00	2.94	
	0.00	.05	.10	0.00	0.00	0.00	.15	
SE	0	0	1	6	1	0	8	9.95
	0.00	0.00	.98	5.88	.98	0.00	7.84	
	0.00	0.00	.05	.29	.05	0.00	.39	
SSE	0	1	0	4	4	0	9	10.12
	0.00	0.00	.98	3.92	3.92	0.00	8.82	
	0.00	0.00	.05	.19	.19	0.00	.44	
S	0	0	2	2	8	0	12	10.22
	0.00	0.00	1.96	1.96	7.84	0.00	11.76	
	0.00	0.00	.10	.10	.39	0.00	.58	
SSW	1	0	1	4	2	0	8	7.52
	.98	0.00	1.96	3.92	1.96	0.00	11.76	
	.05	0.00	.10	.19	.10	0.00	.58	
SW	0	0	1	2	0	0	3	5.33
	0.00	0.00	.98	1.96	0.00	0.00	2.94	
	0.00	0.00	.05	.10	0.00	0.00	.15	
WSW	0	0	0	0	1	2	3	11.53
	0.00	0.00	0.00	0.00	.98	1.96	2.94	
	0.00	0.00	0.00	0.00	.05	.10	.15	
W	0	0	0	3	5	0	8	7.99
	0.00	0.00	0.00	2.94	4.90	0.00	7.84	
	0.00	0.00	0.00	.15	.24	0.00	.39	
WNW	0	0	0	1	1	0	2	7.70
	0.00	0.00	1.96	0.00	.98	0.00	3.92	
	0.00	0.00	.10	0.00	.05	0.00	.19	
NW	0	0	1	2	4	2	9	8.71
	0.00	0.00	.98	1.96	3.92	1.96	8.82	
	0.00	0.00	.05	.10	.19	.10	.44	
NNW	0	1	2	3	1	0	7	5.37
	0.00	.98	1.96	2.94	.98	0.00	6.86	
	0.00	.05	.10	.15	.05	0.00	.34	
N	0	1	0	0	4	3	9	9.21
	0.00	.98	.98	0.00	3.92	2.94	8.82	
	0.00	.05	.05	0.00	.19	.15	.44	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	2	4	15	21	26	24	102	8.09
	1.96	3.92	14.71	20.59	25.49	23.53	100.00	
	.10	.19	.73	1.02	1.25	1.17	4.96	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND): 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	7	15	12	0	34	7.29
	0.00	0.00	1.07	1.63	1.30	0.00	3.70	
	0.00	0.00	.34	.58	.43	0.00	1.35	
NE	0	3	12	18	3	0	36	5.45
	0.00	.46	1.83	2.74	.46	0.00	5.48	
	0.00	.15	.58	.87	.15	0.00	1.75	
ENE	0	1	4	12	3	0	20	6.29
	0.00	.15	.61	1.83	.46	0.00	3.04	
	0.00	.05	.19	.58	.15	0.00	.97	
E	1	0	9	13	1	0	24	6.38
	.15	0.00	1.37	1.98	.15	0.00	3.65	
	.05	0.00	.43	.63	.05	0.00	1.17	
ESE	0	0	9	13	9	0	41	8.19
	0.00	0.00	1.37	1.98	1.37	0.00	6.24	
	0.00	0.00	.43	.63	.43	0.00	1.99	
SE	0	2	7	9	7	0	25	8.69
	0.00	.30	1.07	1.37	1.07	0.00	3.80	
	0.00	.10	.34	.43	.34	0.00	1.20	
SSE	0	0	0	7	1	0	8	11.38
	0.00	0.00	0.00	1.07	.15	0.00	1.22	
	0.00	0.00	0.00	.34	.05	0.00	.38	
S	0	1	2	13	7	1	24	10.49
	0.00	.15	.30	1.98	1.07	.15	3.65	
	0.00	.05	.10	.63	.34	.05	1.17	
SSW	0	0	1	9	3	0	13	9.84
	0.00	0.00	.15	1.37	.46	0.00	1.98	
	0.00	0.00	.05	.43	.15	0.00	.63	
SW	0	0	3	6	1	0	10	8.64
	0.00	0.00	.46	.91	.15	0.00	1.52	
	0.00	0.00	.15	.29	.05	0.00	.48	
WSW	0	1	4	6	2	0	13	8.01
	0.00	.15	.61	.91	.30	0.00	1.98	
	0.00	.05	.19	.29	.10	0.00	.63	
W	0	1	4	8	3	0	16	7.81
	0.00	.15	.61	1.22	.46	0.00	2.44	
	0.00	.05	.19	.39	.15	0.00	.77	
WNW	0	1	3	7	1	0	12	8.90
	0.00	.15	.46	1.07	.15	0.00	1.83	
	0.00	.05	.15	.34	.05	0.00	.58	
NW	0	0	3	9	2	0	14	9.13
	0.00	0.00	.46	1.37	.30	0.00	2.13	
	0.00	0.00	.15	.43	.10	0.00	.67	
NNW	0	0	3	7	1	0	11	9.30
	0.00	0.00	.46	1.07	.15	0.00	1.68	
	0.00	0.00	.15	.34	.05	0.00	.53	
N	1	0	4	8	4	0	17	10.00
	.15	0.00	.61	1.22	.61	0.00	2.59	
	.05	0.00	.19	.39	.19	0.00	.82	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	10	74	146	199	227	657	8.90
	.15	1.52	11.26	22.22	30.29	34.55	100.00	
	.05	.49	3.63	7.10	9.67	11.04	31.94	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	1	3	3	5	13	8.59
	0.00	2.02	2.02	6.06	6.06	1.01	2.62	
	0.00	.49	.05	.15	.24		.63	
NE	0	2	3	9	0	0	14	4.39
	0.00	4.04	3.03	9.09	0.00	0.00	3.23	
	0.00	.10	.15	.44	0.00	0.00	.78	
ENE	0	0	2	9	4	0	16	6.71
	0.00	0.00	2.02	9.09	4.04	0.00	3.23	
	0.00	0.00	.10	.44	.19	0.00	.78	
E	0	0	1	10	12	4	27	8.11
	0.00	0.00	1.01	10.10	12.12	4.04	5.44	
	0.00	0.00	.05	.49	.58	.19	1.31	
ESE	0	1	2	13	20	8	45	8.20
	0.00	1.01	2.02	13.13	20.20	8.08	9.07	
	0.00	.05	.10	.63	.97	.39	2.19	
SE	0	0	0	1	19	16	36	10.03
	0.00	0.00	0.00	1.01	19.19	16.16	7.26	
	0.00	0.00	0.00	.05	.92	.78	1.75	
SSE	0	1	2	11	38	33	84	9.77
	0.00	1.01	2.02	11.11	38.38	33.33	16.94	
	0.00	.05	.10	.53	1.85	1.60	4.08	
S	0	0	3	12	45	40	100	9.78
	0.00	0.00	1.52	6.09	22.84	20.30	20.16	
	0.00	0.00	.15	.58	2.19	1.94	4.86	
SSW	0	1	2	7	55	9	74	8.57
	0.00	1.01	2.02	7.07	55.56	9.09	14.92	
	0.00	.05	.10	.34	2.67	.44	3.59	
SW	0	0	2	8	13	4	27	8.13
	0.00	0.00	2.02	8.08	13.13	4.04	5.44	
	0.00	0.00	.10	.39	.63	.19	1.31	
WSW	0	0	2	5	4	1	12	7.15
	0.00	0.00	2.02	5.05	4.04	1.01	2.42	
	0.00	0.00	.10	.24	.19	.05	.58	
W	0	1	2	1	1	0	5	4.82
	0.00	1.01	2.02	1.01	1.01	0.00	1.01	
	0.00	.05	.10	.05	.05	0.00	.24	
WNW	0	1	2	4	5	0	12	7.41
	0.00	1.01	2.02	4.04	5.05	0.00	1.41	
	0.00	.05	.10	.19	.24	0.00	.58	
NW	0	2	3	7	5	0	17	6.18
	0.00	1.96	2.94	6.86	4.90	0.00	3.43	
	0.00	.10	.15	.34	.24	0.00	.83	
NNW	0	1	5	8	16	1	31	7.27
	0.00	.49	2.45	3.92	7.84	.49	1.51	
	0.00	.05	.24	.39	.78	.05	1.51	
N	0	1	1	8	7	4	21	7.61
	0.00	1.01	1.01	8.08	7.07	4.04	1.02	
	0.00	.05	.05	.39	.34	.19	1.02	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	10	40	108	216	122	496	8.55
	0.00	2.02	8.06	21.77	43.55	24.60	100.00	
	0.00	.49	1.94	5.25	10.50	5.93	24.11	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	3	5	0	11	7.23
	0.00	0.00	.42	2.09	2.09	0.00	4.60	
	0.00	0.00	.05	.24	.24	0.00	.53	
NE	1	1	3	0	0	0	4	3.42
	.42	0.00	1.26	0.00	0.00	0.00	1.67	
	.05	0.00	.15	0.00	0.00	0.00	.19	
ENE	0	0	2	2	2	1	7	6.89
	0.00	0.00	.84	.84	.84	.42	2.93	
	0.00	0.00	.10	.10	.10	.05	.34	
E	1	1	2	7	2	0	14	6.25
	.42	.42	.84	2.93	0.00	0.00	5.86	
	.05	.05	.10	.34	0.00	0.00	.68	
ESE	0	2	4	4	3	0	13	5.45
	0.00	.84	1.67	1.67	1.26	0.00	5.44	
	0.00	.10	.19	.19	.15	0.00	.63	
SE	0	0	1	8	16	2	27	8.09
	0.00	0.00	.42	3.35	6.69	.84	11.30	
	0.00	0.00	.05	.39	.78	.10	1.31	
SSE	0	1	0	17	27	9	54	8.25
	0.00	.42	0.00	7.11	11.30	3.77	22.59	
	0.00	.05	0.00	.83	1.31	.44	2.63	
S	0	0	2	14	13	2	31	7.70
	0.00	0.00	.84	5.86	5.44	.84	12.97	
	0.00	0.00	.10	.68	.63	.10	1.51	
SSW	1	1	3	4	4	0	13	5.89
	.42	.42	1.26	1.67	1.67	0.00	5.44	
	.05	.05	.15	.19	.19	0.00	.63	
SW	0	0	0	9	5	0	14	7.24
	0.00	0.00	0.00	3.77	2.09	0.00	5.86	
	0.00	0.00	0.00	.44	.24	0.00	.68	
WSW	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
W	0	0	2	9	2	0	13	5.97
	0.00	0.00	.84	3.77	.84	0.00	5.44	
	0.00	0.00	.10	.44	.10	0.00	.63	
WNW	1	0	0	1	0	0	2	6.83
	.42	0.00	0.00	.42	2.09	0.00	2.93	
	.05	0.00	0.00	.05	.24	0.00	.34	
NW	0	0	1	3	3	0	9	6.91
	0.00	0.00	.42	2.09	1.26	0.00	3.77	
	0.00	0.00	.05	.24	.15	0.00	.44	
NNW	0	0	0	3	2	0	5	6.68
	0.00	0.00	0.00	1.26	.84	0.00	2.09	
	0.00	0.00	0.00	.15	.10	0.00	.24	
N	0	0	2	8	4	3	17	7.51
	0.00	0.00	.84	3.35	1.67	1.26	7.11	
	0.00	0.00	.10	.39	.19	.15	.83	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	4	5	23	92	98	17	239	7.23
	1.67	2.09	9.62	38.49	41.00	7.11	100.00	
	.19	.24	1.12	4.47	4.76	.83	11.62	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	1 .65	1 .65	3 1.93	3 1.94	0 0.00	10 6.45	6.42
NE	0 0.00	0 0.00	1 .65	3 1.94	0 0.00	0 0.00	4 2.58	5.75
ENE	0 0.00	0 0.00	1 .65	1 .65	0 0.00	0 0.00	2 1.29	4.60
E	0 0.00	1 .65	0 0.00	2 1.29	8 5.16	0 0.00	11 7.10	7.39
ESE	0 0.00	0 0.00	1 .65	8 5.16	3 1.94	0 0.00	12 7.74	6.58
SE	0 0.00	0 0.00	1 .65	8 5.16	6 3.87	0 0.00	15 9.68	7.00
SSE	0 0.00	0 0.00	1 .65	14 9.03	7 4.52	1 .65	23 14.84	7.17
S	0 0.00	1 .65	0 0.00	17 10.97	10 6.45	0 0.00	28 18.06	7.01
SSW	0 0.00	1 .65	0 0.00	2 1.29	4 2.58	0 0.00	7 4.52	6.37
SW	0 0.00	0 0.00	3 1.94	8 5.16	4 2.58	0 0.00	15 9.68	6.83
WSW	0 0.00	0 0.00	2 1.29	2 1.29	0 0.00	0 0.00	4 2.58	4.85
W	0 0.00	1 .65	1 .65	2 1.29	0 0.00	0 0.00	4 2.58	4.67
WNW	0 0.00	1 .65	3 1.94	2 1.29	0 0.00	0 0.00	6 3.87	4.80
NW	0 0.00	0 0.00	0 0.00	2 1.29	0 0.00	0 0.00	2 1.29	3.93
NNW	0 0.00	0 0.00	0 0.00	2 1.29	0 0.00	0 0.00	2 1.29	6.30
N	0 0.00	0 0.00	1 .65	2 1.29	2 1.29	0 0.00	5 3.23	6.68
CALM	1 .65	1 .65	0 0.00	3 1.93	4 2.58	0 0.00	11 7.10	6.72
	0 0.00						0 0.00	CALM
TOTAL	1 .65	7 4.52	16 10.32	53 33.55	47 30.32	1 .65	0.00 155 100.00	6.36
		34	78	4.04	2.28	05	7.54	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL APRIL COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.37.57

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	3 .15	16 .78	31 1.51	29 1.41	9 .44	88 4.28	7.12
NE	2 .10	10 .49	30 1.46	29 1.41	4 .19	0 0.00	75 3.65	4.95
ENE	0 0.00	1 .05	11 .53	25 1.22	14 .68	2 .10	53 2.58	6.50
E	2 .10	2 .10	11 .53	28 1.36	35 1.70	7 .34	85 4.13	7.10
ESE	0 0.00	3 .15	17 .83	46 2.24	41 1.99	17 .83	124 6.03	7.56
SE	2 .10	2 .10	11 .53	27 1.31	93 4.52	43 2.09	176 8.56	8.70
SSE	0 0.00	2 .10	7 .34	48 2.33	102 4.96	102 4.96	261 12.69	9.73
S	2 .10	2 .10	14 .68	63 3.06	111 5.40	142 6.90	332 16.14	9.82
SSW	2 .10	1 .05	15 .73	40 1.94	70 3.40	46 2.24	174 8.46	8.58
SW	0 0.00	2 .10	11 .53	25 1.22	28 1.36	27 1.31	93 4.52	8.69
WSW	0 0.00	4 .19	6 .29	16 .68	9 .44	17 .83	50 2.43	7.89
W	0 0.00	4 .19	18 .88	29 1.41	18 .88	7 .34	76 3.69	6.59
WNW	2 .10	3 .15	12 .58	12 .58	29 1.41	15 .73	73 3.55	7.80
NW	0 0.00	3 .15	15 .73	29 1.41	41 1.99	44 2.14	132 6.42	9.58
NNW	0 0.00	2 .10	15 .73	35 1.70	55 2.67	15 .73	122 5.93	7.71
N	1 .05	5 .24	10 .49	43 2.09	42 2.04	42 2.04	143 6.95	8.45
CALM	0 0.00						0 0.00	CALM
TOTAL	9 .44	49 2.38	219 10.65	524 25.47	721 35.05	535 26.01	2057 100.00	8.39

NUMBER OF VALID OBSERVATIONS 2057 95.23 PCT
NUMBER OF INVALID OBSERVATIONS 103 4.77 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.41.53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	8	7	6	1	22	6.02
	0.00	0.00	2.09	1.83	1.57	.26	5.74	
	0.00	0.00	.37	.33	.28	.05	1.03	
NE	0	5	7	4	0	0	13	4.32
	0.00	.56	1.83	1.04	0.00	0.00	3.39	
	0.00	.09	.33	.19	0.00	0.00	.61	
ENE	0	0	5	3	1	0	9	5.06
	0.00	0.00	1.31	.78	.26	0.00	2.35	
	0.00	0.00	.23	.14	.05	0.00	.42	
E	0	5	4	4	0	0	13	5.05
	0.00	.52	1.31	1.04	0.00	0.00	3.39	
	0.00	.09	.23	.19	.09	0.00	.61	
ESE	0	2	9	3	2	1	17	5.24
	0.00	.52	2.35	.78	.52	.26	4.44	
	0.00	.09	.42	.14	.09	.05	.79	
SE	0	1	4	3	3	0	11	6.61
	0.00	.26	1.04	.78	.78	0.00	2.87	
	0.00	.05	.19	.14	.14	0.00	.52	
SSE	0	2	9	3	9	5	28	6.95
	0.00	.52	2.35	.78	2.35	1.31	7.31	
	0.00	.09	.42	.14	.42	.23	1.31	
S	0	0	5	5	6	6	18	9.19
	0.00	0.00	.52	.52	1.57	1.57	4.71	
	0.00	0.00	.09	.93	1.07	1.21	3.32	
SSW	0	1	4	7	26	39	77	10.27
	0.00	.26	1.04	1.83	6.79	10.18	20.10	
	0.00	.05	.19	.33	1.21	1.82	3.60	
SW	0	1	2	9	4	5	21	7.66
	0.00	.26	.52	2.35	1.04	1.31	5.48	
	0.00	.05	.09	.42	.19	.23	.98	
WSW	0	2	0	0	0	0	2	2.90
	0.00	.52	0.00	0.00	0.00	0.00	.52	
	0.00	.09	0.00	0.00	0.00	0.00	.09	
W	0	3	1	0	0	0	4	3.47
	0.00	.78	0.00	.26	0.00	0.00	1.04	
	0.00	.14	0.00	.05	0.00	0.00	.19	
WNW	0	2	0	0	0	0	2	2.65
	0.00	.52	0.00	0.00	0.00	0.00	.52	
	0.00	.09	0.00	0.00	0.00	0.00	.09	
NW	0	0	2	4	0	0	6	6.31
	0.00	0.00	.52	1.04	0.00	0.00	1.57	
	0.00	0.00	.09	.19	0.00	0.00	.28	
NNW	0	3	7	17	2	0	29	5.70
	0.00	.78	1.83	4.44	.52	0.00	7.57	
	0.00	.14	.33	.79	.09	0.00	1.35	
N	0	1	2	16	6	2	27	6.55
	0.00	.26	1.83	4.18	1.57	.52	8.36	
	0.00	.05	.33	.75	.28	.09	1.49	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	22	71	120	88	82	383	7.49
	0.00	5.74	18.54	31.33	22.98	21.41	100.00	
	0.00	1.03	3.32	5.66	4.11	3.83	17.89	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.41.53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	3	2	0	1	6	5.80
	0.00	0.00	3.26	2.17	0.00	1.09	6.52	
	0.00	0.00	.14	.09	0.00	.05	.28	
NE	0	1	1	1	0	0	3	4.43
	0.00	1.09	1.09	1.09	0.00	0.00	3.26	
	0.00	.05	.05	.05	0.00	0.00	.14	
ENE	0	0	2	0	1	0	3	5.60
	0.00	0.00	2.17	0.00	1.09	0.00	3.26	
	0.00	0.00	.09	0.00	.05	0.00	.14	
E	0	0	1	0	1	2	4	9.63
	0.00	0.00	1.09	0.00	1.09	2.17	4.35	
	0.00	0.00	.05	0.00	.05	.09	.19	
ESE	0	1	2	2	1	2	6	8.43
	0.00	1.09	2.17	2.17	1.09	2.17	6.52	
	0.00	.05	.09	.09	.05	.09	.28	
SE	0	0	1	5	1	2	9	7.60
	0.00	0.00	1.09	5.43	1.09	2.17	9.78	
	0.00	0.00	.05	.23	.05	.09	.42	
SSE	0	0	0	2	2	0	4	7.72
	0.00	0.00	2.17	0.00	2.17	2.17	4.35	
	0.00	0.00	.09	0.00	.09	.09	.19	
S	0	1	1	6	2	11	21	9.27
	0.00	1.09	1.09	6.52	2.17	11.96	22.83	
	0.00	.05	.05	.28	.09	.51	.98	
SSW	0	0	2	3	3	2	10	9.98
	0.00	0.00	2.17	0.00	3.26	5.43	10.87	
	0.00	0.00	.09	0.00	.14	.23	.47	
SW	0	0	0	1	2	1	4	9.20
	0.00	0.00	0.00	1.09	2.17	1.09	4.35	
	0.00	0.00	0.00	.05	.09	.05	.19	
WSW	0	0	0	0	0	1	1	10.30
	0.00	0.00	0.00	0.00	0.00	1.09	1.09	
	0.00	0.00	0.00	0.00	0.00	.05	.05	
W	0	0	2	0	0	0	2	4.45
	0.00	0.00	2.17	0.00	0.00	0.00	2.17	
	0.00	0.00	.09	0.00	0.00	0.00	.09	
WNW	0	0	1	0	0	0	1	4.90
	0.00	0.00	1.09	0.00	0.00	0.00	1.09	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
NW	0	2	2	0	1	1	6	5.42
	0.00	2.17	2.17	0.00	1.09	1.09	6.52	
	0.00	.09	.09	0.00	.05	.05	.28	
NNW	0	0	4	0	3	0	7	6.31
	0.00	0.00	4.35	0.00	3.26	0.00	7.61	
	0.00	0.00	.19	0.00	.14	0.00	.33	
N	0	1	0	1	1	2	5	8.12
	0.00	1.09	0.00	1.09	1.09	2.17	5.43	
	0.00	.05	0.00	.05	.05	.09	.23	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	5	23	18	16	30	92	7.89
	0.00	5.43	25.00	19.57	17.39	32.61	100.00	
	0.00	.23	1.07	.84	.75	1.40	4.30	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10:41:53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	2	3	0	0	6	4.80
	0.00	78	1.55	2.33	0.00	0.00	4.65	
	0.00	05	09	14	0.00	0.00	28	
NE	0	0	1	2	0	0	3	4.50
	0.00	0.00	78	78	0.00	0.00	1.55	
	0.00	0.00	05	05	0.00	0.00	09	
ENE	0	0	1	0	0	1	2	7.60
	0.00	0.00	78	0.00	0.00	78	1.55	
	0.00	0.00	05	0.00	0.00	05	09	
E	0	0	1	1	0	0	2	5.46
	0.00	78	1.55	2.33	78	0.00	5.43	
	0.00	05	09	14	05	0.00	33	
ESE	0	0	2	1	1	0	4	6.02
	0.00	0.00	1.55	78	78	0.00	3.10	
	0.00	0.00	09	05	05	0.00	19	
SE	0	0	2	2	0	0	4	5.40
	0.00	0.00	1.55	2.33	0.00	0.00	3.88	
	0.00	0.00	09	14	0.00	0.00	23	
SSE	0	0	0	3	0	1	4	7.20
	0.00	0.00	0.00	2.33	0.00	78	3.10	
	0.00	0.00	0.00	14	0.00	05	19	
S	1	1	5	8	5	15	29	8.48
	78	78	4.65	6.20	6.20	11.63	30.23	
	05	05	28	37	37	70	1.82	
SSW	0	0	1	3	3	10	17	10.00
	0.00	0.00	78	2.33	2.33	7.75	13.18	
	0.00	0.00	05	14	14	47	79	
SW	1	0	1	2	1	1	6	7.10
	78	0.00	78	1.55	78	78	4.65	
	05	0.00	05	09	05	05	28	
WSW	0	0	0	0	1	0	1	7.60
	0.00	0.00	0.00	0.00	78	0.00	78	
	0.00	0.00	0.00	0.00	05	0.00	05	
W	0	0	3	0	0	1	4	2.97
	0.00	78	2.33	0.00	0.00	0.00	3.10	
	0.00	05	14	0.00	0.00	0.00	19	
WNW	0	0	2	0	1	0	3	5.73
	0.00	0.00	1.55	0.00	78	0.00	2.33	
	0.00	0.00	09	0.00	05	0.00	14	
NW	1	0	1	5	0	0	7	5.43
	0.00	78	78	3.88	0.00	0.00	5.43	
	0.00	05	05	23	0.00	0.00	33	
NNW	1	0	2	3	2	0	9	6.08
	78	0.00	1.55	2.33	2.33	0.00	6.98	
	05	0.00	09	14	14	0.00	42	
N	1	0	0	1	8	3	13	8.65
	0.00	78	0.00	78	6.20	2.33	10.08	
	0.00	05	0.00	05	37	14	61	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	9	6	26	36	27	31	129	7.41
	2.33	4.65	20.16	27.91	20.93	24.03	100.00	
	14	28	1.21	1.68	1.26	1.45	6.03	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10:41:53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	2	9	18	11	7	47	7.29
	0.00	36	1.64	3.88	2.01	1.28	8.58	
	0.00	09	42	84	51	33	2.20	
NE	0	4	12	13	6	0	35	5.32
	0.00	73	2.19	2.37	1.09	0.00	6.39	
	0.00	19	56	61	28	0.00	1.63	
ENE	0	5	7	8	7	2	29	6.62
	0.00	91	1.28	1.46	1.28	37	5.30	
	0.00	23	33	37	33	09	1.35	
E	1	1	7	13	4	1	27	5.91
	18	18	1.28	2.37	73	18	4.93	
	05	05	33	61	19	05	1.26	
ESE	0	5	9	15	8	0	37	5.93
	0.00	55	1.64	2.74	1.46	0.00	6.39	
	0.00	14	42	70	37	0.00	1.63	
SE	1	1	8	21	8	2	42	6.39
	18	18	1.46	3.83	1.46	55	7.66	
	05	05	37	98	37	14	1.96	
SSE	1	1	9	9	8	3	30	6.59
	0.00	18	1.64	1.64	1.46	55	5.47	
	0.00	05	42	42	37	14	1.40	
S	1	2	6	21	42	51	123	9.63
	18	36	1.09	3.83	7.66	9.31	22.45	
	05	09	28	98	1.96	2.38	5.74	
SSW	0	0	3	11	9	25	48	9.79
	0.00	0.00	55	2.01	1.64	4.56	8.76	
	0.00	0.00	14	51	42	1.17	2.24	
SW	1	1	1	3	2	1	9	6.-
	18	18	18	55	36	18	1.64	
	05	05	05	14	09	05	42	
WSW	1	0	5	2	3	0	11	7.37
	18	0.00	91	55	55	0.00	2.19	
	05	0.00	23	14	14	0.00	56	
W	1	4	10	1	1	0	17	3.99
	18	73	1.82	18	18	0.00	3.10	
	05	19	47	05	05	0.00	79	
WNW	0	1	3	4	1	2	11	5.66
	0.00	18	55	73	18	2.01	2.11	
	0.00	05	14	19	05	51	28	
NW	0	2	0	3	4	2	11	7.75
	0.00	36	0.00	55	73	2.19	2.19	
	0.00	09	0.00	14	19	51	28	
NNW	0	0	1	4	1	3	9	7.69
	0.00	0.00	55	1.64	2.92	1.09	5.29	
	0.00	0.00	14	42	75	28	1.35	
N	1	2	5	13	8	3	33	6.67
	18	55	91	2.74	1.46	55	6.39	
	05	14	23	70	37	14	1.63	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	8	20	97	167	144	102	548	7.40
	1.46	5.47	17.70	30.47	26.28	18.61	100.00	
	37	1.40	4.53	7.80	6.73	4.76	25.60	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10:41:53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	2	3	6	13	3	28	7.22
	17	34	51	1.02	2.62	51	4.78	
	05	09	14	48	61	14	1.31	
NE	0	3	14	8	5	0	32	5.02
	0.00	85	2.39	1.37	85	0.00	5.46	
	0.00	05	05	37	20	0.00	1.49	
ENE	1	2	7	17	3	0	30	5.53
	17	34	1.19	2.90	51	0.00	5.12	
	05	09	33	79	14	0.00	1.40	
E	0	1	3	8	5	1	18	7.33
	0.00	17	51	1.37	2.09	34	4.44	
	0.00	05	14	37	36	09	1.61	
ESE	0	1	1	11	12	0	25	7.17
	0.00	17	17	1.88	2.05	0.00	4.27	
	0.00	05	05	51	56	0.00	1.17	
SE	1	2	9	10	3	1	46	6.80
	17	34	1.54	2.05	3.24	51	7.85	
	05	09	42	56	89	14	2.15	
SSE	0	3	9	23	27	4	66	7.11
	0.00	51	1.54	3.93	4.61	68	11.26	
	0.00	14	42	1.07	1.48	19	3.08	
S	0	4	11	21	98	51	184	9.14
	0.00	68	1.71	3.59	16.72	8.70	31.40	
	0.00	19	47	98	4.58	2.38	8.59	
SSW	1	2	4	12	10	5	37	7.07
	17	34	68	2.05	2.62	85	6.31	
	05	09	19	56	61	23	1.72	
SW	0	1	3	10	4	5	23	6.90
	0.00	17	85	1.71	85	68	4.27	
	0.00	05	20	47	20	19	1.17	
WSW	0	3	2	4	3	0	12	5.64
	0.00	51	34	68	51	0.00	2.05	
	0.00	14	09	19	14	0.00	56	
W	0	1	3	8	10	0	22	5.32
	0.00	17	51	1.02	0.00	0.00	1.71	
	0.00	05	14	28	0.00	0.00	47	
WNW	0	1	3	1	1	1	7	5.69
	0.00	17	51	17	17	17	1.19	
	0.00	05	14	05	05	05	32	
NW	0	2	8	1	0	0	11	5.48
	0.00	34	17	1.37	17	0.00	2.05	
	0.00	09	05	37	05	0.00	56	
NNW	0	0	1	11	9	1	22	7.19
	0.00	0.00	17	1.88	1.54	17	3.75	
	0.00	0.00	05	51	42	05	1.03	
N	1	0	0	4	13	5	24	8.38
	17	17	0.00	34	2.56	85	4.10	
	05	05	0.00	09	70	23	1.12	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	5	31	75	160	236	79	586	7.49
	85	5.29	12.80	27.30	40.27	13.48	100.00	
	23	1.45	3.50	7.47	11.02	3.69	27.37	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10:41:53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	3	3	3	0	9	6.11
	0.00	0.00	1.31	1.31	1.31	0.00	3.93	
	0.00	0.00	14	14	14	0.00	42	
NE	0	0	4	3	0	0	8	4.51
	0.00	44	1.75	1.31	0.00	0.00	3.49	
	0.00	05	19	14	0.00	0.00	37	
ENE	0	3	4	10	9	1	27	6.43
	0.00	1.31	1.75	4.37	3.93	44	11.79	
	0.00	14	19	47	42	05	1.26	
E	0	1	2	12	8	0	23	6.70
	0.00	44	87	5.24	3.49	0.00	10.04	
	0.00	05	09	56	37	0.00	1.07	
ESE	0	0	4	8	7	0	19	6.65
	0.00	0.00	1.75	3.49	3.06	0.00	8.30	
	0.00	0.00	19	37	33	0.00	89	
SE	0	0	4	13	5	0	22	6.33
	0.00	0.00	1.75	5.68	2.18	0.00	9.61	
	0.00	0.00	19	61	23	0.00	1.03	
SSE	0	2	4	5	7	0	19	5.88
	0.00	87	1.75	3.06	2.62	0.00	8.30	
	0.00	09	19	33	28	0.00	89	
S	0	5	5	13	9	0	32	6.00
	0.00	2.18	2.18	5.68	3.93	0.00	13.97	
	0.00	23	23	61	42	0.00	1.49	
SSW	0	1	2	6	9	0	21	6.50
	0.00	44	2.18	2.62	3.93	0.00	9.17	
	0.00	05	23	28	42	0.00	98	
SW	0	1	4	2	0	0	7	4.19
	0.00	43	1.75	87	0.00	0.00	3.06	
	0.00	05	19	09	0.00	0.00	33	
WSW	0	0	1	3	0	0	4	4.82
	0.00	0.00	44	1.31	0.00	0.00	1.75	
	0.00	0.00	05	14	0.00	0.00	19	
W	0	0	0	5	0	0	5	6.10
	0.00	0.00	0.00	2.18	0.00	0.00	2.18	
	0.00	0.00	0.00	23	0.00	0.00	23	
WNW	0	0	0	3	0	0	3	6.57
	0.00	0.00	0.00	1.31	44	0.00	1.75	
	0.00	0.00	0.00	14	05	0.00	19	
NW	0	0	0	1	3	0	4	5.05
	0.00	0.00	1.31	44	0.00	0.00	1.75	
	0.00	0.00	14	05	0.00	0.00	19	
NNW	0	0	0	7	3	0	10	4.88
	44	0.00	87	1.06	0.00	0.00	4.37	
	05	0.00	09	33	0.00	0.00	47	
N	0	0	0	9	4	2	15	7.53
	0.00	0.00	0.00	3.93	1.75	87	6.55	
	0.00	0.00	0.00	42	19	09	70	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	14	45	103	61	3	229	6.17
	44	6.11	19.65	45.85	26.64	1.31	100.00	
	05	65	2.10	4.00	2.85	14	10.70	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.41.53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	3 1.72 14	4 2.30 19	3 1.72 14	1 .57 .05	11 6.32 51	6.71
NE	0 0.00 0.00	1 .57 .09	7 4.02 61	2 1.15 19	0 0.00 0.00	0 0.00 0.00	10 5.75 89	4.42
ENE	1 .57 .05	1 .57 .05	3 1.72 14	4 2.30 19	0 0.00 0.00	0 0.00 0.00	9 5.17 42	4.62
E	1 .57 .05	1 .57 .05	7 4.02 33	6 3.45 28	0 0.00 0.00	0 0.00 0.00	15 8.05 65	4.69
ESE	0 0.00 0.00	0 0.00 0.00	2 1.15 09	4 2.30 19	1 .57 .05	0 0.00 0.00	7 4.02 32	6.04
SE	1 .57 .05	1 .57 .05	8 4.60 37	8 4.60 37	3 1.72 14	0 0.00 0.00	21 11.49 93	5.54
SSE	1 .57 .05	1 .57 .05	5 2.87 23	8 4.60 37	3 1.72 14	0 0.00 0.00	18 10.34 84	5.32
S	0 0.00 0.00	0 0.00 0.00	1 .57 05	7 4.02 33	5 2.87 23	0 0.00 0.00	13 7.47 61	6.83
SSW	0 0.00 0.00	1 .57 .09	1 .57 05	8 4.60 37	6 3.45 28	0 0.00 0.00	16 9.77 79	6.34
SW	0 0.00 0.00	1 .57 .09	2 1.15 09	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 1.72 14	3.90
WSW	0 0.00 0.00	1 .57 .05	1 .57 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.15 09	3.20
W	1 .57 .05	1 .57 .05	6 3.45 28	1 .57 .05	0 0.00 0.00	0 0.00 0.00	9 5.17 42	3.81
WNW	0 0.00 0.00	0 0.00 0.00	1 .57 05	4 2.87 23	0 0.00 0.00	0 0.00 0.00	5 2.87 23	5.48
NW	0 0.00 0.00	0 0.00 0.00	2 1.15 09	4 2.30 19	2 1.15 09	0 0.00 0.00	8 4.60 37	6.27
NNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	6 3.45 28	1 .57 .05	0 0.00 0.00	7 4.02 32	6.54
N	0 0.00 0.00	0 0.00 0.00	2 1.15 09	3 1.72 14	6 3.45 28	0 0.00 0.00	11 6.32 51	7.15
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	5 1.72 14	11 6.32 51	57 32.76 2.66	72 41.38 3.36	30 17.24 1.40	1 .57 .05	174 100.00 8.13	5.58

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL MAY COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.41.53

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .05	5 .23	31 1.45	43 2.01	36 1.68	13 .61	129 6.03	6.74
NE	0 0.00	15 .70	52 2.43	34 1.59	11 .51	0 0.00	112 5.23	4.87
ENE	2 .09	11 .51	29 1.35	42 1.96	27 1.26	5 .23	116 5.42	6.01
E	1 .05	7 .33	27 1.26	46 2.15	28 1.31	5 .23	114 5.32	6.25
ESE	0 0.00	6 .28	28 1.31	44 2.06	32 1.49	3 .14	113 5.28	6.37
SE	2 .09	5 .23	36 1.68	78 3.64	39 1.82	11 .51	171 7.99	6.46
SSE	1 .05	9 .42	38 1.77	53 2.48	53 2.48	15 .70	169 7.89	6.68
S	2 .09	13 .61	31 1.45	96 4.48	187 8.73	154 7.19	483 22.56	8.95
SSW	1 .05	6 .28	20 .93	47 2.20	69 3.22	84 3.92	227 10.60	8.97
SW	2 .09	5 .23	15 .70	27 1.26	14 .65	12 .56	75 3.50	6.78
WSW	1 .05	6 .28	9 .42	10 .47	7 .33	1 .05	34 1.59	5.34
W	2 .09	10 .47	24 1.12	14 .65	1 .05	0 0.00	51 2.38	4.32
WNW	1 .05	4 .19	10 .47	13 .61	4 .19	2 .09	34 1.59	5.55
NW	0 0.00	7 .33	11 .51	31 1.45	12 .56	4 .19	65 3.04	6.16
NNW	2 .09	3 .14	19 .89	53 2.48	34 1.59	2 .09	113 5.28	6.55
N	2 .09	7 .33	14 .65	47 2.20	48 2.24	17 .79	135 6.31	7.32
CALM	0 0.00						0 0.00	CALM
TOTAL	20 .93	119 5.56	394 18.40	678 31.67	602 28.12	328 15.32	2141 100.00	7.18

NUMBER OF VALID OBSERVATIONS 2141 95.92 PCT
NUMBER OF INVALID OBSERVATIONS 91 4.08 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	3	8	10	1		27	5.84
	0.00	79	2.11	2.64	1.33	.26	7.15	
	0.00	15	39	49	05	05	1.30	
NE	0	1	12	0	0	0	13	4.12
	0.00	26	3.17	0.00	0.00	0.00	3.45	
	0.00	05	59	0.00	0.00	0.00	64	
ENE	2	8	2	3	0	0	15	4.02
	26	79	2.11	79	0.00	0.00	3.96	
	05	15	39	15	0.00	0.00	74	
E	0	1	2	1	0	0	4	4.07
	0.00	26	53	26	0.00	0.00	1.06	
	0.00	05	10	05	0.00	0.00	20	
ESE	0	1	0	0	0	0	1	3.70
	0.00	26	1.85	0.00	0.00	0.00	2.11	
	0.00	05	34	0.00	0.00	0.00	39	
SE	0	2	2	0	0	0	5	4.18
	0.00	53	53	0.00	0.00	0.00	1.59	
	0.00	10	10	0.00	0.00	0.00	30	
SSE	0	3	3	1	0	0	7	5.65
	0.00	79	1.85	3.43	1.33	0.00	6.88	
	0.00	15	34	64	26	0.00	1.28	
S	1	11	5	2	0	0	19	7.29
	.05	1.32	2.90	5.54	6.33	3.17	19.53	
	0.00	24	1.00	1.06	1.18	59	3.64	
SSW	0	0	3	3	8	11	25	8.90
	0.00	0.00	3.96	3.96	10.44	14.82	33.07	
	0.00	0.00	74	74	1.58	2.11	5.28	
SW	0	5	1	8	9	4	27	7.36
	0.00	1.32	26	2.11	2.37	1.32	7.65	
	0.00	10	20	39	44	20	1.43	
WSW	0	1	0	0	1	1	3	5.69
	0.00	79	26	0.00	53	26	1.85	
	0.00	15	05	0.00	10	05	34	
W	0	4	6	4	2	0	16	4.54
	0.00	1.06	1.58	1.06	53	0.00	4.22	
	0.00	20	30	20	10	0.00	79	
WNW	0	0	0	3	0	0	3	6.61
	0.00	0.00	0.00	1.85	26	0.00	2.11	
	0.00	0.00	0.00	34	05	0.00	39	
NW	1	1	1	2	1	0	6	5.03
	.05	.05	.05	1.06	.05	0.00	1.28	
	.05	.05	.05	10	.05	0.00	30	
NNW	0	2	2	1	2	0	7	8.03
	0.00	26	26	1.58	1.33	0.00	4.76	
	0.00	05	05	30	25	0.00	15	
N	0	1	3	0	1	0	5	6.94
	0.00	.26	1.32	0.00	1.06	0.00	3.96	
	0.00	05	25	0.00	20	0.00	74	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	31	91	95	90	69	379	6.95
	.79	8.18	24.01	25.07	23.75	18.21	100.00	
	.15	1.53	4.48	4.68	4.43	3.40	18.66	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	0	1	0	2	5.60
	0.00	0.00	1.14	0.00	1.14	0.00	2.27	
	0.00	0.00	05	0.00	05	0.00	10	
NE	0	2	0	0	1	0	3	4.33
	0.00	2.27	0.00	0.00	1.14	0.00	3.41	
	0.00	10	0.00	0.00	05	0.00	15	
ENE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E	0	0	1	0	0	0	1	4.80
	0.00	0.00	1.14	0.00	0.00	0.00	1.14	
	0.00	0.00	05	0.00	0.00	0.00	05	
ESE	0	0	0	1	0	0	1	6.50
	0.00	0.00	0.00	1.14	0.00	0.00	1.14	
	0.00	0.00	0.00	05	0.00	0.00	05	
SE	0	0	0	1	1	0	2	7.75
	0.00	0.00	0.00	1.14	1.14	0.00	2.27	
	0.00	0.00	0.00	05	05	0.00	10	
SSE	0	0	1	0	2	0	3	7.37
	0.00	0.00	1.14	0.00	2.27	0.00	3.41	
	0.00	0.00	05	0.00	10	0.00	15	
S	0	1	0	5	7	5	18	8.73
	0.00	1.14	0.00	5.68	7.95	5.68	20.45	
	0.00	05	0.00	25	34	25	89	
SSW	0	0	2	3	9	5	19	8.51
	0.00	0.00	2.27	3.41	9.09	5.68	20.45	
	0.00	0.00	10	15	39	25	89	
SW	0	0	1	1	3	1	7	8.39
	0.00	0.00	1.14	1.14	3.41	1.14	7.95	
	0.00	0.00	05	05	15	05	34	
WSW	0	1	1	0	2	1	5	7.78
	0.00	1.14	1.14	0.00	2.27	1.14	5.68	
	0.00	05	05	0.00	10	05	25	
W	0	1	2	2	0	0	5	4.46
	0.00	1.14	2.27	2.27	0.00	0.00	5.68	
	0.00	05	10	10	0.00	0.00	25	
WNW	0	0	1	3	0	0	4	5.52
	0.00	0.00	1.14	3.41	0.00	0.00	4.55	
	0.00	0.00	05	15	0.00	0.00	20	
NW	0	1	2	2	3	0	8	5.95
	0.00	1.14	2.27	2.27	3.41	0.00	9.09	
	0.00	05	10	10	15	0.00	39	
NNW	0	0	1	3	3	0	7	7.11
	0.00	0.00	1.14	3.41	3.41	0.00	7.95	
	0.00	0.00	05	15	15	0.00	34	
N	0	0	2	0	2	0	4	6.92
	0.00	0.00	2.27	0.00	2.27	0.00	4.55	
	0.00	0.00	10	0.00	10	0.00	20	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	6	17	25	35	14	88	7.39
	0.00	6.82	19.32	28.41	39.77	15.91	100.00	
	0.00	30	74	1.08	1.53	69	4.33	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10:54:26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	2 2.08 10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 2.08 10	4.80
NE	0 0.00 0.00	0 0.00 0.00	2 2.08 10	1 1.04 05	0 0.00 0.00	0 0.00 0.00	3 3.13 15	4.30
ENE	0 0.00 0.00	1 1.04 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 05	2.90
E	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
ESE	0 0.00 0.00	0 0.00 0.00	1 1.04 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 05	5.10
SE	0 0.00 0.00	0 0.00 0.00	1 1.04 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 05	4.50
SSE	0 0.00 0.00	0 0.00 0.00	1 1.04 05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 05	7.36
S	0 0.00 0.00	0 0.00 0.00	1 1.04 05	3 3.12 15	6 6.25 30	0 0.00 0.00	10 10.42 49	9.12
SSW	0 0.00 0.00	0 0.00 0.00	1 1.04 05	6 6.25 30	6 6.25 30	8 8.33 38	21 21.87 1.03	8.17
SW	0 0.00 0.00	1 1.04 05	2 2.08 10	5 5.21 25	12 12.50 59	6 6.25 30	26 27.08 1.28	10.70
WSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 05	0 0.00 0.00	4 4.17 20	5 5.21 25	14.90
W	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 05	1 1.04 05	9.80
WNW	0 0.00 0.00	0 0.00 0.00	1 1.04 05	0 0.00 0.00	0 0.00 0.00	1 1.04 05	2 2.08 10	6.55
NW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 3.12 15	1 1.04 05	0 0.00 0.00	4 4.17 20	6.29
NNW	0 0.00 0.00	0 0.00 0.00	4 4.17 20	5 5.21 25	3 3.12 15	0 0.00 0.00	12 12.50 59	7.03
N	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 4.17 20	2 2.08 10	0 0.00 0.00	6 6.25 30	10.70
CALM	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.04 05	1 1.04 05	CALM
TOTAL	0 0.00 0.00	2 2.08 10	14 14.58 69	29 30.21 1.42	30 31.25 1.48	21 21.87 1.03	0.000 96 4.73	7.87

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10:54:26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 41 10	7 1.43 34	3 61 15	1 20 05	1 20 05	0 0.00 0.00	14 2.87 69	4.85
NE	1 20 05	6 1.23 29	1 20 05	0 0.00 0.00	0 0.00 0.00	1 1.64 05	8 1.64 39	4.01
ENE	0 0.00 0.00	4 82 20	1 2.05 49	2 41 10	1 41 10	0 0.00 0.00	8 1.64 39	4.23
E	0 0.00 0.00	3 61 15	1 1.64 39	4 82 20	1 20 05	2 41 10	11 3.69 89	5.13
ESE	0 0.00 0.00	2 41 10	1 1.64 39	1 20 05	1 20 05	1 20 05	6 1.23 29	5.47
SE	0 0.00 0.00	4 82 20	2 2.05 49	1 20 05	1 20 05	1 20 05	9 1.85 44	4.90
SSE	0 0.00 0.00	3 61 15	1 1.64 39	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 .82 20	4.71
S	0 0.00 0.00	2 41 10	1 1.64 39	1 20 05	2 41 10	1 20 05	7 1.44 34	6.29
SSW	1 20 05	4 82 20	1 1.64 39	2 41 10	2 41 10	0 0.00 0.00	10 2.05 49	6.39
SW	0 0.00 0.00	4 82 20	1 1.64 39	5 1.03 25	6 1.23 29	1 20 05	17 3.49 83	8.03
WSW	0 0.00 0.00	1 20 05	1 1.23 30	4 82 20	4 82 20	1 20 05	11 2.26 54	7.26
W	0 0.00 0.00	1 20 05	2 2.46 59	1 20 05	0 0.00 0.00	0 0.00 0.00	4 .82 20	5.28
WNW	1 20 05	1 20 05	1 1.23 30	1 20 05	0 0.00 0.00	0 0.00 0.00	4 .82 20	6.64
NW	1 20 05	1 20 05	1 1.23 30	1 20 05	0 0.00 0.00	0 0.00 0.00	4 .82 20	7.20
NNW	1 20 05	1 20 05	1 1.23 30	2 41 10	0 0.00 0.00	0 0.00 0.00	5 1.03 25	7.52
N	0 0.00 0.00	0 0.00 0.00	1 1.02 25	3 61 15	0 0.00 0.00	0 0.00 0.00	4 .82 20	6.08
CALM	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
TOTAL	5 1.02 25	31 6.35 1.53	97 19.88 4.78	158 32.38 7.78	110 22.54 5.42	87 17.83 4.28	488 100.00 24.03	7.06

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	2	3	3	4	0	12	6.12
	0.00	.04	.51	.51	.68	0.00	2.05	
	0.00	.10	.15	.15	.20	0.00	.59	
NE	0	0	4	9	0	1	14	4.96
	.34	0.00	.68	.85	0.00	.17	2.05	
	.10	0.00	.20	.25	0.00	.05	.59	
ENE	0	0	11	6	0	0	17	4.91
	0.00	0.00	1.88	1.03	0.00	0.00	2.91	
	0.00	0.00	.54	.30	0.00	0.00	.84	
E	0	0	5	7	1	0	13	5.83
	0.00	0.00	.85	1.20	.17	0.00	2.22	
	0.00	0.00	.25	.34	.05	0.00	.64	
ESE	0	0	4	10	3	0	17	6.17
	0.00	0.00	.68	1.71	.51	0.00	2.91	
	0.00	0.00	.20	.49	.15	0.00	.84	
SE	0	0	2	5	3	2	22	6.32
	0.00	.34	.85	1.71	.51	.34	3.76	
	0.00	.10	.25	.49	.15	.10	1.08	
SSE	0	1	4	14	5	1	57	7.90
	0.00	.17	.68	2.39	.86	.17	9.74	
	0.00	.05	.20	.69	.25	.05	2.81	
S	0	6	7	40	18	6	191	8.43
	0.00	1.03	1.20	7.00	3.15	1.03	32.65	
	0.00	.30	.34	1.97	.89	.30	9.40	
SSW	0	1	9	27	11	5	115	8.21
	0.00	.17	.86	4.62	1.88	.86	19.66	
	0.00	.05	.44	1.33	.54	.25	5.66	
SW	0	1	2	17	12	7	40	7.72
	0.00	.17	.34	2.91	2.22	1.20	6.84	
	0.00	.05	.10	.84	.64	.34	1.97	
WSW	0	1	9	5	1	0	16	4.88
	0.00	.17	1.54	.85	.17	0.00	2.74	
	0.00	.05	.44	.25	.05	0.00	.79	
W	1	2	2	2	1	0	8	5.35
	.17	0.00	.34	.34	.17	.17	1.37	
	.05	0.00	.10	.10	.05	.05	.39	
WNW	0	0	7	9	7	4	27	7.02
	0.00	0.00	.51	1.54	1.20	.34	3.59	
	0.00	0.00	.15	.44	.34	.10	1.03	
NW	0	0	3	8	5	2	18	7.84
	0.00	0.00	.34	.51	.85	.34	2.05	
	0.00	0.00	.10	.15	.25	.10	.59	
NNW	0	0	0	8	2	6	16	7.68
	0.00	0.00	.51	1.37	.34	1.03	3.25	
	0.00	0.00	.15	.39	.10	.30	.94	
N	1	1	3	4	0	0	13	6.06
	0.00	.17	.85	.51	.68	0.00	2.22	
	0.00	.05	.25	.15	.20	0.00	.64	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	15	79	172	236	80	585	7.59
	.51	2.56	13.50	29.40	40.34	13.68	100.00	
	.15	.74	3.89	8.47	11.62	3.94	28.80	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	3	2	2	0	7	6.37
	0.00	0.00	1.32	.88	.88	0.00	3.08	
	0.00	0.00	.15	.10	.10	0.00	.34	
NE	1	2	7	5	0	0	12	3.70
	.44	.88	3.08	.88	0.00	0.00	5.29	
	.05	.10	.34	.10	0.00	0.00	.59	
ENE	0	0	7	4	0	0	11	6.52
	0.00	0.00	.88	3.08	.88	0.00	4.85	
	0.00	0.00	.10	.34	.10	0.00	.54	
E	0	1	0	7	0	0	8	5.74
	0.00	.44	0.00	3.08	0.00	0.00	3.52	
	0.00	.05	0.00	.34	0.00	0.00	.39	
ESE	0	1	2	10	0	0	13	6.13
	0.00	.44	.88	4.39	0.00	0.00	5.71	
	0.00	.05	.10	.49	0.00	0.00	.64	
SE	0	1	4	11	0	0	15	5.65
	0.00	0.00	1.76	4.85	0.00	0.00	6.61	
	0.00	0.00	.20	.54	0.00	0.00	.74	
SSE	0	0	4	8	4	0	16	6.21
	0.00	0.00	1.76	3.52	1.76	0.00	7.03	
	0.00	0.00	.20	.39	.20	0.00	.79	
S	0	1	3	15	16	0	49	6.96
	0.00	.44	1.32	6.61	7.05	0.00	19.82	
	0.00	.05	.15	.74	.79	0.00	2.42	
SSW	0	1	1	5	10	0	27	7.11
	0.00	.44	.44	2.20	4.41	0.00	11.89	
	0.00	.05	.05	.25	.49	0.00	1.33	
SW	2	0	7	9	5	0	23	5.69
	.88	0.00	3.08	3.96	2.20	0.00	10.13	
	.10	0.00	.34	.44	.25	0.00	1.13	
WSW	0	2	5	2	2	0	11	5.30
	0.00	.88	1.32	2.20	.88	0.00	5.29	
	0.00	.10	.15	.25	.10	0.00	.54	
W	0	0	4	6	0	0	10	5.82
	0.00	0.00	1.76	2.64	0.00	0.00	4.41	
	0.00	0.00	.20	.30	0.00	0.00	.49	
WNW	0	0	0	1	0	0	1	5.62
	0.00	0.00	.88	1.32	.44	0.00	2.64	
	0.00	0.00	.10	.15	.05	0.00	.30	
NW	0	0	0	8	0	0	8	6.60
	0.00	0.00	0.00	.88	0.00	0.00	.88	
	0.00	0.00	0.00	.10	0.00	0.00	.10	
NNW	0	0	1	5	0	0	6	5.27
	0.00	0.00	.44	1.32	.44	0.00	2.64	
	0.00	0.00	.05	.15	.05	0.00	.30	
N	0	0	0	4	1	0	5	6.67
	0.00	0.00	0.00	1.76	.44	0.00	2.20	
	0.00	0.00	0.00	.20	.05	0.00	.25	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	9	46	121	48	0	227	6.16
	1.32	3.96	20.26	53.30	21.15	0.00	100.00	
	.15	.44	2.26	5.96	2.36	0.00	11.18	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	1 .60	4 2.38	10 5.95	2 1.19	1 .60	18 10.71	5.94
NE	0 0.00	1 .60	5 2.98	9 5.36	1 .60	0 0.00	16 9.52	4.17
ENE	0 0.00	1 .60	1 .60	3 1.79	0 0.00	0 0.00	5 2.98	3.90
E	1 .60	0 0.00	3 1.79	1 .60	0 0.00	0 0.00	5 2.98	4.55
ESE	0 0.00	4 2.38	0 0.00	3 1.79	1 .60	0 0.00	8 4.76	4.80
SE	1 .60	1 .60	1 .60	3 1.79	1 .60	0 0.00	7 4.17	5.74
SSE	1 .60	1 .60	2 1.19	6 3.57	1 .60	0 0.00	11 6.55	6.16
S	0 0.00	1 .60	2 1.19	10 5.95	1 .60	0 0.00	14 8.33	7.18
SSW	0 0.00	0 0.00	0 0.00	17 10.12	6 3.57	0 0.00	23 13.69	5.27
SW	1 .60	1 .60	1 .60	7 4.17	0 0.00	0 0.00	10 5.95	5.12
WSW	0 0.00	0 0.00	2 1.19	4 2.38	0 0.00	0 0.00	6 3.57	5.47
W	1 .60	0 0.00	1 .60	3 1.79	1 .60	0 0.00	6 3.57	4.95
WNW	2 1.19	0 0.00	1 .60	5 2.98	0 0.00	0 0.00	8 4.76	5.38
NW	1 .60	0 0.00	0 0.00	4 2.38	0 0.00	0 0.00	5 2.98	2.63
NNW	1 .60	0 0.00	1 .60	0 0.00	0 0.00	0 0.00	2 1.19	5.57
N	0 0.00	0 0.00	1 .60	3 1.79	0 0.00	0 0.00	4 2.38	8.19
CALM	0 0.00	0 0.00	0 0.00	5 2.98	9 5.36	0 0.00	14 8.33	CALM
TOTAL	9 5.36	11 6.55	34 20.24	87 51.79	26 15.48	1 .60	168 100.00	5.72

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
X.X PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JUNE COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 10.54.26

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	8 .39	28 1.38	28 1.38	15 .74	3 .15	82 4.04	5.75
NE	3 .15	7 .34	43 2.12	12 .59	1 .05	1 .05	67 3.30	4.21
ENE	2 .10	8 .39	34 1.67	19 .94	4 .20	0 0.00	67 3.30	4.69
E	0 0.00	9 .44	16 .79	22 1.08	3 .15	2 .10	52 2.56	5.22
ESE	1 .05	7 .34	23 1.13	33 1.62	9 .44	1 .05	74 3.64	5.52
SE	1 .05	9 .44	25 1.23	38 1.87	9 .44	3 .15	85 4.19	5.57
SSE	0 0.00	7 .34	30 1.48	56 2.76	60 2.95	10 .49	163 8.03	6.81
S	3 .15	17 .84	30 1.48	152 7.48	197 9.70	114 5.61	513 25.26	8.16
SSW	1 .05	8 .39	39 1.92	99 4.87	159 7.83	89 4.38	395 19.45	8.22
SW	2 .10	4 .20	23 1.13	45 2.22	34 1.67	22 1.08	130 6.40	7.24
WSW	1 .05	8 .39	16 .79	20 .98	8 .39	3 .15	56 2.76	5.64
W	4 .20	6 .30	18 .89	24 1.18	3 .15	4 .20	59 2.90	5.45
WNW	2 .10	1 .05	7 .34	32 1.58	11 .54	4 .20	57 2.81	6.53
NW	2 .10	2 .10	11 .54	24 1.18	13 .64	4 .20	56 2.76	6.54
NNW	1 .05	2 .10	12 .59	47 2.31	19 .94	9 .44	90 4.43	6.95
N	0 0.00	2 .10	21 1.03	33 1.62	26 1.28	3 .15	85 4.19	6.76
CALM	0 0.00						0 0.00	CALM
TOTAL	23 1.13	105 5.17	376 18.53	684 33.68	571 28.11	272 13.39	2031 100.00	7.03

NUMBER OF VALID OBSERVATIONS: 2031 94.03 PCT
NUMBER OF INVALID OBSERVATIONS: 129 5.97 PCT
TOTAL NUMBER OF OBSERVATIONS: 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
N	0	0	2	10	2	0	14	6.66
	0.00	0.00	.51	2.54	.51	0.00	3.55	
	0.00	0.00	.10	.49	.10	0.00	.68	
NNE	0	0	3	7	1	0	11	5.51
	0.00	0.00	.76	1.78	.25	0.00	2.79	
	0.00	0.00	.15	.34	.05	0.00	.54	
NE	0	1	5	3	3	0	22	5.86
	0.00	.25	1.27	.76	.76	0.00	5.58	
	0.00	.05	.24	.59	.15	0.00	1.07	
ENE	0	0	4	8	0	0	14	4.96
	0.00	0.00	1.02	2.03	0.00	0.00	3.55	
	0.00	0.00	.20	.39	0.00	0.00	.68	
E	1	3	5	11	4	0	24	4.08
	.25	.76	1.27	2.79	1.01	0.00	6.09	
	.05	.15	.24	.54	.20	0.00	1.17	
ESE	0	0	2	2	1	0	5	5.04
	0.00	0.00	.51	.51	.25	0.00	1.27	
	0.00	0.00	.10	.10	.05	0.00	.24	
SE	0	0	4	11	5	0	20	5.53
	0.00	0.00	1.02	2.79	1.27	0.00	5.08	
	0.00	0.00	.20	.54	.24	0.00	.98	
SSE	0	0	9	17	4	0	30	5.93
	0.00	0.00	2.28	4.31	1.01	0.00	7.62	
	0.00	0.00	.44	.83	.20	0.00	1.47	
S	2	5	11	18	4	0	40	5.58
	.51	1.27	2.79	4.57	1.01	0.00	10.16	
	.10	.24	.54	.88	.20	0.00	1.96	
SSW	1	5	10	13	3	0	32	5.38
	.25	1.27	2.54	3.30	.76	0.00	8.12	
	.05	.24	.49	.64	.15	0.00	1.57	
SW	0	0	2	3	1	0	6	5.90
	0.00	0.00	.51	.76	.25	0.00	1.52	
	0.00	0.00	.10	.15	.05	0.00	.29	
WSW	0	1	2	3	1	0	7	5.69
	0.00	.25	.51	.76	.25	0.00	1.78	
	0.00	.05	.10	.15	.05	0.00	.34	
W	0	1	2	3	0	0	6	5.31
	0.00	.25	.51	.76	0.00	0.00	1.52	
	0.00	.05	.10	.15	0.00	0.00	.29	
WNW	0	2	3	5	1	0	16	5.37
	0.00	.51	.76	1.27	.25	0.00	4.06	
	0.00	.10	.15	.24	.05	0.00	.78	
NW	0	1	4	3	1	0	9	4.34
	0.00	.25	1.02	.76	.25	0.00	2.28	
	0.00	.05	.20	.15	.05	0.00	.44	
NNW	0	1	3	1	0	0	5	1.30
	0.00	.25	.76	.25	0.00	0.00	1.27	
	0.00	.05	.15	.05	0.00	0.00	.24	
N	1	0	0	0	0	0	1	5.61
	.25	0.00	0.00	0.00	0.00	0.00	.25	
	.05	0.00	0.00	0.00	0.00	0.00	.05	
CALM	1	0	0	2	0	0	10	CALM
	.25	0.00	0.00	.51	0.00	0.00	2.54	
	.05	0.00	0.00	.10	0.00	0.00	.49	
							0	
	0.00						0.00	
	0.00						0.00	
TOTAL	20	77	183	75	37		394	6.63
	5.08	19.54	46.45	19.04	9.39		100.00	
	.98	3.76	8.94	3.66	1.81		19.24	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
N	0	1	0	5	2	1	9	7.09
	0.00	1.00	0.00	5.00	2.00	1.00	9.00	
	0.00	.05	0.00	.24	.10	.05	.43	
NNE	0	1	1	1	0	0	3	3.53
	0.00	1.00	1.00	1.00	0.00	0.00	3.00	
	0.00	.05	.05	.05	0.00	0.00	.15	
NE	0	1	0	0	0	0	1	1.60
	0.00	1.00	0.00	0.00	0.00	0.00	1.00	
	0.00	.05	0.00	0.00	0.00	0.00	.05	
ENE	0	0	2	0	0	0	2	6.15
	0.00	0.00	2.00	0.00	0.00	0.00	2.00	
	0.00	0.00	.10	0.00	0.00	0.00	.10	
E	0	1	1	1	0	0	3	4.30
	0.00	1.00	1.00	1.00	0.00	0.00	3.00	
	0.00	.05	.05	.05	0.00	0.00	.15	
ESE	0	0	1	0	1	0	2	5.35
	0.00	0.00	1.00	1.00	0.00	0.00	2.00	
	0.00	0.00	.05	.05	0.00	0.00	.10	
SE	0	2	3	5	1	0	11	5.43
	0.00	2.00	3.00	5.00	1.00	0.00	11.00	
	0.00	.10	.15	.24	.05	0.00	.54	
SSE	0	1	4	14	4	0	34	7.25
	0.00	1.00	4.00	14.00	4.00	0.00	34.00	
	0.00	.05	.20	.68	.20	0.00	1.66	
S	0	1	4	8	9	1	23	6.99
	0.00	1.00	4.00	8.00	9.00	1.00	23.00	
	0.00	.05	.20	.39	.44	.05	1.13	
SSW	0	0	1	2	0	0	3	6.17
	0.00	0.00	1.00	2.00	0.00	0.00	3.00	
	0.00	0.00	.05	.10	0.00	0.00	.15	
SW	0	0	1	1	0	0	2	5.50
	0.00	0.00	1.00	1.00	0.00	0.00	2.00	
	0.00	0.00	.05	.05	0.00	0.00	.10	
WSW	0	0	0	2	1	0	3	6.80
	0.00	0.00	0.00	2.00	1.00	0.00	3.00	
	0.00	0.00	0.00	.10	.05	0.00	.15	
W	0	0	1	0	0	0	1	3.30
	0.00	0.00	1.00	0.00	0.00	0.00	1.00	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
WNW	0	0	0	1	0	0	1	6.40
	0.00	0.00	0.00	1.00	0.00	0.00	1.00	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
NW	0	0	1	1	0	0	2	5.00
	0.00	0.00	1.00	1.00	0.00	0.00	2.00	
	0.00	0.00	.05	.05	0.00	0.00	.10	
NNW	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	8	18	44	24	6		100	6.48
	8.00	18.00	44.00	24.00	6.00		100.00	
	.39	.88	2.15	1.17	.29		4.88	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	4 .21 .80 .59	1 .05 .05 .01	1 .05 .05 .01	6 .32 .29 .06	7.17
NE	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	3 .16 .60 .44	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	3 .16 .15 .03	6.00
ENE	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	1 .05 .05 .01	3 .16 .60 .44	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	4 .21 .20 .03	6.02
E	1 .05 .05 .01	0 .00 0 .00 0 .00	1 .05 .05 .01	1 .05 .20 .15	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	3 .16 .15 .02	3.93
ESE	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	1 .05 .05 .01	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	1 .05 .05 .01	4.80
SE	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	1 .05 .05 .01	1 .05 .20 .15	0 .00 0 .00 0 .00	1 .05 .20 .02	3 .16 .15 .02	8.30
SSE	0 .00 0 .00 0 .00	3 .16 .15 .02	1 .05 .05 .01	3 .16 .60 .44	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	7 .37 .34 .05	4.34
S	0 .00 0 .00 0 .00	2 .11 .10 .01	2 .11 .10 .01	17 .89 3.39 2.50	3 .16 .60 .44	1 .05 .20 .15	26 1.37 5.00 3.82	6.28
SSW	0 .00 0 .00 0 .00	2 .11 .10 .01	3 .16 .15 .02	7 .37 1.39 1.03	8 .42 1.59 1.18	0 .00 0 .00 0 .00	21 1.11 4.03 3.09	6.48
SW	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	3 .16 .60 .44	2 .11 .40 .29	0 .00 0 .00 0 .00	5 .26 1.00 .74	7.26
WSW	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0.00
W	0 .00 0 .00 0 .00	3 .16 .15 .02	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	3 .16 .15 .02	2.37
WNW	0 .00 0 .00 0 .00	1 .05 .05 .01	1 .05 .05 .01	1 .05 .20 .15	1 .05 .20 .15	0 .00 0 .00 0 .00	4 .21 .80 .59	5.42
NW	1 .05 .05 .01	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	2 .11 .40 .29	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	3 .16 .60 .44	4.67
NNW	1 .05 .05 .01	1 .05 .05 .01	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	2 .11 .40 .29	1.95
N	1 .05 .05 .01	1 .05 .05 .01	1 .05 .05 .01	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	3 .16 .60 .44	6.67
CALM	0 .00 0 .00 0 .00						0 .00 0 .00 0 .00	CALM
TOTAL	4 .21 .20	13 .68 .65	12 .63 .59	47 2.47 2.30	15 .79 .73	6 .32 .29	100 5.26 4.84	5.95

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	4 .21 .80 .59	8 .42 1.74 1.18	7 .37 1.53 1.03	1 .05 .20 .15	20 1.05 4.35 2.95	6.97
NE	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	8 .42 1.61 1.18	7 .37 1.52 1.03	1 .05 .20 .15	0 .00 0 .00 0 .00	16 .84 3.48 2.36	5.77
ENE	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	6 .32 1.21 .89	3 .16 .65 .44	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	9 .47 1.96 1.33	5.71
E	0 .00 0 .00 0 .00	5 .26 1.01 .74	3 .16 .61 .44	4 .21 .87 .59	1 .05 .22 .15	0 .00 0 .00 0 .00	13 .68 2.83 1.92	4.53
ESE	0 .00 0 .00 0 .00	1 .05 .20 .15	3 .16 .61 .44	2 .11 .43 .29	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	6 .32 1.31 .89	4.48
SE	2 .11 .40 .29	3 .16 .61 .44	1 .05 .20 .15	1 .05 .22 .15	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	7 .37 1.52 1.03	3.90
SSE	1 .05 .20 .15	4 .21 .81 .59	1 .05 .20 .15	1 .05 .22 .15	1 .05 .22 .15	0 .00 0 .00 0 .00	8 .42 1.74 1.18	4.82
S	0 .00 0 .00 0 .00	1 .05 .20 .15	1 .05 .20 .15	1 .05 .22 .15	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	3 .16 .65 .44	7.30
SSW	0 .00 0 .00 0 .00	1 .05 .20 .15	1 .05 .20 .15	10 .53 2.17 1.48	4 .21 .87 .59	4 .21 .87 .59	20 1.05 4.35 2.95	6.88
SW	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	2 .11 .40 .29	6 .32 1.30 .89	5 .26 1.09 .74	1 .05 .22 .15	14 .74 3.04 2.07	5.08
WSW	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	1 .05 .20 .15	3 .16 .65 .44	1 .05 .22 .15	0 .00 0 .00 0 .00	5 .26 1.09 .74	6.09
W	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	2 .11 .40 .29	3 .16 .65 .44	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	5 .26 1.09 .74	6.85
WNW	2 .11 .40 .29	0 .00 0 .00 0 .00	2 .11 .40 .29	1 .05 .22 .15	1 .05 .22 .15	0 .00 0 .00 0 .00	6 .32 1.31 .89	7.83
NW	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	2 .11 .40 .29	4 .21 .87 .59	1 .05 .22 .15	0 .00 0 .00 0 .00	7 .37 1.52 1.03	7.04
NNW	0 .00 0 .00 0 .00	2 .11 .40 .29	2 .11 .40 .29	1 .05 .22 .15	1 .05 .22 .15	0 .00 0 .00 0 .00	6 .32 1.31 .89	6.58
N	2 .11 .40 .29	0 .00 0 .00 0 .00	0 .00 0 .00 0 .00	4 .21 .87 .59	3 .16 .65 .44	1 .05 .22 .15	10 .53 2.17 1.48	7.08
CALM	0 .00 0 .00 0 .00	2 .11 .40 .29	3 .16 .61 .44	1 .05 .22 .15	3 .16 .65 .44	0 .00 0 .00 0 .00	9 .47 1.96 1.33	CALM
TOTAL	1 .05 .24	9 .47 1.95	22 1.16 4.93	37 1.95 8.45	22 1.16 4.98	8 .42 1.86	100 5.26 22.41	6.28

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	2	9	3	0	14	6.49
	0.00	0.22	0.45	2.01	0.67	0.00	3.13	
	0.00	0.51	0.85	4.44	1.54	0.00	6.88	
NE	0	4	4	7	1	0	16	4.58
	0.00	0.89	0.89	1.56	0.22	0.00	3.57	
	0.00	2.05	2.05	3.59	0.51	0.00	8.21	
ENE	0	2	3	9	2	0	16	5.98
	0.00	0.45	0.67	2.01	0.45	0.00	3.57	
	0.00	1.03	1.54	4.62	1.03	0.00	8.21	
E	0	6	7	19	3	0	35	6.07
	0.00	1.34	1.56	4.24	0.67	0.00	7.81	
	0.00	3.08	3.59	9.74	1.54	0.00	17.95	
ESE	0	4	6	7	2	0	19	6.08
	0.00	0.89	1.34	1.56	0.45	0.00	4.24	
	0.00	2.05	3.08	3.59	1.03	0.00	9.74	
SE	0	4	5	8	1	0	18	5.81
	0.00	0.89	1.12	1.79	0.22	0.00	4.02	
	0.00	2.05	2.56	4.10	0.51	0.00	9.23	
SSE	0	5	6	11	2	0	24	6.25
	0.00	1.12	1.34	2.46	0.45	0.00	5.36	
	0.00	2.56	3.08	5.64	1.03	0.00	12.31	
S	0	10	11	16	4	1	42	7.08
	0.00	2.23	2.46	3.57	0.89	0.22	9.38	
	0.00	5.13	5.64	8.21	2.05	0.51	21.54	
SSW	0	4	5	10	4	2	25	7.30
	0.00	0.89	1.12	2.23	0.89	0.45	5.58	
	0.00	2.05	2.56	5.13	2.05	1.03	12.82	
SW	0	0	4	5	1	1	11	5.88
	0.00	0.00	0.89	1.12	0.22	0.22	2.46	
	0.00	0.00	2.05	2.56	0.51	0.51	5.64	
WSW	0	4	4	1	0	0	9	5.15
	0.00	0.89	0.89	0.22	0.00	0.00	2.01	
	0.00	2.05	2.05	0.51	0.00	0.00	4.62	
W	0	2	3	6	1	0	12	6.70
	0.00	0.45	0.67	1.34	0.22	0.00	2.68	
	0.00	1.03	1.54	3.08	0.51	0.00	6.15	
WNW	0	0	6	7	2	0	15	6.38
	0.00	0.00	1.34	1.56	0.45	0.00	3.35	
	0.00	0.00	3.08	3.59	1.03	0.00	7.69	
NW	0	0	2	6	1	0	9	7.37
	0.00	0.00	0.45	1.34	0.22	0.00	2.01	
	0.00	0.00	1.03	3.08	0.51	0.00	4.62	
NNW	0	0	0	4	1	0	5	5.75
	0.00	0.00	0.00	0.89	0.22	0.00	1.12	
	0.00	0.00	0.00	2.05	0.51	0.00	2.56	
N	1	0	0	4	0	0	5	4.86
	0.22	0.00	0.00	0.89	0.00	0.00	1.12	
	0.51	0.00	0.00	2.05	0.00	0.00	2.56	
CALM	0	0	2	6	1	0	9	7.45
	0.00	0.00	0.45	1.34	0.22	0.00	2.01	
	0.00	0.00	1.03	3.08	0.51	0.00	4.62	
							0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	21	70	224	121	10	448	6.49
	0.22	4.69	15.63	50.00	27.01	2.23	100.00	
	0.51	10.77	35.90	114.87	62.05	5.13	229.74	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	3	7	1	9	20	8.48
	0.00	0.00	0.85	1.97	0.28	2.54	5.63	
	0.00	0.00	0.85	1.97	0.28	2.54	5.63	
NE	0	0	1	3	0	0	4	4.79
	0.00	0.00	0.28	0.85	0.00	0.00	1.13	
	0.00	0.00	0.28	0.85	0.00	0.00	1.13	
ENE	0	0	1	2	0	0	3	5.67
	0.00	0.00	0.28	0.56	0.00	0.00	0.85	
	0.00	0.00	0.28	0.56	0.00	0.00	0.85	
E	0	0	1	2	0	0	3	7.13
	0.00	0.00	0.28	0.56	0.00	0.00	0.85	
	0.00	0.00	0.28	0.56	0.00	0.00	0.85	
ESE	0	0	1	4	3	0	8	6.58
	0.00	0.00	0.28	1.13	0.85	0.00	2.26	
	0.00	0.00	0.28	1.13	0.85	0.00	2.26	
SE	0	2	1	4	1	0	8	5.95
	0.00	0.56	0.28	1.13	0.28	0.00	2.26	
	0.00	1.41	0.70	2.82	0.70	0.00	5.63	
SSE	0	1	2	5	1	0	9	6.43
	0.00	0.28	0.56	1.41	0.28	0.00	2.54	
	0.00	0.70	1.41	3.52	0.70	0.00	6.34	
S	0	2	2	5	2	0	11	6.67
	0.00	0.56	0.56	1.41	0.56	0.00	3.10	
	0.00	1.41	1.41	3.52	1.41	0.00	7.75	
SSW	0	2	2	5	1	0	10	7.35
	0.00	0.56	0.56	1.41	0.28	0.00	2.82	
	0.00	1.41	1.41	3.52	0.70	0.00	7.04	
SW	0	0	0	5	2	0	7	6.64
	0.00	0.00	0.00	1.41	0.56	0.00	1.97	
	0.00	0.00	0.00	3.52	1.41	0.00	4.93	
WSW	0	0	0	2	1	0	3	6.07
	0.00	0.00	0.00	0.56	0.28	0.00	0.85	
	0.00	0.00	0.00	1.41	0.70	0.00	2.11	
W	0	0	1	2	0	0	3	6.15
	0.00	0.00	0.28	0.56	0.00	0.00	0.85	
	0.00	0.00	0.70	1.41	0.00	0.00	2.11	
WNW	0	0	0	2	0	0	2	4.90
	0.00	0.00	0.00	0.56	0.00	0.00	0.56	
	0.00	0.00	0.00	1.41	0.00	0.00	1.41	
NW	0	0	0	2	0	0	2	7.27
	0.00	0.00	0.00	0.56	0.00	0.00	0.56	
	0.00	0.00	0.00	1.41	0.00	0.00	1.41	
NNW	0	0	0	1	0	0	1	4.80
	0.00	0.00	0.00	0.28	0.00	0.00	0.28	
	0.00	0.00	0.00	0.70	0.00	0.00	0.70	
N	0	0	1	3	0	0	4	7.34
	0.00	0.00	0.28	0.85	0.00	0.00	1.13	
	0.00	0.00	0.70	2.11	0.00	0.00	2.82	
CALM	0	0	1	2	1	0	4	CALM
	0.00	0.00	0.28	0.56	0.28	0.00	1.13	
	0.00	0.00	0.70	1.41	0.70	0.00	2.82	
							0	
	0.00						0.00	
	0.00						0.00	
TOTAL	0	5	16	48	13	0	82	6.68
	0.00	1.41	4.51	13.52	3.66	0.00	23.10	
	0.00	3.52	11.27	33.80	9.15	0.00	57.75	
	0	188	93	13	355			
	0.00	52.96	26.20	3.66	100.00			
	0.00	132.39	65.49	9.15	249.65			

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	0	4	2	1	8	7.14
	0.00	.51	0.00	2.03	1.02	.51	4.06	
	0.00	.05	0.00	.20	.10	.05	.39	
NE	0	0	4	7	0	0	11	5.55
	0.00	0.00	2.03	3.55	0.00	0.00	5.58	
	0.00	0.00	.20	.34	0.00	0.00	.54	
ENE	0	1	5	8	4	1	19	7.16
	0.00	.51	1.02	4.06	3.55	.51	9.64	
	0.00	.05	.10	.39	.34	.05	.93	
E	0	0	5	6	6	0	19	7.40
	0.00	0.00	1.02	3.05	5.58	0.00	9.64	
	0.00	0.00	.10	.29	.58	0.00	.93	
ESE	0	1	4	5	3	1	14	6.04
	0.00	.51	2.03	2.54	1.52	.51	7.11	
	0.00	.05	.20	.24	.15	.05	.68	
SE	0	0	3	8	3	1	15	6.56
	0.00	0.00	1.52	4.06	1.52	.51	7.61	
	0.00	0.00	.15	.39	.15	.05	.73	
SSE	0	0	3	7	10	3	23	7.10
	0.00	0.00	1.52	3.55	6.60	0.00	11.68	
	0.00	0.00	.15	.34	.63	0.00	1.12	
S	1	1	2	10	13	0	27	7.38
	.05	.51	.51	5.08	6.60	0.00	12.69	
	.05	.05	.05	.49	.63	0.00	1.22	
SSW	0	1	2	10	6	2	21	6.98
	0.00	.51	1.02	5.08	3.05	1.02	10.66	
	0.00	.05	.10	.49	.29	.10	1.03	
SW	0	0	1	7	7	1	16	6.91
	0.00	0.00	.51	3.55	3.55	.51	8.12	
	0.00	0.00	.05	.34	.34	.05	1.12	
WSW	0	0	0	2	0	0	2	5.70
	0.00	0.00	0.00	1.02	0.00	0.00	1.02	
	0.00	0.00	0.00	.10	0.00	0.00	.10	
W	0	0	0	1	1	0	2	7.25
	0.00	0.00	0.00	.51	.51	0.00	1.02	
	0.00	0.00	0.00	.05	.05	0.00	.10	
WNW	0	0	0	2	1	0	3	6.33
	0.00	0.00	0.00	1.02	.51	0.00	1.52	
	0.00	0.00	0.00	.10	.05	0.00	.15	
NW	0	0	0	2	0	0	2	5.30
	0.00	0.00	0.00	1.02	0.00	0.00	1.02	
	0.00	0.00	0.00	.10	0.00	0.00	.10	
NNW	0	0	0	2	0	0	2	6.35
	0.00	0.00	0.00	1.02	0.00	0.00	1.02	
	0.00	0.00	0.00	.10	0.00	0.00	.10	
N	0	0	1	4	2	1	8	7.57
	0.00	0.00	.51	2.03	1.02	.51	4.06	
	0.00	0.00	.05	.20	.10	.05	.39	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	5	23	92	69	8	197	6.90
	.05	2.54	11.68	46.70	35.03	4.06	100.00	
	.05	.24	1.12	4.49	3.37	.39	9.62	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL JULY COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.42.02

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	3	10	47	18	13	91	7.22
	0.00	.15	.49	2.29	.88	.63	4.44	
NE	0	5	19	39	3	0	66	5.23
	0.00	.24	.93	1.90	.15	0.00	3.22	
ENE	0	8	30	57	17	4	116	6.00
	0.00	.39	1.46	2.78	.82	.20	5.66	
E	1	14	37	68	30	3	151	5.93
	.05	.68	1.81	3.32	1.46	.15	7.37	
ESE	2	21	45	30	27	4	129	5.35
	.10	1.03	2.20	1.46	1.32	.20	6.30	
SE	1	8	32	59	23	4	127	5.98
	.05	.39	1.56	2.88	1.12	.20	6.20	
SSE	0	13	26	83	37	1	172	6.26
	0.00	.63	1.86	4.05	1.81	.05	8.40	
S	0	13	41	260	148	49	511	7.20
	0.00	.63	2.00	12.70	7.23	2.39	24.95	
SSW	1	10	34	150	113	27	335	7.27
	.05	.49	1.66	7.32	5.52	1.32	16.36	
SW	0	3	24	61	21	3	112	6.26
	0.00	.15	1.17	2.98	1.03	.15	5.47	
WSW	0	1	12	21	10	0	44	6.13
	0.00	.05	.59	1.03	.49	0.00	2.15	
W	1	5	11	14	13	2	46	5.95
	.05	.24	.54	.68	.63	.10	2.25	
WNW	0	2	9	10	13	0	34	6.42
	0.00	.10	.44	.49	.63	0.00	1.66	
NW	2	2	5	15	10	0	34	6.11
	.10	.10	.24	.73	.49	0.00	1.66	
NNW	4	1	3	13	2	1	25	5.22
	.20	.05	.15	.63	.15	.05	1.22	
N	1	3	7	24	13	7	55	6.91
	.05	.15	.34	1.17	.63	.34	2.69	
CALM	0						0	CALM
	0.00						0.00	
TOTAL	13	112	357	949	499	118	2048	6.52
	.63	5.47	17.43	46.34	24.37	5.76	100.00	

NUMBER OF VALID OBSERVATIONS: 2048 — 91.76 PCT
NUMBER OF INVALID OBSERVATIONS: 184 — 8.24 PCT
TOTAL NUMBER OF OBSERVATIONS: 2232 — 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.51.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	1	0	1	3	0	6	5.73
	.35	.35	0.00	.35	1.04	0.00	2.08	
	.05	.05	0.00	.05	.14	0.00	.29	
NE	2	0	3	1	6	0	12	4.94
	.35	0.00	1.04	1.74	0.00	0.00	3.13	
	.05	0.00	.14	.24	0.00	0.00	.43	
ENE	1	0	1	0	0	0	2	2.95
	.35	0.00	.35	0.00	0.00	0.00	.69	
	.05	0.00	.05	0.00	0.00	0.00	.10	
E	1	0	1	1	1	0	4	5.72
	.35	0.00	.35	.35	.35	0.00	1.39	
	.05	0.00	.05	.05	.05	0.00	.19	
ESE	0	0	0	0	0	0	0	3.07
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SE	2	6	2	0	1	0	11	4.32
	.70	2.09	.70	0.00	.35	0.00	3.83	
	.10	.29	.10	0.00	.05	0.00	.14	
SSE	1	4	1	1	1	0	8	6.46
	.35	1.39	.35	.35	.35	0.00	2.78	
	.05	.19	.05	.05	.05	0.00	.38	
S	1	4	10	28	24	20	89	7.49
	.35	1.39	3.48	9.72	8.33	6.94	30.90	
	.05	.19	.48	1.34	1.15	.98	4.29	
SSW	0	1	8	13	22	7	51	6.99
	0.00	.35	2.78	4.51	7.64	2.43	17.71	
	0.00	.05	.38	.62	1.06	.34	2.46	
SW	1	2	6	6	3	1	19	5.09
	.35	.69	2.08	2.08	1.04	.35	6.60	
	.05	.10	.29	.29	.14	.05	.92	
WSW	0	0	0	0	0	0	0	3.00
	0.00	.35	0.00	0.00	0.00	0.00	.35	
	0.00	.05	0.00	0.00	0.00	0.00	.05	
W	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WNW	0	3	2	0	0	0	5	3.42
	0.00	1.04	.69	0.00	0.00	0.00	1.74	
	0.00	.14	.10	0.00	0.00	0.00	.24	
NW	0	0	2	2	2	0	6	7.64
	0.00	0.00	.69	.69	1.04	0.00	3.12	
	0.00	0.00	.10	.10	.14	0.00	.43	
NNW	0	3	4	3	3	1	14	6.06
	0.00	1.04	1.39	1.04	1.04	.35	4.86	
	0.00	.14	.19	.14	.14	.05	.67	
N	1	3	1	4	2	0	11	4.78
	.35	1.04	.35	1.39	.69	0.00	3.82	
	.05	.14	.05	.19	.10	0.00	.53	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	7	28	31	110	67	27	288	6.49
	2.43	9.03	10.76	38.19	23.26	9.37	100.00	
	.34	1.25	1.45	5.28	3.22	1.30	13.83	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.51.50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	0	0	2	0	2	8.90
	0.00	0.00	0.00	0.00	1.56	0.00	1.56	
	0.00	0.00	0.00	0.00	.10	0.00	.10	
NE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ENE	0	0	1	0	1	0	2	6.05
	0.00	0.00	.78	0.00	.78	0.00	1.56	
	0.00	0.00	.05	0.00	.05	0.00	.10	
E	0	0	1	0	0	0	1	4.50
	0.00	0.00	.78	0.00	0.00	0.00	.78	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
ESE	0	1	2	0	0	0	3	3.63
	0.00	.78	1.56	0.00	0.00	0.00	2.34	
	0.00	.05	.10	0.00	0.00	0.00	.14	
SE	0	2	3	3	0	0	8	4.35
	0.00	1.56	2.34	2.34	0.00	0.00	6.25	
	0.00	.10	.14	.14	0.00	0.00	.38	
SSE	0	0	0	1	1	0	2	8.53
	0.00	0.00	0.00	.78	.78	0.00	2.34	
	0.00	0.00	0.00	.05	.05	0.00	.14	
S	0	0	0	11	8	5	45	7.47
	0.00	0.00	0.00	8.59	6.25	3.91	35.16	
	0.00	0.00	0.00	.53	.38	.24	2.16	
SSW	0	0	3	12	9	3	27	7.33
	0.00	0.00	2.34	9.38	7.03	2.34	21.09	
	0.00	0.00	.14	.77	.43	.14	1.49	
SW	0	1	4	5	3	0	13	6.01
	0.00	.78	3.13	3.91	2.34	0.00	10.16	
	0.00	.05	.19	.24	.14	0.00	.62	
WSW	0	1	1	0	0	0	2	2.85
	0.00	.78	.78	0.00	0.00	0.00	1.56	
	0.00	.05	.05	0.00	0.00	0.00	.10	
W	0	3	2	0	0	0	5	2.62
	0.00	2.34	1.56	0.00	0.00	0.00	3.91	
	0.00	.14	.10	0.00	0.00	0.00	.24	
WNW	1	1	0	0	0	0	2	1.85
	.78	.78	0.00	0.00	0.00	0.00	1.56	
	.05	.05	0.00	0.00	0.00	0.00	.10	
NW	0	1	1	0	2	0	4	5.80
	0.00	.78	.78	0.00	1.56	0.00	3.13	
	0.00	.05	.05	0.00	.10	0.00	.19	
NNW	0	0	1	1	0	0	2	8.25
	0.00	0.00	.78	.78	0.00	0.00	1.56	
	0.00	0.00	.05	.05	0.00	0.00	.10	
N	0	0	0	1	0	0	1	5.44
	0.00	0.00	0.00	.78	0.00	0.00	.78	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	10	23	37	24	12	128	6.54
	.78	7.81	25.78	28.91	26.56	10.16	100.00	
	.05	.48	1.59	1.78	1.63	.82	6.15	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13:51:50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO.: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	1 .69 .05	2 2.07 .14	1 .69 .05	0 0.00 0.00	5 3.45 .24	6.68
NE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4.25
ENE	0 0.00 0.00	1 .69 .05	1 1.38 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 1.38 .10	5.49
E	0 0.00 0.00	1 .69 .05	1 .69 .05	3 1.38 .10	0 0.00 0.00	0 0.00 0.00	5 2.76 .19	5.05
ESE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
SE	0 0.00 0.00	1 .69 .05	1 .69 .05	2 1.38 .10	1 .69 .05	0 0.00 0.00	5 3.45 .24	6.32
SSE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
S	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
SSW	0 0.00 0.00	0 0.00 0.00	1 .69 .05	1 .69 .05	1 .69 .05	0 0.00 0.00	3 2.07 .14	6.42
SW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
WSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
W	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
WNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
NW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
NNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	CALM
N	0 0.00 0.00	1 .69 .05	2 1.38 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 2.07 .14	3.58
CALM	0 0.00 0.00						0 0.00 0.00	
TOTAL	1 .38 .10	4 1.38 .29	21 14.48 1.49	35 24.14 2.45	25 17.24 1.78	12 8.28 .86	145 100.00 6.96	6.95

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13:51:50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO.: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	2 .42 .10	12 2.53 .58	14 2.95 .67	4 .84 .19	3 .63 .14	35 7.37 1.68	5.97
NE	0 0.00 0.00	4 .84 .19	11 2.32 .53	13 2.74 .62	4 .84 .19	1 .21 .05	33 6.95 1.58	5.54
ENE	0 0.00 0.00	4 .84 .19	10 2.11 .48	15 3.16 .72	5 1.05 .24	1 .21 .05	35 7.37 1.68	5.61
E	0 0.00 0.00	3 .63 .14	9 1.89 .43	11 2.32 .53	3 .63 .14	0 0.00 0.00	26 5.47 1.24	5.35
ESE	1 .21 .05	4 .84 .19	9 1.89 .43	14 2.95 .67	7 1.47 .34	0 0.00 0.00	35 7.37 1.68	5.34
SE	1 .21 .05	2 .42 .10	6 1.26 .29	7 1.47 .34	3 .63 .14	0 0.00 0.00	19 4.00 .91	5.50
SSE	0 0.00 0.00	2 .42 .10	8 1.68 .38	8 1.68 .38	3 .63 .14	0 0.00 0.00	21 4.42 1.01	6.26
S	0 0.00 0.00	4 .84 .19	10 2.11 .48	19 4.00 .91	5 1.05 .24	1 .21 .05	39 8.21 1.87	7.36
SSW	0 0.00 0.00	2 .42 .10	12 2.53 .58	8 1.68 .38	4 .84 .19	1 .21 .05	27 5.68 1.30	6.84
SW	1 .21 .05	4 .84 .19	11 2.32 .53	6 1.26 .29	4 .84 .19	1 .21 .05	27 5.68 1.30	5.32
WSW	0 0.00 0.00	1 .21 .05	2 .42 .10	2 .42 .10	2 .42 .10	0 0.00 0.00	7 1.47 .34	5.56
W	0 0.00 0.00	1 .21 .05	2 .42 .10	1 .21 .05	1 .21 .05	0 0.00 0.00	5 1.05 .24	4.50
WNW	0 0.00 0.00	3 .63 .14	2 .42 .10	1 .21 .05	1 .21 .05	0 0.00 0.00	7 1.47 .34	6.00
NW	0 0.00 0.00	0 0.00 0.00	1 .21 .05	1 .21 .05	1 .21 .05	0 0.00 0.00	3 .63 .14	6.70
NNW	0 0.00 0.00	1 .21 .05	2 .42 .10	4 .84 .19	1 .21 .05	0 0.00 0.00	8 1.68 .38	6.90
N	0 0.00 0.00	0 0.00 0.00	2 .42 .10	3 .63 .14	1 .21 .05	1 .21 .05	7 1.47 .34	7.22
CALM	0 0.00 0.00	2 .42 .10	2 .42 .10	3 .63 .14	2 .42 .10	2 .42 .10	11 2.32 .53	CALM
TOTAL	4 .84 .19	36 7.58 1.73	110 23.16 5.28	203 42.74 9.75	85 17.89 4.08	37 7.79 1.78	475 100.00 22.81	6.23

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.51.50.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	8	12	3	1	25	6.06
	0.000	.18	1.40	2.10	.53	.18	4.38	
	0.000	.05	.28	.58	.14	.05	1.20	
NE	0	3	6	4	1	0	16	4.56
	0.000	.53	1.40	.70	.18	.00	2.80	
	0.000	.14	.38	.19	.05	.00	.77	
ENE	0	3	6	11	3	0	23	5.23
	0.000	.53	1.40	1.93	.18	0.000	4.03	
	0.000	.14	.38	.53	.05	0.000	1.10	
E	0	2	5	10	3	0	20	6.30
	0.000	.35	.89	2.63	.53	.00	4.40	
	0.000	.10	.24	.58	.14	.00	1.15	
ESE	0	2	2	11	5	0	18	5.81
	0.000	.35	.35	1.93	.88	.00	3.15	
	0.000	.10	.10	.53	.24	.00	.86	
SE	0	3	5	10	3	0	21	5.21
	0.000	.53	1.23	3.50	.53	.00	5.51	
	0.000	.14	.34	.96	.14	.00	1.49	
SSE	0	2	4	10	4	0	21	6.94
	0.000	.35	1.75	5.43	.70	.00	7.73	
	0.000	.10	.48	1.49	.19	.00	3.52	
S	0	0	1	16	6	10	34	8.11
	0.000	0.000	.50	4.42	1.83	2.76	9.56	
	0.000	0.000	.17	.51	.10	.19	.91	
SSW	0	1	2	8	1	2	15	6.82
	0.000	.18	.98	2.93	.35	.70	4.37	
	0.000	.05	.05	.24	.05	.10	.48	
SW	0	1	2	2	0	0	5	4.83
	0.000	.18	.70	.70	.00	.00	1.80	
	0.000	.05	.19	.19	.00	.00	.96	
WSW	0	1	0	1	0	0	2	5.40
	0.000	.18	.00	.35	.00	.00	.53	
	0.000	.05	.00	.10	.00	.00	.29	
W	0	0	1	0	0	0	1	4.90
	0.000	0.000	.18	0.000	0.000	0.000	.18	
	0.000	0.000	.05	0.000	0.000	0.000	.05	
WNW	0	1	3	1	0	0	5	6.16
	0.000	.18	.53	.18	.00	.00	1.58	
	0.000	.05	.14	.05	.00	.00	.42	
NW	1	0	2	3	1	0	7	5.64
	.18	0.000	.53	.35	.18	.00	1.23	
	.05	0.000	.14	.10	.05	.00	.34	
NNW	0	1	0	1	0	0	2	6.77
	0.000	.18	0.000	.35	.00	.00	.53	
	0.000	.05	0.000	.10	.00	.00	.14	
N	0	0	1	2	1	0	4	7.10
	0.000	0.000	.18	.70	.18	.00	1.05	
	0.000	0.000	.05	.19	.05	.00	.29	
CALM	0	0	0	0	0	0	0	CALM
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
TOTAL	1	21	102	271	91	85	571	6.88
	.18	3.68	17.86	47.46	15.94	14.89	100.00	
	.05	1.01	4.90	13.02	4.37	4.08	27.43	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.51.50.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	3	2	0	1	6	5.77
	0.000	0.000	.98	.65	.00	.33	1.96	
	0.000	0.000	.14	.10	.00	.05	.29	
NE	0	2	4	2	0	0	8	4.26
	0.000	.65	1.31	1.31	0.000	0.000	3.27	
	0.000	.10	.19	.19	0.000	0.000	.48	
ENE	0	0	3	4	1	0	8	8.61
	0.000	0.000	0.000	.98	1.31	.33	2.61	
	0.000	0.000	0.000	.14	.19	.05	.38	
E	0	1	1	7	4	1	14	6.85
	0.000	.33	.33	2.29	1.31	.33	4.58	
	0.000	.05	.05	.34	.19	.05	.67	
ESE	0	0	2	1	4	1	8	7.87
	0.000	0.000	.65	.33	1.31	.33	2.61	
	0.000	0.000	.10	.05	.19	.05	.38	
SE	0	2	2	4	4	1	13	7.17
	0.000	.65	.65	1.31	1.31	.33	4.25	
	0.000	.10	.10	.62	.62	.05	1.44	
SSE	1	1	3	2	1	1	9	7.38
	.33	.33	.98	.65	.33	.33	2.94	
	.05	.05	.14	.10	.05	.05	.43	
S	3	3	4	5	2	2	19	7.98
	.98	.98	1.31	1.63	.65	.65	6.21	
	.14	.14	.19	.24	.10	.10	.91	
SSW	0	3	4	4	1	1	13	6.91
	0.000	.98	1.31	1.31	.33	.33	4.25	
	0.000	.14	.19	.19	.05	.05	.62	
SW	2	1	1	0	0	0	4	5.37
	.65	.33	.33	0.000	0.000	0.000	1.31	
	.10	.05	.05	0.000	0.000	0.000	.19	
WSW	1	1	3	2	0	0	7	4.63
	.33	.33	.98	.65	0.000	0.000	2.29	
	.05	.05	.14	.10	0.000	0.000	.34	
W	2	2	3	2	0	0	9	5.46
	.65	.65	.98	.65	0.000	0.000	2.94	
	.10	.10	.14	.10	0.000	0.000	.43	
WNW	0	0	1	0	0	0	1	4.20
	0.000	0.000	.33	0.000	0.000	0.000	.33	
	0.000	0.000	.05	0.000	0.000	0.000	.05	
NW	1	2	1	2	0	0	6	4.89
	.33	.65	.33	.65	0.000	0.000	1.96	
	.05	.10	.05	.10	0.000	0.000	.29	
NNW	1	0	3	1	0	0	5	5.66
	.33	0.000	.98	.33	0.000	0.000	1.63	
	.05	0.000	.14	.05	0.000	0.000	.24	
N	0	0	2	3	1	0	6	6.39
	0.000	0.000	.65	.98	.33	0.000	1.96	
	0.000	0.000	.10	.14	.05	0.000	.29	
CALM	0	0	0	0	0	0	0	CALM
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
TOTAL	5	15	46	138	60	42	306	6.96
	1.63	4.90	15.03	45.10	19.61	13.73	100.00	
	.24	.72	2.21	6.63	2.88	2.02	14.70	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13:51:50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	0 0.00	1 .18	3 1.78	0 0.00	0 0.00	5 2.96	5.46
	0.00	0.00	10	14	0.00	0.00	24	
NE	0 0.00	1 59	2 2.96	0 0.00	0 0.00	0 0.00	3 3.55	3.93
	0.00	05	24	0.00	0.00	0.00	29	
ENE	0 0.00	0 0.00	1 4.14	2 1.18	0 0.00	0 0.00	3 5.33	4.56
	0.00	0.00	34	10	0.00	0.00	43	
E	0 0.00	1 59	4 2.37	5 2.96	3 1.78	0 0.00	13 7.69	5.75
	0.00	05	19	24	14	0.00	62	
ESE	0 0.00	0 0.00	0 0.00	1 5.92	1 5.92	1 5.92	3 17.76	6.80
	0.00	0.00	0.00	4.14	4.14	4.14	12.43	
SE	0 0.00	0 0.00	1 .18	2 1.18	0 0.00	0 0.00	3 1.78	7.94
	0.00	0.00	10	14	0.00	0.00	24	
SSE	0 0.00	0 0.00	1 .18	2 1.18	2 1.18	1 .59	6 3.55	9.78
	0.00	0.00	10	14	14	05	48	
S	0 0.00	0 0.00	1 .18	2 1.18	4 2.37	2 1.18	9 5.33	9.59
	0.00	0.00	10	14	29	10	72	
SSW	1 .59	0 0.00	0 0.00	3 1.78	2 1.18	1 .59	7 4.14	5.42
	05	0.00	0.00	14	10	05	34	
SW	0 0.00	2 1.18	2 1.18	5 2.96	1 .59	0 0.00	10 5.92	4.53
	0.00	10	10	24	05	0.00	48	
WSW	0 0.00	0 0.00	1 .18	1 .59	0 0.00	0 0.00	2 1.18	3.76
	0.00	0.00	10	05	0.00	0.00	14	
W	1 .59	0 0.00	3 1.78	1 .59	0 0.00	0 0.00	5 2.96	5.80
	05	0.00	14	05	0.00	0.00	24	
WNW	0 0.00	1 .59	1 .59	6 3.55	0 0.00	0 0.00	8 4.73	6.43
	0.00	05	05	29	0.00	0.00	38	
NW	0 0.00	0 0.00	1 .59	1 .59	1 .59	0 0.00	3 1.78	5.02
	0.00	0.00	05	05	05	0.00	14	
NNW	0 0.00	0 0.00	3 1.78	3 1.78	0 0.00	0 0.00	6 3.55	4.60
	0.00	0.00	14	14	0.00	0.00	29	
N	1 .59	0 0.00	2 1.18	3 1.78	0 0.00	0 0.00	6 3.55	
	05	0.00	10	14	0.00	0.00	29	
CALM	0 0.00						0 0.00	CALM
	0.00						0.00	
TOTAL	3 1.78	5 2.96	41 24.26	56 33.14	25 14.79	39 23.08	169 100.00	7.19
	14	24	1.97	2.69	1.20	1.87	8.12	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL AUGUST COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13:51:50

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .05	4 .19	26 1.25	35 1.68	13 .62	5 .24	84 4.03	6.05
NE	1 .05	10 .48	33 1.59	38 1.83	2 .10	2 .10	86 4.13	5.01
ENE	1 .05	7 .34	28 1.34	47 2.26	9 .43	1 .05	93 4.47	5.61
E	3 .14	8 .38	21 1.01	42 2.02	18 .86	4 .19	96 4.61	5.89
ESE	1 .05	8 .38	17 .82	26 1.25	11 .53	2 .10	65 3.12	5.75
SE	1 .05	13 .62	31 1.49	53 2.55	23 1.10	5 .24	126 6.05	5.93
SSE	1 .05	9 .43	37 1.78	91 4.37	43 2.07	24 1.15	205 9.85	6.86
S	1 .05	9 .43	54 2.59	229 11.00	143 6.87	147 7.06	583 28.00	7.92
SSW	1 .05	3 .14	50 2.40	178 8.55	76 3.65	48 2.31	356 17.10	7.22
SW	4 .19	12 .58	45 2.16	37 1.78	19 .91	6 .29	123 5.91	5.55
WSW	0 0.00	6 .29	10 .48	8 .38	6 .29	0 0.00	30 1.44	5.15
W	1 .05	8 .38	12 .58	8 .38	3 .14	1 .05	33 1.59	4.72
WNW	2 .10	7 .34	8 .38	11 .53	2 .10	1 .05	31 1.49	5.04
NW	2 .10	4 .19	12 .58	10 .48	10 .48	4 .19	42 2.02	6.20
NNW	1 .05	5 .24	12 .62	27 1.30	11 .53	4 .19	61 2.93	6.22
N	2 .10	6 .29	17 .82	26 1.25	10 .48	7 .34	68 3.27	6.15
CALM	0 0.00						0 0.00	CALM
TOTAL	23 1.10	119 5.72	414 19.88	866 41.59	399 19.16	261 12.54	2082 100.00	6.70

NUMBER OF VALID OBSERVATIONS: 2082 — 93.28 PCT
NUMBER OF INVALID OBSERVATIONS: 150 — 6.72 PCT
TOTAL NUMBER OF OBSERVATIONS: 2232 — 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13:56:54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .33 .05	0 0.00 0.00	6 2.11 .29	10 3.51 .48	4 1.40 .19	2 .70 .10	23 8.07 1.10	6.66
NE	0 0.00 0.00	3 1.05 .14	6 2.11 .29	4 1.40 .19	1 .35 .05	0 0.00 0.00	14 4.91 .67	4.56
ENE	0 0.00 0.00	1 .35 .05	0 0.00 0.00	4 1.40 .19	1 .35 .05	1 .35 .05	7 2.81 .38	7.92
E	0 0.00 0.00	0 0.00 0.00	1 .35 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .35 .05	3.40
ESE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
SE	2 .70 .10	4 1.40 .19	5 1.75 .24	2 .70 .10	0 0.00 0.00	0 0.00 0.00	13 4.56 .63	4.35
SSE	2 .70 .10	4 1.40 .19	2 .70 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	8 2.81 .38	4.73
S	2 .70 .10	2 .70 .10	5 1.75 .24	7 2.46 .34	0 0.00 0.00	0 0.00 0.00	16 5.61 .77	5.23
SSW	0 0.00 0.00	4 1.40 .19	13 4.56 .62	11 3.86 .53	4 1.40 .19	1 .35 .05	33 11.58 1.59	6.01
SW	1 .35 .05	9 3.16 .43	10 3.51 .48	6 2.11 .29	2 .70 .10	0 0.00 0.00	28 9.82 1.35	5.35
WSW	0 0.00 0.00	2 .70 .10	4 1.40 .19	2 .70 .10	0 0.00 0.00	0 0.00 0.00	8 2.81 .38	3.49
W	0 0.00 0.00	3 1.05 .14	1 .35 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 1.40 .19	2.70
WNW	1 .35 .05	3 1.05 .14	9 3.16 .43	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	13 4.56 .62	3.40
NW	0 0.00 0.00	3 1.05 .14	2 .70 .10	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5 1.75 .24	3.02
NNW	0 0.00 0.00	1 .35 .05	0 0.00 0.00	1 .35 .05	0 0.00 0.00	0 0.00 0.00	2 .70 .10	4.35
N	0 0.00 0.00	1 .35 .05	1 .35 .05	5 1.75 .24	1 .35 .05	0 0.00 0.00	8 2.81 .38	6.58
CALM	0 0.00 0.00	0 0.00 0.00	1 .35 .05	5 1.75 .24	1 .35 .05	0 0.00 0.00	7 2.46 .34	8.30
TOTAL	7 2.46 .34	45 15.79 2.16	81 28.42 3.88	80 28.07 3.84	49 17.19 2.35	23 8.07 1.10	285 100.00 13.66	CALM 5.69

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13:56:54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	4 3.28 .19	1 .82 .05	3 2.46 .14	0 0.00 0.00	8 6.56 .38	6.05
NE	0 0.00 0.00	0 0.00 0.00	4 3.28 .19	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 3.28 .19	3.90
ENE	0 0.00 0.00	2 1.64 .10	4 3.28 .19	3 2.46 .14	1 .82 .05	0 0.00 0.00	10 8.20 .48	4.76
E	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.64 .10	0 0.00 0.00	0 0.00 0.00	2 1.64 .10	6.50
ESE	0 0.00 0.00	0 0.00 0.00	4 3.28 .19	2 1.64 .10	0 0.00 0.00	0 0.00 0.00	6 4.92 .29	4.42
SE	0 0.00 0.00	1 .82 .05	1 .82 .05	3 2.46 .14	0 0.00 0.00	1 .82 .05	6 4.92 .29	5.77
SSE	0 0.00 0.00	2 1.64 .10	5 4.10 .24	3 2.46 .14	5 4.10 .24	1 .82 .05	16 13.11 .77	6.16
S	0 0.00 0.00	2 1.64 .10	11 9.02 .53	6 4.92 .29	3 2.46 .14	3 2.46 .14	25 20.49 1.20	6.04
SSW	0 0.00 0.00	1 .82 .05	5 4.10 .24	5 4.10 .24	3 2.46 .14	3 2.46 .14	17 13.93 .81	6.85
SW	0 0.00 0.00	1 .82 .05	3 2.46 .14	2 1.64 .10	0 0.00 0.00	0 0.00 0.00	6 4.92 .29	4.68
WSW	0 0.00 0.00	1 .82 .05	1 .82 .05	1 .82 .05	0 0.00 0.00	0 0.00 0.00	3 2.46 .14	4.40
W	0 0.00 0.00	1 .82 .05	1 .82 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.64 .10	2.85
WNW	0 0.00 0.00	1 .82 .05	1 .82 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.64 .10	4.40
NW	0 0.00 0.00	0 0.00 0.00	1 .82 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .82 .05	0.00
NNW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5.94
N	0 0.00 0.00	1 .82 .05	1 .82 .05	2 1.64 .10	3 2.46 .14	0 0.00 0.00	7 5.74 .34	8.40
CALM	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.64 .10	1 .82 .05	1 .82 .05	4 3.28 .19	CALM
TOTAL	0 0.00 0.00	13 10.66 .62	47 38.52 2.25	32 26.23 1.53	19 15.57 .91	11 9.02 .53	122 100.00 5.85	5.78

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13:56:54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	4	1	7	1	13	7.43
	0.00	0.00	3.74	.93	6.54	.93	12.15	
	0.00	0.00	.19	.05	.34	.05	.62	
NE	0	0	3	2	1	0	6	5.40
	0.00	0.00	2.80	1.87	.93	0.00	5.61	
	0.00	0.00	.14	.10	.05	0.00	.29	
ENE	0	0	0	0	1	0	2	6.20
	0.00	.93	0.00	0.00	.93	0.00	1.87	
	0.00	.05	0.00	0.00	.05	0.00	.10	
E	0	1	0	0	1	0	2	4.90
	0.00	.93	0.00	.93	.93	0.00	2.80	
	0.00	.05	0.00	.05	.05	0.00	.14	
ESE	0	1	1	0	1	0	3	5.10
	0.00	.93	.93	0.00	.93	0.00	2.80	
	0.00	.05	.05	0.00	.05	0.00	.14	
SE	0	1	4	2	0	0	8	3.89
	0.00	1.87	3.74	1.87	0.00	0.00	7.48	
	0.00	.10	.19	.10	0.00	0.00	.38	
SSE	1	1	7	6	0	2	17	5.36
	.93	.93	6.54	5.61	0.00	1.87	15.89	
	.05	.05	.34	.29	0.00	.10	.81	
S	2	2	8	9	3	2	24	6.02
	0.00	1.87	7.48	8.41	2.80	1.87	22.43	
	0.00	.10	.38	.43	.14	.10	1.15	
SSW	1	1	4	2	1	1	10	6.45
	.93	.93	.93	3.74	1.87	.93	9.35	
	.05	.05	.05	.19	.10	.05	.48	
SW	0	1	1	4	1	0	7	5.80
	0.00	.93	.93	3.74	.93	0.00	6.54	
	0.00	.05	.05	.19	.05	0.00	.34	
WSW	0	0	0	0	1	0	1	4.40
	0.00	0.00	.93	0.00	0.00	0.00	.93	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
W	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WNW	0	1	0	0	0	0	1	3.00
	0.00	.93	0.00	0.00	0.00	0.00	.93	
	0.00	.05	0.00	0.00	0.00	0.00	.05	
NW	0	1	1	0	2	0	4	7.17
	0.00	0.00	.93	1.87	1.87	0.00	3.74	
	0.00	0.00	.05	.10	.10	0.00	.19	
NNW	1	1	0	2	2	0	6	6.24
	.93	.93	0.00	1.87	1.87	0.00	4.67	
	.05	.05	0.00	.10	.10	0.00	.24	
N	0	0	0	1	1	0	2	5.90
	0.00	.93	0.00	0.00	.93	0.00	1.87	
	0.00	.05	0.00	0.00	.05	0.00	.10	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	2	13	32	32	22	6	107	5.84
	1.87	12.15	29.91	29.91	20.56	5.61	100.00	
	.10	.62	1.53	1.53	1.05	.29	5.13	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13:56:54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2	2	8	8	8	10	38	7.13
	.37	.37	1.47	1.47	1.47	1.84	6.99	
	.10	.10	.38	.38	.38	.48	1.82	
NE	0	1	7	4	2	1	15	4.70
	0.00	1.84	1.29	.74	.92	.18	4.96	
	0.00	.48	.34	.19	.24	.05	1.29	
ENE	0	1	4	5	6	0	26	5.88
	0.00	.74	.92	2.05	1.10	0.00	4.78	
	0.00	.19	.24	.53	.29	0.00	1.25	
E	0	1	8	9	7	2	27	6.10
	0.00	.92	1.47	4.23	1.65	.37	8.64	
	0.00	.24	.38	1.10	.43	.10	2.25	
ESE	0	5	8	8	4	0	25	4.97
	0.00	.92	1.47	1.47	.74	0.00	5.08	
	0.00	.24	.38	.38	.19	0.00	1.30	
SE	1	6	7	21	0	1	36	4.92
	.18	1.10	1.29	3.86	0.00	.18	6.62	
	.05	.29	.34	1.01	0.00	.05	1.73	
SSE	1	4	12	7	6	7	44	6.20
	.18	1.29	2.21	2.02	1.10	1.29	8.09	
	.05	.34	.58	.53	.29	.34	2.11	
S	1	6	18	24	18	19	86	7.23
	.18	1.10	3.31	4.41	3.31	3.49	15.81	
	.05	.29	.86	1.15	.86	.91	4.12	
SSW	2	2	10	17	13	9	43	5.45
	.37	.37	1.84	3.12	2.39	1.65	7.90	
	.10	.10	.48	.81	.62	.43	2.06	
SW	0	2	8	10	1	0	21	5.23
	0.00	.37	1.47	1.84	.18	0.00	3.86	
	0.00	.10	.38	.48	.05	0.00	1.01	
WSW	0	3	5	7	2	0	17	4.97
	0.00	.55	.37	.37	.37	0.00	1.65	
	0.00	.14	.10	.10	.10	0.00	.43	
W	0	4	2	0	2	0	9	3.69
	.18	.74	.37	0.00	.37	0.00	1.65	
	.05	.19	.10	0.00	.10	0.00	.43	
WNW	0	1	3	0	0	0	6	4.32
	0.00	.18	.55	.37	0.00	0.00	1.10	
	0.00	.05	.14	.10	0.00	0.00	.29	
NW	0	4	3	1	3	2	13	5.95
	0.00	.74	.55	.18	.55	.37	2.39	
	0.00	.19	.14	.05	.14	.10	.62	
NNW	0	1	5	2	1	2	11	6.86
	0.00	.18	.92	.37	.18	.37	2.03	
	0.00	.05	.24	.10	.05	.10	.53	
N	0	2	8	5	3	2	20	6.97
	0.00	.37	.92	.55	.37	.14	2.56	
	0.00	.10	.24	.14	.10	.05	.53	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	10	72	115	210	90	50	544	6.11
	1.84	13.24	21.14	38.60	16.54	9.19	100.00	
	.34	3.45	5.51	10.07	4.31	2.40	26.08	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.56.54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 24 05	3 71 14	2 48 10	3 71 14	2 48 10	11 2.61 53	6.83
NE	0 0.00 0.00	3 71 14	5 1.19 24	5 1.19 24	0 0.00 0.00	0 0.00 0.00	13 3.09 62	4.71
ENE	0 0.00 0.00	2 48 10	7 1.66 34	2 48 10	3 1.90 38	3 71 14	17 4.03 81	6.99
E	0 0.00 0.00	4 95 19	9 2.14 43	9 2.14 43	7 1.66 34	1 24 05	30 7.13 1.44	5.71
ESE	0 0.00 0.00	4 95 19	3 71 14	4 1.90 38	0 0.00 0.00	0 0.00 0.00	15 3.56 72	4.80
SE	1 24 05	3 71 14	17 4.04 81	15 3.56 72	9 2.14 43	4 95 19	49 11.64 2.35	5.95
SSE	0 0.00 0.00	3 71 14	11 2.61 53	7 1.66 34	4 1.18 .86	2 .14 43	17 3.45 .90	7.06
S	1 24 05	7 1.66 34	10 2.38 48	9 2.26 1.87	3 .56 .72	4 2.28 .86	21 4.31 .91	7.10
SSW	0 0.00 0.00	2 48 10	9 2.14 43	4 .99 1.01	2 48 10	0 0.00 0.00	8 1.88 .80	5.79
SW	0 0.00 0.00	5 1.19 24	8 1.90 38	5 1.19 24	2 48 10	0 0.00 0.00	20 4.75 96	4.47
WSW	0 0.00 0.00	3 0.00 0.00	3 71 14	3 71 14	0 0.00 0.00	0 0.00 0.00	8 1.90 38	4.38
W	1 48 10	1 24 05	2 48 10	1 24 05	0 0.00 0.00	0 0.00 0.00	6 1.43 29	2.92
WNW	0 0.00 0.00	0 0.00 0.00	1 24 05	0 0.00 0.00	1 24 05	0 0.00 0.00	2 48 10	6.45
NW	1 24 05	3 71 14	4 95 19	1 24 05	1 24 05	1 24 05	11 2.61 53	4.68
NNW	1 24 05	0 0.00 0.00	5 1.19 24	3 71 14	2 48 10	0 0.00 0.00	11 2.61 53	5.55
N	2 48 10	4 95 19	1 24 05	6 1.43 29	4 2.61 53	4 95 19	28 6.65 1.34	7.07
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	8 1.90 38	42 9.98 2.01	98 23.28 4.70	151 35.87 7.24	79 18.76 3.79	43 10.21 2.06	421 100.00 20.18	6.25

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.55.54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	4 1.24 19	5 1.55 24	4 1.24 19	13 4.04 62	8.48
NE	0 0.00 0.00	1 31 05	2 62 10	3 93 14	1 31 05	0 0.00 0.00	7 2.17 34	5.33
ENE	0 0.00 0.00	1 31 05	3 93 14	2 62 10	4 1.24 19	4 1.24 19	14 4.35 67	7.64
E	0 0.00 0.00	0 0.00 0.00	4 1.24 19	7 2.17 34	4 1.24 19	0 0.00 0.00	15 4.66 72	6.19
ESE	0 0.00 0.00	1 31 05	2 62 10	5 1.55 24	1 31 05	0 0.00 0.00	9 2.80 43	6.15
SE	0 0.00 0.00	1 31 05	7 2.17 34	9 2.80 43	3 .93 .14	0 0.00 0.00	20 6.21 .96	6.31
SSE	0 0.00 0.00	3 93 14	5 1.55 24	7 2.17 34	3 .93 .14	0 0.00 0.00	18 5.59 .86	6.18
S	0 0.00 0.00	4 1.24 19	16 4.97 77	34 10.56 1.63	10 3.11 .48	0 0.00 0.00	64 19.88 3.07	5.87
SSW	2 62 10	1 31 05	9 2.80 43	8 2.48 38	3 .93 .14	0 0.00 0.00	23 7.14 1.10	5.26
SW	0 0.00 0.00	4 1.24 19	4 1.24 19	8 2.48 38	0 0.00 0.00	0 0.00 0.00	16 4.97 77	4.99
WSW	0 0.00 0.00	2 62 10	4 1.24 19	1 31 05	0 0.00 0.00	0 0.00 0.00	7 2.17 34	3.79
W	0 0.00 0.00	2 62 10	1 31 05	2 62 10	0 0.00 0.00	0 0.00 0.00	5 1.55 24	4.10
WNW	1 31 05	1 31 05	0 0.00 0.00	2 62 10	0 0.00 0.00	0 0.00 0.00	4 1.24 19	3.77
NW	0 0.00 0.00	3 93 14	1 31 05	2 62 10	0 0.00 0.00	0 0.00 0.00	6 1.86 29	4.45
NNW	1 31 05	3 93 14	1 31 05	1 31 05	3 93 14	0 0.00 0.00	9 2.80 43	4.66
N	0 0.00 0.00	4 1.24 19	1 31 05	3 93 14	1 31 05	0 0.00 0.00	9 2.80 43	6.82
CALM	1 31 05						1 31 05	CALM
TOTAL	5 1.55 24	31 9.63 1.49	62 19.25 2.97	152 47.20 7.33	60 18.63 2.89	12 3.73 .58	322 100.00 15.44	5.97

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.56.54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .05	1 .05	3 1.05	7 2.46	5 1.75	3 1.05	20 7.02	6.85
NE	1 .05	1 .05	4 1.40	10 3.51	7 2.46	4 1.40	27 9.47	6.96
ENE	0 0.00	2 .10	5 1.75	10 3.51	8 2.81	0 0.00	25 8.77	6.07
E	0 0.00	1 .05	2 .70	10 3.51	8 2.81	0 0.00	21 7.37	6.66
ESE	0 0.00	2 .10	3 1.05	10 3.51	8 2.81	0 0.00	23 8.07	6.54
SE	0 0.00	0 0.00	3 1.05	4 1.40	5 1.75	0 0.00	12 4.21	6.71
SSE	0 0.00	0 0.00	3 1.05	9 3.16	10 3.51	0 0.00	22 7.72	6.75
S	0 0.00	0 0.00	3 1.05	7 2.46	7 2.46	0 0.00	17 5.96	6.50
SSW	0 0.00	2 .10	3 1.05	7 2.46	7 2.46	0 0.00	19 6.67	6.43
SW	0 0.00	0 0.00	2 .70	4 1.40	3 1.05	0 0.00	9 3.16	5.72
WSW	0 0.00	0 0.00	2 .70	1 .35	1 .35	0 0.00	4 1.40	5.27
W	1 .05	2 .10	4 1.40	1 .35	0 0.00	0 0.00	8 2.81	3.09
WNW	0 0.00	1 .05	4 1.40	0 0.00	0 0.00	0 0.00	5 1.75	3.50
NW	0 0.00	0 0.00	3 1.05	0 0.00	0 0.00	0 0.00	3 1.05	3.77
NNW	1 .05	0 0.00	4 1.40	3 1.05	0 0.00	0 0.00	8 2.81	5.01
N	0 0.00	0 0.00	1 .35	1 .35	1 .35	0 0.00	3 1.05	6.00
CALM	0 0.00	1 .05	0 0.00	3 1.05	7 2.46	0 0.00	11 3.86	7.32
TOTAL	3 1.75 24	14 4.91 67	66 23.16 3.16	139 48.77 6.66	58 20.35 2.78	3 1.05 .14	285 100.00 13.66	5.99

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL SEPTEMBER COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 13.56.54

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	4 .19	4 .19	28 1.34	33 1.58	35 1.68	22 1.05	126 6.04	7.08
NE	1 .05	19 .91	39 1.87	34 1.63	8 .38	1 .05	102 4.89	4.85
ENE	0 0.00	12 .58	21 1.01	30 1.44	32 1.53	8 .38	103 4.94	6.57
E	0 0.00	11 .53	24 1.15	54 2.59	26 1.25	3 .14	118 5.66	6.04
ESE	0 0.00	15 .72	30 1.44	54 2.59	14 .67	0 0.00	113 5.42	5.47
SE	4 .19	18 .86	49 2.35	104 4.99	29 1.39	9 .43	213 10.21	5.77
SSE	4 .19	20 .96	59 2.83	105 5.03	48 2.30	24 1.15	260 12.46	6.30
S	2 .10	27 1.29	88 4.22	143 6.86	66 3.16	44 2.11	370 17.74	6.48
SSW	5 .24	24 1.15	50 2.40	69 3.31	21 1.01	8 .38	177 8.49	5.63
SW	0 0.00	20 .96	32 1.53	34 1.63	5 .24	0 0.00	91 4.36	4.81
WSW	1 .05	11 .53	16 .77	7 .34	2 .10	0 0.00	37 1.77	3.99
W	4 .19	13 .62	20 .96	3 .14	2 .10	0 0.00	42 2.01	3.44
WNW	1 .05	6 .29	11 .53	4 .19	1 .05	0 0.00	23 1.10	3.94
NW	2 .10	11 .53	15 .72	19 .91	8 .38	3 .14	58 2.78	5.37
NNW	2 .10	7 .34	11 .53	44 2.11	25 1.20	2 .10	91 4.36	6.32
N	2 .10	12 .58	8 .38	60 2.88	54 2.59	24 1.15	160 7.67	7.36
CALM	2 .10						2 .10	CALM
TOTAL	34 1.63	230 11.03	501 24.02	797 38.21	376 18.02	148 7.09	2086 100.00	6.01

NUMBER OF VALID OBSERVATIONS 2086 96.57 PCT
NUMBER OF INVALID OBSERVATIONS 74 3.43 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 14.57.07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	1	2	0	4	6.77
	0.00	0.00	.76	.76	1.52	0.00	3.03	
	0.00	0.00	.05	.05	.10	0.00	.20	
NE	0	1	2	0	0	0	3	3.43
	0.00	1.52	.76	0.00	0.00	0.00	2.27	
	0.00	.10	.05	0.00	0.00	0.00	.15	
ENE	0	0	2	0	0	0	2	3.60
	0.00	0.00	1.52	0.00	0.00	0.00	1.52	
	0.00	0.00	.10	0.00	0.00	0.00	.10	
E	0	1	2	0	0	0	3	3.27
	0.00	.76	1.52	0.00	0.00	0.00	2.27	
	0.00	.05	.10	0.00	0.00	0.00	.15	
ESE	1	0	2	2	6	1	12	7.02
	.76	0.00	1.52	1.52	4.55	.76	9.09	
	.05	0.00	.10	.10	.30	.05	.60	
SE	0	0	3	0	0	0	3	4.30
	0.00	0.00	2.27	0.00	0.00	0.00	2.27	
	0.00	0.00	.15	0.00	0.00	0.00	.15	
SSE	0	2	3	0	0	0	5	3.64
	0.00	1.52	2.27	0.00	0.00	0.00	3.79	
	0.00	.10	.15	0.00	0.00	0.00	.25	
S	0	0	0	6	5	8	20	9.90
	0.00	0.00	0.00	4.55	3.79	6.06	15.15	
	0.00	0.00	0.00	.30	.25	.40	1.00	
SSW	0	0	2	4	3	4	13	9.53
	0.00	0.00	1.52	3.03	2.27	3.03	9.85	
	0.00	0.00	.10	.20	.15	.20	.65	
SW	0	0	0	4	0	4	8	7.24
	0.00	0.00	0.00	3.03	0.00	3.03	6.06	
	0.00	0.00	0.00	.20	0.00	.20	.40	
WSW	0	0	2	1	0	0	3	5.25
	0.00	0.00	1.52	3.03	0.00	0.00	4.55	
	0.00	0.00	.10	.20	0.00	0.00	.30	
W	0	0	1	0	0	0	1	5.70
	0.00	0.00	.76	0.00	0.00	0.00	1.52	
	0.00	0.00	.05	0.00	0.00	0.00	.10	
WNW	0	0	1	1	4	2	8	9.04
	0.00	0.00	.76	.76	3.03	2.27	6.82	
	0.00	0.00	.05	.05	.20	.15	.85	
NW	0	2	0	0	3	2	7	8.41
	0.00	1.52	0.00	0.00	3.79	2.27	7.58	
	0.00	.10	0.00	0.00	.25	.15	.50	
NNW	0	0	2	1	7	11	21	9.73
	0.00	0.00	1.52	.76	5.30	8.33	15.91	
	0.00	0.00	.10	.05	.35	.55	1.05	
N	0	1	0	0	4	5	10	9.89
	0.00	.76	0.00	0.00	3.79	3.03	7.58	
	0.00	.05	0.00	0.00	.25	.20	.50	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	8	26	25	34	38	132	8.12
	.76	6.06	19.70	18.94	25.76	28.79	100.00	
	.05	.40	1.30	1.25	1.70	1.90	6.60	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 14.57.07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	2	0	1	2	0	5	5.32
	0.00	1.98	0.00	.99	1.98	0.00	4.95	
	0.00	.10	0.00	.05	.10	0.00	.25	
NE	0	1	0	0	0	0	1	2.80
	0.00	.99	0.00	0.00	0.00	0.00	.99	
	0.00	.05	0.00	0.00	0.00	0.00	.05	
ENE	0	1	0	0	0	0	1	3.50
	0.00	0.00	.99	0.00	0.00	0.00	.99	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
E	0	0	0	1	0	0	1	6.00
	0.00	0.00	0.00	.99	0.00	0.00	.99	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
ESE	0	0	1	3	1	1	6	6.88
	0.00	0.00	.99	2.97	.99	.99	5.94	
	0.00	0.00	.05	.15	.05	.05	.30	
SE	0	1	1	1	0	1	4	5.90
	0.00	.99	.99	.99	0.00	.99	3.96	
	0.00	.05	.05	.05	0.00	.05	.20	
SSE	0	1	1	1	1	0	4	5.87
	0.00	.99	.99	.99	.99	0.00	3.96	
	0.00	.05	.05	.05	.05	0.00	.20	
S	1	0	0	5	4	9	19	8.04
	.99	0.00	0.00	4.95	3.96	8.91	18.81	
	.05	0.00	0.00	.25	.20	.45	.95	
SSW	1	0	0	2	3	5	11	9.21
	.99	0.00	0.00	1.98	2.97	4.95	10.89	
	.05	0.00	0.00	.10	.15	.25	.55	
SW	0	0	1	1	3	3	8	7.21
	0.00	0.00	.99	.99	2.97	2.97	7.92	
	0.00	0.00	.05	.05	.15	.15	.40	
WSW	0	0	1	1	0	2	4	6.98
	0.00	0.00	.99	.99	0.00	1.98	3.96	
	0.00	0.00	.05	.05	0.00	.10	.20	
W	0	0	0	0	0	0	0	2.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WNW	0	0	0	1	0	0	1	4.77
	0.00	0.00	0.00	.99	0.00	0.00	.99	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
NW	0	0	1	1	2	2	6	6.65
	0.00	0.00	.99	.99	1.98	1.98	5.94	
	0.00	0.00	.05	.05	.10	.10	.30	
NNW	0	0	2	1	2	2	7	7.09
	0.00	0.00	1.98	.99	1.98	1.98	6.93	
	0.00	0.00	.10	.05	.10	.10	.35	
N	0	0	0	3	1	2	12	8.75
	0.00	0.00	0.00	2.97	6.93	1.98	11.88	
	0.00	0.00	0.00	.15	.35	.10	.60	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	2	10	15	26	23	23	101	7.28
	1.98	9.90	14.85	25.74	22.77	22.77	100.00	
	.10	.50	.75	1.30	1.15	1.15	5.04	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 14.57.07.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	0	1	0	0	2	4.70
	0.00	33	0.00	33	0.00	0.00	1.90	
	0.00	05	0.00	05	0.00	0.00	10	
NE	0	1	0	0	0	0	1	2.10
	0.00	33	0.00	0.00	0.00	0.00	95	
	0.00	05	0.00	0.00	0.00	0.00	05	
ENE	0	0	3	1	0	0	4	4.52
	0.00	0.00	2.86	95	0.00	0.00	3.81	
	0.00	0.00	15	05	0.00	0.00	20	
E	0	0	2	5	0	0	7	5.27
	0.00	0.00	1.90	4.76	0.00	0.00	6.67	
	0.00	0.00	10	25	0.00	0.00	35	
ESE	0	0	4	1	1	0	6	5.03
	0.00	0.00	3.81	95	95	0.00	5.71	
	0.00	0.00	20	05	05	0.00	30	
SE	0	0	0	2	2	2	8	7.00
	0.00	1.90	0.00	1.90	1.90	1.90	7.62	
	0.00	10	0.00	10	10	10	40	
SSE	0	0	0	3	1	1	5	7.86
	0.00	0.00	0.00	2.86	1.90	0.00	4.76	
	0.00	0.00	0.00	15	10	0.00	25	
S	0	2	2	5	9	3	19	7.67
	0.00	1.90	2.86	1.90	8.57	2.86	18.10	
	0.00	10	15	10	45	15	95	
SSW	0	2	3	4	6	3	18	7.44
	0.00	1.90	2.86	3.81	5.71	2.86	17.14	
	0.00	10	15	20	30	15	90	
SW	0	0	0	1	1	1	4	7.50
	0.00	0.00	0.00	95	95	95	3.81	
	0.00	0.00	0.00	05	05	05	20	
WSW	0	1	0	0	0	0	1	3.30
	0.00	95	0.00	0.00	0.00	0.00	1.90	
	0.00	05	0.00	0.00	0.00	0.00	10	
W	0	1	1	1	0	0	3	4.27
	0.00	95	95	95	0.00	0.00	2.86	
	0.00	05	05	05	0.00	0.00	15	
WNW	0	0	0	1	0	0	1	7.30
	0.00	0.00	0.00	95	0.00	0.00	1.90	
	0.00	0.00	0.00	05	0.00	0.00	10	
NW	0	0	0	1	1	0	2	9.52
	0.00	0.00	2.86	95	95	2.86	7.62	
	0.00	0.00	15	05	05	15	40	
NNW	0	1	2	1	1	0	5	5.47
	0.00	95	2.86	95	95	0.00	6.67	
	0.00	05	15	05	05	0.00	35	
N	0	0	1	3	3	2	9	7.67
	0.00	0.00	95	2.86	2.86	1.90	8.57	
	0.00	0.00	05	15	15	10	45	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	11	25	27	27	15	105	6.77
	0.00	10.48	23.81	25.71	25.71	14.29	100.00	
	0.00	55	1.25	1.35	1.35	75	5.24	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 14.57.07.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	4	7	7	6	1	25	5.99
	0.00	77	1.35	1.35	1.16	19	4.82	
	0.00	20	35	35	30	05	1.25	
NE	0	1	9	6	0	0	16	4.64
	0.00	19	1.73	1.16	0.00	0.00	3.08	
	0.00	05	45	30	0.00	0.00	80	
ENE	0	0	5	6	0	0	11	5.26
	0.00	0.00	96	1.16	0.00	0.00	2.12	
	0.00	0.00	25	30	0.00	0.00	55	
E	3	2	7	3	0	0	15	4.76
	39	0.00	1.35	96	19	0.00	2.89	
	10	0.00	35	25	05	0.00	75	
ESE	1	0	2	2	3	3	11	7.24
	19	0.00	39	39	58	58	2.12	
	05	0.00	10	10	15	15	55	
SE	0	3	6	4	7	4	33	8.77
	0.00	39	1.16	1.35	2.77	2.70	6.54	
	0.00	10	30	35	70	70	1.65	
SSE	0	1	7	10	7	10	35	7.84
	0.00	19	1.35	1.93	1.35	1.93	6.74	
	0.00	05	35	50	35	50	1.75	
S	3	8	18	20	41	57	147	8.78
	14	58	3.47	6.74	9.44	7.90	28.14	
	05	15	90	1.75	2.44	2.04	7.55	
SSW	2	3	6	12	14	5	42	7.00
	39	58	1.16	2.31	2.70	96	8.09	
	10	15	30	60	70	25	2.09	
SW	1	2	1	6	4	3	17	6.75
	19	58	19	1.16	77	58	3.28	
	05	15	05	30	10	20	85	
WSW	1	3	1	4	1	1	11	4.89
	19	58	19	77	19	19	2.12	
	05	15	05	20	05	05	55	
W	0	3	7	9	7	4	30	7.49
	0.00	39	1.35	1.74	1.35	1.35	5.80	
	0.00	10	35	45	35	20	1.55	
WNW	0	3	6	3	0	7	19	7.45
	0.00	58	1.16	58	0.00	1.35	3.66	
	0.00	15	30	15	0.00	35	95	
NW	1	2	4	2	3	5	17	8.49
	19	19	77	58	58	94	3.08	
	05	05	20	15	15	25	85	
NNW	1	1	3	5	1	3	14	7.91
	19	19	58	96	19	58	5.41	
	05	05	15	25	05	15	70	
N	3	1	3	2	1	2	12	9.24
	39	19	39	2.31	3.86	5.39	12.33	
	10	05	10	60	95	1.40	3.19	
CALM	1						1	CALM
	19						19	
	05						05	
TOTAL	11	28	91	125	135	129	519	7.80
	2.12	5.39	17.53	24.08	26.01	24.86	100.00	
	55	1.40	4.54	6.23	6.73	6.43	25.89	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 14.57.07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	2	2	5	5	14	8.76
	0.00	0.00	.38	.38	.96	.96	2.68	
	0.00	0.00	.10	.10	.25	.25	.70	
NE	0	2	5	2	0	0	9	4.32
	0.00	.38	.96	.38	0.00	0.00	1.72	
	0.00	.10	.25	.10	0.00	0.00	.45	
ENE	0	1	5	3	0	0	9	6.17
	0.00	.19	.96	1.53	1.15	0.00	3.82	
	0.00	.05	.25	.40	.30	0.00	1.00	
E	0	2	5	4	2	0	13	7.18
	0.00	.38	.96	1.53	2.10	0.00	3.25	
	0.00	.10	.25	.05	.55	0.00	.85	
ESE	0	0	3	5	4	0	14	8.92
	0.00	0.00	.38	.57	.76	.96	2.68	
	0.00	0.00	.10	.15	.20	.25	.70	
SE	0	1	3	4	5	2	15	8.64
	0.00	.19	.38	1.53	1.91	.48	3.88	
	0.00	.05	.10	.40	.50	.20	1.80	
SSE	1	1	4	6	4	2	18	9.18
	.19	.19	.76	1.15	.76	.48	3.77	
	.05	.05	.20	.30	.20	.10	.90	
S	1	1	8	7	11	13	41	9.41
	.19	.19	1.53	1.34	2.09	2.49	7.85	
	.05	.05	.40	.35	.55	.65	2.05	
SSW	0	4	4	2	2	3	15	6.30
	0.00	.76	.76	.38	.38	.57	2.87	
	0.00	.20	.20	.10	.10	.15	.75	
SW	0	1	2	1	0	1	5	5.62
	0.00	.19	.38	.19	0.00	.19	.96	
	0.00	.05	.10	.05	0.00	.05	.25	
WSW	0	0	0	1	0	0	1	5.02
	0.00	0.00	0.00	.19	0.00	0.00	.19	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
W	0	1	3	3	1	0	8	5.55
	0.00	.19	.57	.57	.19	0.00	1.53	
	0.00	.05	.15	.15	.05	0.00	.40	
WNW	0	0	2	1	1	2	6	6.17
	0.00	0.00	.38	.19	.19	.38	1.15	
	0.00	0.00	.10	.05	.05	.10	.30	
NW	1	0	1	3	0	2	7	5.65
	.19	0.00	.19	.57	0.00	.38	1.34	
	.05	0.00	.05	.15	0.00	.10	.35	
NNW	0	0	0	2	1	3	6	7.17
	0.00	0.00	0.00	.38	.19	.57	1.15	
	0.00	0.00	0.00	.10	.05	.15	.30	
N	1	0	0	1	2	1	5	8.94
	.19	0.00	0.00	.19	.38	.19	.96	
	.05	0.00	0.00	.05	.10	.05	.25	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	4	17	48	134	173	127	523	8.13
	.76	3.25	9.18	25.62	33.08	24.28	100.00	
	.20	.85	2.39	6.68	8.63	6.33	26.08	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL OCTOBER COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 14.57.07

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	2	9	7	0	18	7.03
	0.00	0.00	.70	3.15	2.45	0.00	6.29	
	0.00	0.00	.10	.45	.35	0.00	.90	
NE	0	0	3	2	0	0	5	4.84
	0.00	0.00	1.05	.70	0.00	0.00	1.75	
	0.00	0.00	.15	.10	0.00	0.00	.25	
ENE	1	2	3	2	1	0	9	4.22
	.35	.70	1.05	.70	.35	0.00	3.15	
	.05	.10	.15	.10	.05	0.00	.45	
E	0	1	2	3	2	1	9	7.06
	0.00	.35	.70	1.05	.70	.35	3.15	
	0.00	.05	.10	.15	.10	.05	.45	
ESE	1	0	2	1	1	0	5	5.50
	.35	0.00	.70	.35	.35	0.00	1.75	
	.05	0.00	.10	.05	.05	0.00	.25	
SE	0	0	1	3	1	0	5	7.28
	0.00	0.00	.35	1.05	.35	0.00	1.75	
	0.00	0.00	.05	.15	.05	0.00	.25	
SSE	0	1	2	7	3	1	14	7.53
	0.00	.35	.70	2.45	1.05	.35	4.90	
	0.00	.05	.10	.35	.15	.05	.70	
S	1	0	5	7	2	0	15	7.39
	.35	0.00	1.75	2.45	.70	0.00	5.25	
	.05	0.00	.25	.35	.10	0.00	.75	
SSW	0	0	2	1	1	0	4	6.10
	0.00	0.00	.70	.35	.35	0.00	1.40	
	0.00	0.00	.10	.05	.05	0.00	.20	
SW	0	0	2	2	1	0	5	5.67
	0.00	0.00	.70	.70	.35	0.00	1.75	
	0.00	0.00	.10	.10	.05	0.00	.25	
WSW	0	0	2	1	1	0	4	4.42
	0.00	0.00	.70	.35	.35	0.00	1.40	
	0.00	0.00	.10	.05	.05	0.00	.20	
W	0	0	1	2	0	0	3	5.26
	0.00	0.00	.35	.70	0.00	0.00	1.05	
	0.00	0.00	.05	.10	0.00	0.00	.15	
WNW	0	0	1	2	1	2	6	6.70
	0.00	0.00	.35	.70	.35	.70	2.10	
	0.00	0.00	.05	.10	.05	.10	.30	
NW	0	0	2	1	3	1	7	7.58
	0.00	0.00	.70	.35	1.05	.35	2.45	
	0.00	0.00	.10	.05	.15	.05	.35	
NNW	0	0	0	1	2	1	4	6.88
	0.00	0.00	0.00	.35	.70	.35	1.40	
	0.00	0.00	0.00	.05	.10	.05	.20	
N	0	0	1	2	1	0	4	5.72
	0.00	0.00	.35	.70	.35	0.00	1.40	
	0.00	0.00	.05	.10	.05	0.00	.20	
CALM	0	0	0	0	0	0	0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	7	28	46	28	5	117	6.61
	1.05	2.45	9.79	16.08	9.79	1.75	40.91	
	.15	.35	1.39	2.29	1.39	.25	5.82	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL OCTOBER COMBINED

STABILITY CLASS PASQUILL G
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/11/81 14.57.07.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	0 0.00	1 .05	8 2.36 .40	3 .88 .15	1 .29 .05	13 3.83 .65	6.92
NE	0 0.00	1 .29 .05	3 1.47 .25	3 1.47 .25	0 0.00 0.00	0 0.00 0.00	7 3.54 .55	4.81
ENE	0 0.00	0 0.00	3 .88 .15	7 2.06 .35	2 .59 .10	0 0.00 0.00	12 3.54 .60	6.24
E	0 0.00	0 0.00	3 .88 .15	7 2.06 .35	6 1.77 .30	0 0.00 0.00	16 4.72 .80	6.63
ESE	1 .29 .05	0 0.00 0.00	3 .88 .15	9 2.65 .45	9 2.65 .45	0 0.00 0.00	32 9.44 1.60	6.33
SE	1 .29 .05	4 1.18 .20	5 1.47 .25	18 5.31 .90	7 2.06 .35	0 0.00 0.00	30 8.85 1.50	6.37
SSE	2 .59 .10	7 2.06 .35	18 5.31 .90	9 2.65 .45	0 0.00 0.00	0 0.00 0.00	36 10.62 1.80	6.24
S	0 0.00 0.00	1 .29 .05	5 1.47 .25	26 7.67 1.30	15 4.42 .75	1 .29 .05	47 13.86 2.34	7.00
SSW	1 .29 .05	1 .29 .05	5 1.47 .25	22 6.49 1.10	10 2.95 .50	0 0.00 0.00	31 9.14 1.55	5.78
SW	1 .29 .05	0 0.00 0.00	2 .59 .10	4 1.18 .20	2 .59 .10	0 0.00 0.00	9 2.65 .45	5.70
WSW	0 0.00 0.00	0 0.00 0.00	3 .88 .15	8 2.36 .40	1 .29 .05	0 0.00 0.00	12 3.54 .60	5.45
W	0 0.00 0.00	0 0.00 0.00	2 .59 .10	5 1.47 .25	3 .88 .15	0 0.00 0.00	10 2.95 .50	4.33
WNW	0 0.00 0.00	0 0.00 0.00	3 .88 .15	9 2.65 .45	5 1.47 .25	0 0.00 0.00	17 5.01 .85	6.59
NW	0 0.00 0.00	0 0.00 0.00	5 1.47 .25	9 2.65 .45	10 2.95 .50	1 .29 .05	25 7.37 1.25	6.84
NNW	0 0.00 0.00	0 0.00 0.00	3 .88 .15	4 1.18 .20	4 1.18 .20	0 0.00 0.00	10 2.95 .50	6.49
N	0 0.00 0.00	0 0.00 0.00	2 .59 .10	4 1.18 .20	9 2.65 .45	0 0.00 0.00	21 6.19 1.05	6.34
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	7 .59 .10	34 3.11 .55	68 20.06 3.39	171 50.44 8.53	84 24.78 4.19	3 .88 .15	339 100.00 16.91	6.28

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL OCTOBER COMBINED

ALL CLASSES
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/11/81 14.57.07.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	7 .35	13 .65	29 1.45	25 1.25	7 .35	81 4.04	6.82
NE	0 0.00	8 .40	23 1.15	15 .75	0 0.00	0 0.00	46 2.29	4.47
ENE	1 .05	3 .15	22 1.10	24 1.20	9 .45	0 0.00	59 2.94	5.47
E	2 .10	4 .20	19 .95	20 1.00	24 1.20	1 .05	70 3.49	6.14
ESE	4 .20	0 0.00	27 1.35	29 1.45	28 1.40	10 .50	98 4.89	6.70
SE	0 0.00	7 .35	17 .85	50 2.49	28 1.40	29 1.45	131 6.53	7.68
SSE	1 .05	8 .40	23 1.15	64 3.19	68 3.39	35 1.75	199 9.93	7.83
S	4 .20	6 .30	39 1.95	134 6.68	165 8.23	130 6.48	478 23.84	8.70
SSW	4 .20	12 .60	28 1.40	68 3.39	46 2.29	19 .95	177 8.83	6.89
SW	1 .05	6 .30	31 1.55	29 1.45	14 .70	12 .60	93 4.64	6.32
WSW	1 .05	5 .25	27 1.35	23 1.15	2 .10	3 .15	61 3.04	5.10
W	0 0.00	9 .45	19 .95	14 .70	9 .45	8 .40	59 2.94	6.02
WNW	0 0.00	7 .35	21 1.05	25 1.25	29 1.45	10 .50	92 4.59	6.88
NW	1 .05	4 .20	19 .95	20 1.00	34 1.70	14 .70	102 5.09	7.40
NNW	0 0.00	2 .10	13 .65	31 1.55	37 1.85	17 .85	100 4.99	7.59
N	3 .15	4 .20	10 .50	39 1.95	58 2.89	44 2.19	158 7.88	8.46
CALM	1 .05						1 .05	CALM
TOTAL	23 1.15	92 4.59	351 17.51	624 31.12	576 28.73	339 16.91	2005 100.00	7.40

NUMBER OF VALID OBSERVATIONS 2005 89.83 PCT
NUMBER OF INVALID OBSERVATIONS 227 10.17 PCT
TOTAL NUMBER OF OBSERVATIONS 2232 100.00 PCT

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15:00:46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	0	1	0	0	1	5.20
	0.00	0.00	0.00	.84	0.00	0.00	.84	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
NE	0	0	0	1	0	0	1	4.76
	0.00	0.00	3.36	.84	0.00	0.00	4.20	
	0.00	0.00	.19	.05	0.00	0.00	.23	
ENE	0	0	0	4	0	0	4	5.47
	0.00	0.00	0.00	3.36	0.00	0.00	3.36	
	0.00	0.00	0.00	.19	0.00	0.00	.19	
E	0	0	0	1	0	0	1	6.20
	0.00	0.00	0.00	.84	0.00	0.00	.84	
	0.00	0.00	0.00	.05	0.00	0.00	.05	
ESE	1	0	0	0	0	0	1	2.33
	.84	1.68	0.00	0.00	0.00	0.00	2.52	
	.05	.09	0.00	0.00	0.00	0.00	.14	
SE	0	1	0	1	0	0	2	3.65
	0.00	.84	0.00	.84	0.00	0.00	1.68	
	0.00	.05	0.00	.05	0.00	0.00	.09	
SSE	0	4	0	7	0	0	12	5.95
	0.00	0.00	3.36	5.88	.84	0.00	10.08	
	0.00	0.00	.19	.33	.05	0.00	.56	
S	0	0	1	7	4	3	15	8.63
	0.00	0.00	.84	5.88	3.36	2.52	12.61	
	0.00	0.00	.05	.33	.19	.14	.70	
SSW	0	0	1	0	1	1	3	11.88
	0.00	0.00	.84	.84	0.00	.11	10.92	
	0.00	0.00	.05	.05	0.00	.05	.51	
SW	0	0	1	0	4	5	10	10.30
	0.00	0.00	.84	0.00	3.36	4.20	8.40	
	0.00	0.00	.05	0.00	.19	.23	.47	
WSW	0	0	0	0	1	2	3	11.15
	0.00	0.00	0.00	0.00	.84	.84	1.68	
	0.00	0.00	0.00	0.00	.05	.05	.09	
W	0	0	0	1	7	1	9	8.82
	0.00	0.00	0.00	.84	5.88	.84	7.56	
	0.00	0.00	0.00	.05	.33	.05	.42	
WNW	0	0	1	4	1	0	6	7.00
	0.00	0.00	.84	1.68	.84	0.00	3.36	
	0.00	0.00	.05	.09	.05	0.00	.14	
NW	0	0	0	2	4	3	9	10.46
	0.00	0.00	0.00	1.68	3.36	7.56	12.61	
	0.00	0.00	0.00	.09	.19	.42	.70	
NNW	0	0	0	3	2	1	6	8.63
	0.00	0.00	0.00	4.20	2.52	1.68	8.40	
	0.00	0.00	0.00	.23	.14	.09	.47	
N	0	0	0	0	11	1	12	9.08
	0.00	0.00	0.00	0.00	9.24	.84	10.08	
	0.00	0.00	0.00	0.00	.51	.05	.56	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	3	12	32	27	33	119	8.56
	.84	2.52	10.08	27.73	31.09	27.73	100.00	
	.05	.14	.56	1.54	1.73	1.54	5.55	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15:00:46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	0	1	1	3	7.67
	0.00	0.00	.88	0.00	.88	.88	2.63	
	0.00	0.00	.05	0.00	.05	.05	.14	
NE	0	1	0	0	0	0	1	4.48
	0.00	2.63	.88	.88	.88	0.00	5.26	
	0.00	.14	.05	.05	.05	0.00	.28	
ENE	0	1	0	2	1	0	4	5.57
	0.00	.88	0.00	1.75	.88	0.00	3.51	
	0.00	.05	0.00	.09	.05	0.00	.19	
E	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	0	2	0	0	0	0	2	2.20
	0.00	1.75	0.00	0.00	0.00	0.00	1.75	
	0.00	.09	0.00	0.00	0.00	0.00	.09	
SE	0	1	1	1	0	0	3	4.37
	0.00	.88	.88	.88	0.00	0.00	2.63	
	0.00	.05	.05	.05	0.00	0.00	.14	
SSE	0	0	2	2	0	0	4	7.30
	0.00	0.00	1.75	1.75	0.00	0.00	3.51	
	0.00	0.00	.09	.09	0.00	0.00	.19	
S	0	0	0	6	5	4	15	8.76
	0.00	0.00	0.00	5.26	4.39	3.51	13.16	
	0.00	0.00	0.00	.28	.23	.19	.70	
SSW	0	0	0	4	2	1	7	8.24
	0.00	0.00	0.00	3.51	1.75	.88	6.14	
	0.00	0.00	0.00	.19	.09	.05	.33	
SW	0	0	0	4	1	3	8	8.92
	0.00	0.00	0.00	3.51	.88	2.63	7.02	
	0.00	0.00	0.00	.19	.05	.14	.37	
WSW	0	0	0	0	1	0	1	7.00
	0.00	0.00	0.00	0.00	.88	0.00	.88	
	0.00	0.00	0.00	0.00	.05	0.00	.05	
W	0	0	2	7	2	0	11	6.34
	0.00	0.00	1.75	6.14	1.75	0.00	9.65	
	0.00	0.00	.09	.33	.09	0.00	.51	
WNW	0	1	0	3	0	0	4	6.32
	0.00	.88	0.00	2.63	0.00	0.00	3.51	
	0.00	.05	0.00	.14	0.00	0.00	.19	
NW	0	1	1	2	4	11	19	10.67
	0.00	.88	.88	1.75	3.51	9.65	16.67	
	0.00	.05	.05	.09	.19	.51	.89	
NNW	0	0	0	4	2	6	12	10.00
	0.00	0.00	0.00	3.51	1.75	6.14	11.40	
	0.00	0.00	0.00	.19	.09	.33	.61	
N	0	0	3	3	2	3	11	7.82
	0.00	0.00	2.63	2.63	1.75	2.63	9.65	
	0.00	0.00	.14	.14	.09	.14	.51	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	9	10	39	27	29	114	8.10
	0.00	7.89	8.77	34.21	23.68	25.44	100.00	
	0.00	.42	.47	1.82	1.26	1.35	5.32	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.00.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	2	3	4	6	8	23	7.20
	0.00	1.36	2.04	2.72	4.08	5.44	15.65	
	0.00	09	14	19	28	37	1.07	
NE	0	2	1	2	0	0	4	4.62
	0.00	1.36	.68	1.36	0.00	0.00	2.72	
	0.00	09	05	09	0.00	0.00	19	
ENE	0	1	0	1	0	0	2	6.03
	0.00	.68	0.00	.68	0.00	0.00	2.04	
	0.00	05	0.00	05	0.00	0.00	14	
E	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	0	1	0	2	0	0	3	6.40
	0.00	.68	0.00	1.36	0.00	0.00	3.40	
	0.00	05	0.00	09	0.00	0.00	23	
SE	0	1	1	0	0	0	2	4.95
	0.00	0.00	.68	0.00	0.00	0.00	1.36	
	0.00	0.00	05	0.00	0.00	0.00	09	
SSE	0	0	1	5	1	0	7	6.92
	0.00	0.00	.68	3.40	.68	0.00	4.80	
	0.00	0.00	05	23	05	0.00	19	
S	0	0	0	8	2	0	10	6.96
	0.00	0.00	0.00	5.44	1.36	0.00	6.80	
	0.00	0.00	0.00	37	09	0.00	47	
SSW	0	1	2	3	2	0	8	7.65
	0.00	.68	2.04	3.40	1.36	0.00	8.16	
	0.00	05	14	23	09	0.00	19	
SW	0	0	3	5	4	0	12	8.62
	0.00	0.00	2.04	3.40	2.72	2.72	10.20	
	0.00	0.00	14	23	19	19	70	
WSW	0	0	0	1	2	1	4	8.82
	0.00	0.00	0.00	.68	1.36	.68	2.72	
	0.00	0.00	0.00	05	09	05	19	
W	0	0	1	2	0	0	3	6.82
	0.00	0.00	.68	1.36	0.00	0.00	2.04	
	0.00	0.00	05	09	0.00	0.00	14	
WNW	0	0	0	3	1	0	4	6.13
	0.00	0.00	0.00	2.04	.68	0.00	2.72	
	0.00	0.00	0.00	14	05	0.00	19	
NW	0	0	1	3	1	0	5	6.34
	0.00	0.00	.68	2.04	.68	0.00	3.40	
	0.00	0.00	05	14	05	0.00	23	
NNW	0	0	0	4	1	4	9	9.21
	0.00	0.00	0.00	2.72	.68	2.72	6.12	
	0.00	0.00	0.00	19	05	19	42	
N	0	0	0	5	2	4	11	9.68
	0.00	0.00	0.00	3.40	1.36	2.72	7.48	
	0.00	0.00	0.00	23	09	19	51	
CALM	0	0	0	2	0	0	2	9.40
	0.00	0.00	0.00	1.36	0.00	0.00	1.36	
	0.00	0.00	0.00	09	0.00	0.00	09	
	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	0	6	17	48	29	22	147	7.96
	0.00	4.08	11.56	32.65	19.73	14.97	100.00	
	0.00	28	79	2.24	1.35	1.03	6.86	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.00.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	2	13	21	19	9	65	7.01
	.14	.27	1.77	2.86	2.59	1.23	8.87	
	05	09	61	99	89	42	3.03	
NE	1	2	10	17	0	0	30	4.85
	.14	.27	1.36	2.32	0.00	0.00	4.09	
	05	09	47	79	0.00	0.00	1.40	
ENE	0	1	8	7	2	0	18	5.71
	0.00	.14	.68	.95	.27	0.00	2.18	
	0.00	05	28	33	09	0.00	75	
E	1	0	3	8	3	0	23	7.30
	.14	0.00	.41	1.09	1.09	.41	3.14	
	05	0.00	14	37	37	14	1.07	
ESE	0	0	1	2	2	0	9	8.99
	0.00	0.00	.14	.27	.27	0.00	1.23	
	0.00	0.00	05	09	09	0.00	37	
SE	0	1	5	4	1	3	14	6.62
	0.00	.14	.68	.55	.14	.41	1.91	
	0.00	05	23	19	05	14	65	
SSE	0	2	1	4	1	2	9	7.42
	0.00	.27	.14	.55	.14	.27	1.23	
	0.00	09	05	19	05	09	42	
S	2	8	4	5	2	3	17	7.06
	.27	1.09	.55	.68	.27	.41	2.32	
	09	37	19	23	09	14	79	
SSW	1	8	6	4	2	3	19	7.71
	.14	1.09	.82	.55	.27	.41	2.59	
	05	37	28	19	09	14	89	
SW	0	5	9	4	3	2	11	7.80
	0.00	.68	1.23	.55	.41	.27	1.50	
	0.00	23	42	19	14	09	51	
WSW	1	2	6	1	1	0	11	7.51
	.14	.27	.82	.14	.14	0.00	1.50	
	05	09	28	05	05	0.00	51	
W	0	0	4	3	1	0	8	7.89
	0.00	0.00	.55	.41	.14	0.00	1.09	
	0.00	0.00	19	14	05	0.00	37	
WNW	0	0	1	2	2	0	5	7.17
	0.00	0.00	.14	.27	.27	0.00	.68	
	0.00	0.00	05	09	09	0.00	23	
NW	0	1	2	1	0	0	4	9.01
	0.00	.14	.27	.14	0.00	0.00	.55	
	0.00	05	09	05	0.00	0.00	19	
NNW	1	0	2	2	2	2	9	8.43
	.14	0.00	.27	.27	.27	.27	1.23	
	05	0.00	09	09	09	09	42	
N	2	4	9	5	4	3	27	7.57
	.27	.55	1.23	.68	.55	.41	3.69	
	09	19	42	23	19	14	1.26	
CALM	1	3	5	1	0	0	10	
	.14	.41	.68	.14	0.00	0.00	1.37	
	05	14	23	05	0.00	0.00	47	
	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	10	27	119	228	200	147	731	7.49
	1.37	3.69	16.32	31.11	27.56	20.05	100.00	
	47	1.26	5.55	10.64	9.43	6.86	34.20	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

Rev. 8
2/82

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL E
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.00.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1	1	2	2	0	3	9	6.63
	.20	.20	.40	.40	0.00	.60	1.81	
	.05	.05	.09	.09	0.00	.14	.42	
NE	0	1	9	9	0	0	19	5.00
	0.00	.20	1.81	1.81	0.00	0.00	3.83	
	0.00	.05	.42	.42	0.00	0.00	.89	
ENE	0	0	7	3	1	1	21	8.59
	0.00	.40	1.41	.60	1.41	1.61	4.83	
	0.00	.09	.05	.14	.33	.37	.98	
E	0	0	1	3	7	0	15	7.63
	0.00	0.00	.20	1.01	1.41	0.00	2.62	
	0.00	0.00	.05	.42	.33	0.00	.61	
ESE	1	0	0	2	3	0	19	7.21
	.20	.20	0.00	1.41	.60	.60	3.00	
	.05	.05	0.00	.33	.14	.14	.70	
SE	0	1	4	12	6	3	26	7.01
	0.00	.20	.81	2.42	1.21	.60	5.24	
	0.00	.05	.19	.56	.28	.14	1.21	
SSE	0	0	4	10	9	7	49	9.22
	0.00	0.00	.81	2.02	2.62	1.44	9.89	
	0.00	0.00	.19	.47	.61	1.03	2.29	
S	1	0	5	18	40	31	109	8.80
	.20	0.00	1.01	3.63	8.06	6.25	21.17	
	.05	0.00	.23	.84	1.87	1.45	4.90	
SSW	0	0	5	7	15	5	54	7.36
	0.00	0.00	1.01	5.85	3.02	1.01	10.89	
	0.00	0.00	.23	1.35	.70	.23	2.52	
SW	0	0	2	9	25	0	136	6.19
	0.00	0.00	1.21	1.01	.40	0.00	2.62	
	0.00	0.00	.28	.23	.09	0.00	.61	
WSW	0	0	1	8	2	0	11	6.60
	0.00	0.00	.20	1.61	.40	0.00	2.22	
	0.00	0.00	.05	.37	.09	0.00	.51	
W	0	1	2	7	9	3	32	7.54
	0.00	.20	.40	1.41	1.81	.60	4.44	
	0.00	.05	.09	.33	.42	.14	1.03	
WNW	0	0	3	27	21	4	55	7.48
	0.00	0.00	.60	5.44	4.23	.81	11.09	
	0.00	0.00	.14	1.26	.98	.19	2.57	
NW	1	0	1	10	21	4	43	7.83
	.20	0.00	.20	2.02	4.23	.81	8.47	
	.05	0.00	.05	.70	.98	.19	1.96	
NNW	0	0	0	11	15	4	30	8.26
	0.00	0.00	0.00	2.22	3.02	.81	6.05	
	0.00	0.00	0.00	.51	.70	.19	1.40	
N	1	0	1	5	9	1	17	6.27
	.20	.20	.20	1.01	.60	0.00	2.22	
	.05	.05	.05	.23	.14	0.00	.51	
CALM	1						1	CALM
	.20						.20	
	.05						.05	
TOTAL	5	8	45	183	164	90	496	7.81
	1.21	1.61	9.07	36.90	33.06	18.15	100.00	
	.28	.37	2.10	8.54	7.65	4.20	23.15	

KEY: XXX NUMBER OF OCCURRENCES
XXY PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL F
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.00.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	2	3	2	0	11	6.50
	0.00	0.00	.92	1.38	.92	0.00	3.38	
	0.00	0.00	.14	.23	.14	0.00	.51	
NE	0	0	4	5	4	0	19	5.64
	0.00	0.00	1.23	1.85	.62	0.00	3.69	
	0.00	0.00	.19	.28	.09	0.00	.56	
ENE	1	0	2	5	6	1	19	7.02
	.31	0.00	.62	1.54	1.85	.31	3.69	
	.05	0.00	.09	.23	.28	.05	.89	
E	0	1	2	4	3	1	16	5.90
	0.00	.31	.62	1.54	0.00	.31	2.77	
	0.00	.05	.09	.23	0.00	.05	.42	
ESE	0	0	1	8	0	0	9	5.98
	0.00	0.00	.31	2.46	0.00	0.00	2.77	
	0.00	0.00	.05	.37	0.00	0.00	.42	
SE	0	0	1	4	3	0	18	7.31
	0.00	0.00	.31	1.23	.92	0.00	2.46	
	0.00	0.00	.05	.19	.14	0.00	.37	
SSE	0	0	1	8	15	2	27	7.84
	0.00	0.00	.62	2.46	4.62	.62	8.31	
	0.00	0.00	.09	.37	.70	.09	1.26	
S	0	1	7	37	70	8	123	7.63
	0.00	.31	.92	9.54	9.00	2.46	22.46	
	0.00	.05	.14	1.45	1.40	.37	3.41	
SSW	0	0	0	12	4	7	23	8.25
	0.00	0.00	0.00	3.69	1.23	2.15	7.08	
	0.00	0.00	0.00	.56	.19	.33	1.07	
SW	0	0	0	6	7	4	17	6.56
	0.00	.62	.62	1.85	2.15	0.00	5.33	
	0.00	.09	.09	.28	.33	0.00	.79	
WSW	0	0	2	5	6	1	18	5.90
	0.00	.62	1.54	1.54	1.85	0.00	5.54	
	0.00	.09	.23	.23	.28	0.00	.84	
W	0	0	3	7	7	2	24	5.83
	0.00	0.00	1.85	5.23	.31	0.00	7.38	
	0.00	0.00	.28	.79	.05	0.00	1.12	
WNW	0	1	3	10	16	0	30	6.99
	0.00	.31	.92	3.08	4.92	0.00	9.23	
	0.00	.05	.14	.47	.75	0.00	1.40	
NW	0	0	0	11	13	2	26	7.27
	0.00	0.00	0.00	3.38	4.00	.62	8.00	
	0.00	0.00	0.00	.51	.61	.09	1.21	
NNW	0	0	1	6	7	0	14	7.03
	0.00	0.00	.31	1.85	2.15	0.00	4.31	
	0.00	0.00	.05	.28	.33	0.00	.65	
N	0	1	3	8	1	1	12	6.29
	0.00	.31	.92	2.46	.31	.31	3.69	
	0.00	.05	.14	.37	.05	.05	.56	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	1	8	42	139	115	20	325	7.01
	.31	2.46	12.92	42.77	35.38	6.15	100.00	
	.05	.37	1.96	6.49	5.37	.93	15.17	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.03.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00	1 .48	3 1.44	3 1.44	6 2.87	0 0.00	13 6.22	6.35
	0.00	.05	.14	.14	.28	0.00	.61	
NE	0 0.00	1 .48	2 .96	3 1.44	1 .48	0 0.00	7 3.35	5.33
	0.00	.05	.09	.14	.05	0.00	.33	
ENE	0 0.00	0 0.00	1 .48	0 0.00	0 0.00	1 .48	2 .96	7.45
	0.00	0.00	.05	0.00	0.00	.05	.09	
E	0 0.00	0 0.00	4 1.91	1 .48	3 1.44	0 0.00	8 3.83	6.04
	0.00	0.00	.19	.05	.14	0.00	.37	
ESE	0 0.00	0 0.00	1 .48	2 .96	0 0.00	1 .48	4 1.91	6.72
	0.00	0.00	.05	.09	0.00	.05	.19	
SE	0 0.00	1 .48	2 .96	2 .96	3 3.83	0 0.00	8 3.83	7.02
	0.00	.05	.09	.09	.37	0.00	.61	
SSE	0 0.00	0 0.00	0 0.00	5 2.39	11 5.26	1 .48	17 8.13	8.23
	0.00	0.00	0.00	.23	.51	.05	.79	
S	0 0.00	0 0.00	1 .48	2 .96	9 4.31	1 .48	13 6.22	8.02
	0.00	0.00	.05	.09	.42	.05	.61	
SSW	1 .48	1 .48	2 .96	3 1.44	7 3.35	1 .48	15 7.18	7.36
	.05	.05	.09	.14	.33	.05	.70	
SW	1 .48	2 .96	3 1.44	8 3.83	7 3.35	1 .48	22 10.53	6.55
	.05	.09	.14	.37	.33	.05	1.03	
WSW	0 0.00	1 .48	7 3.35	6 2.87	2 .96	0 0.00	16 7.66	5.71
	0.00	.05	.33	.28	.09	0.00	.75	
W	1 .48	2 .96	2 .96	5 2.39	4 1.91	0 0.00	14 6.70	5.74
	.05	.09	.09	.23	.19	0.00	.66	
WNW	0 0.00	1 .48	3 1.44	1 .48	0 0.00	0 0.00	5 2.39	4.36
	0.00	.05	.14	.05	0.00	0.00	.23	
NW	0 0.00	0 0.00	3 1.44	3 1.44	0 0.00	0 0.00	6 2.87	5.13
	0.00	0.00	.14	.14	0.00	0.00	.28	
NNW	0 0.00	0 0.00	0 0.00	4 1.91	2 .96	0 0.00	6 2.87	6.80
	0.00	0.00	0.00	.19	.09	0.00	.28	
N	0 0.00	1 .48	2 .96	3 1.44	0 0.00	0 0.00	6 2.87	4.67
	0.00	.05	.09	.14	0.00	0.00	.28	
CALM	0 0.00						0 0.00	CALM
TOTAL	3 1.44	11 5.26	36 17.22	67 32.06	86 41.15	6 2.87	209 100.00	6.76
	.14	.51	1.68	3.13	4.01	.28	9.75	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL NOVEMBER COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.00.46

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .09	6 .28	25 1.17	36 1.68	35 1.63	21 .98	125 5.83	7.09
NE	1 .05	7 .33	32 1.49	39 1.82	4 .19	0 0.00	83 3.87	5.00
ENE	1 .05	5 .23	9 .42	19 .89	18 .84	10 .47	62 2.89	6.98
E	1 .05	1 .05	10 .47	20 .93	18 .84	4 .19	54 2.52	6.94
ESE	2 .09	6 .28	3 .14	21 .98	8 .37	6 .28	46 2.15	6.61
SE	0 0.00	5 .23	14 .65	25 1.17	18 .84	6 .28	68 3.17	6.69
SSE	0 0.00	2 .09	22 1.03	65 3.03	56 2.61	40 1.87	185 8.63	7.91
S	3 .14	8 .37	47 2.19	130 6.07	120 5.60	76 3.55	384 17.92	7.87
SSW	1 .05	5 .23	18 .84	92 4.29	63 2.94	49 2.29	228 10.64	7.89
SW	2 .09	6 .28	17 .79	33 1.54	35 1.63	20 .93	113 5.27	7.52
WSW	0 0.00	3 .14	17 .79	26 1.21	25 1.17	4 .19	75 3.50	6.58
W	1 .05	3 .14	20 .93	49 2.29	44 2.05	8 .37	125 5.83	7.04
WNW	0 0.00	4 .19	14 .65	54 2.52	50 2.33	5 .23	127 5.93	7.08
NW	2 .09	2 .09	8 .37	52 2.43	69 3.22	46 2.15	179 8.35	8.67
NNW	2 .09	3 .14	10 .47	50 2.33	64 2.99	50 2.33	179 8.35	8.49
N	2 .09	6 .28	15 .70	26 1.21	47 2.19	13 .61	109 5.09	7.53
CALM	1 .05						1 .05	CALM
TOTAL	21 .98	72 3.36	281 13.11	737 34.39	674 31.45	358 16.71	2143 100.00	7.54

NUMBER OF VALID OBSERVATIONS 2143 99.21 PCT
NUMBER OF INVALID OBSERVATIONS 17 .79 PCT
TOTAL NUMBER OF OBSERVATIONS 2160 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL A
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.09.30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	1	0	1	0	2	6.55
	0.00	0.00	1.56	0.00	1.56	0.00	3.13	
	0.00	0.00	.05	0.00	.05	0.00	.10	
NE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ENE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ESE	1	0	0	0	0	0	1	1.90
	1.56	0.00	0.00	0.00	0.00	0.00	1.56	
	.05	0.00	0.00	0.00	0.00	0.00	.05	
SE	1	1	0	0	0	0	2	2.70
	1.56	1.56	0.00	0.00	0.00	0.00	3.13	
	.05	.05	0.00	0.00	0.00	0.00	.10	
SSE	0	0	1	1	1	0	4	7.82
	0.00	0.00	1.56	1.56	1.56	0.00	6.25	
	0.00	0.00	.05	.05	.05	0.00	.21	
S	0	0	1	4	3	0	8	6.82
	0.00	0.00	1.56	6.25	4.69	0.00	12.50	
	0.00	0.00	.05	.21	.16	0.00	.42	
SSW	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SW	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WSW	0	0	0	0	0	0	0	3.90
	0.00	0.00	4.69	0.00	0.00	0.00	4.69	
	0.00	0.00	.16	0.00	0.00	0.00	.16	
W	0	0	0	1	0	0	1	5.30
	0.00	0.00	0.00	3.13	0.00	0.00	3.13	
	0.00	0.00	0.00	.10	0.00	0.00	.10	
WNW	1	0	0	0	0	0	1	.80
	1.56	0.00	0.00	0.00	0.00	0.00	1.56	
	.05	0.00	0.00	0.00	0.00	0.00	.05	
NW	1	0	0	1	1	0	3	5.23
	1.56	0.00	0.00	1.56	1.56	0.00	4.69	
	.05	0.00	0.00	.05	.05	0.00	.16	
NNW	0	0	0	7	8	9	24	9.29
	0.00	0.00	0.00	10.94	12.50	14.06	37.50	
	0.00	0.00	0.00	.36	.42	.47	1.25	
N	0	0	0	1	4	3	14	7.85
	0.00	0.00	4.69	1.56	3.13	6.25	21.88	
	0.00	0.00	.16	.05	.10	.21	.73	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	2	2	9	20	18	12	64	7.47
	3.13	3.13	14.06	31.25	28.13	20.31	100.00	
	.10	.10	.47	1.04	.94	.68	3.33	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL B
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.09.30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	0	0	0	0	3	3	12.43
	0.00	0.00	0.00	0.00	0.00	2.94	2.94	
	0.00	0.00	0.00	0.00	0.00	.16	.16	
NE	0	1	0	0	0	0	1	2.10
	0.00	.98	0.00	0.00	0.00	0.00	.98	
	0.00	.05	0.00	0.00	0.00	0.00	.05	
ENE	0	0	0	0	0	0	0	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E	0	2	0	0	0	0	2	2.15
	0.00	1.96	0.00	0.00	0.00	0.00	1.96	
	0.00	.10	0.00	0.00	0.00	0.00	.10	
ESE	0	1	0	0	0	0	1	3.10
	0.00	0.00	.98	0.00	0.00	0.00	.98	
	0.00	0.00	.05	0.00	0.00	0.00	.05	
SE	0	2	0	0	0	0	2	2.05
	0.00	1.96	0.00	0.00	0.00	0.00	1.96	
	0.00	.10	0.00	0.00	0.00	0.00	.10	
SSE	0	0	1	3	0	0	4	5.37
	0.00	0.00	.98	2.94	0.00	0.00	3.92	
	0.00	0.00	.05	.16	0.00	0.00	.21	
S	0	0	1	5	1	0	7	6.50
	0.00	0.00	.98	4.90	.98	0.00	6.86	
	0.00	0.00	.05	.26	.05	0.00	.36	
SSW	0	0	0	4	1	1	6	8.24
	0.00	0.00	0.00	3.92	.98	.98	5.88	
	0.00	0.00	0.00	.21	.05	.05	.31	
SW	1	0	0	0	0	1	2	7.40
	.98	0.00	0.00	0.00	0.00	.98	1.96	
	.05	0.00	0.00	0.00	0.00	.05	.10	
WSW	0	0	0	0	0	1	1	6.45
	0.00	0.00	0.00	0.00	0.00	.98	.98	
	0.00	0.00	0.00	5.88	0.00	0.00	5.88	
W	1	0	0	5	0	0	6	4.80
	.98	0.00	2.94	.98	0.00	0.00	5.88	
	.05	0.00	.16	.05	0.00	0.00	.31	
WNW	0	2	0	1	1	0	4	6.73
	0.00	1.96	0.00	.98	1.96	0.00	3.92	
	0.00	.10	0.00	.05	.05	0.00	.21	
NW	0	3	2	5	2	1	13	7.15
	0.00	2.94	1.96	4.90	1.96	.98	12.75	
	0.00	.16	.10	.26	.10	.05	.68	
NNW	1	2	1	1	5	7	17	7.95
	.98	1.96	.98	.98	4.90	6.86	16.67	
	.05	.10	.05	.05	.26	.36	.88	
N	0	0	0	7	2	6	15	8.31
	0.00	0.00	0.00	6.86	1.96	5.88	14.71	
	0.00	0.00	0.00	.36	.10	.31	.78	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	3	13	11	34	24	18	102	7.12
	2.94	12.75	10.78	33.33	23.53	17.65	100.00	
	.16	.68	.57	1.77	1.25	.94	5.31	

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL C
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.09.30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0 0.00 0.00	1 .58 .05	0 0.00 0.00	0 0.00 0.00	1 .58 .05	3 1.74 .16	5 2.91 .26	11.81
NE	0 0.00 0.00	1 .58 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .58 .05	2.50
ENE	0 0.00 0.00	2 1.16 .10	0 0.00 0.00	0 0.00 0.00	1 .58 .05	2 1.16 .10	5 2.91 .26	6.60
E	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 1.74 .16	0 0.00 0.00	3 1.74 .16	8.00
ESE	0 0.00 0.00	1 .58 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .58 .05	3.67
SE	1 .58 .05	0 0.00 0.00	0 0.00 0.00	4 2.33 .21	0 0.00 0.00	0 0.00 0.00	5 2.91 .26	5.12
SSE	0 0.00 0.00	0 0.00 0.00	1 .58 .05	10 5.81 .52	2 1.16 .10	0 0.00 0.00	13 7.56 .68	6.79
S	0 0.00 0.00	0 0.00 0.00	6 3.49 .31	3 1.74 .16	3 1.74 .16	2 1.16 .10	14 8.14 .73	7.53
SSW	0 0.00 0.00	0 0.00 0.00	1 .58 .05	5 2.91 .26	1 .58 .05	0 0.00 0.00	7 4.07 .36	7.19
SW	0 0.00 0.00	1 .58 .05	4 2.33 .21	1 .58 .05	0 0.00 0.00	0 0.00 0.00	6 3.49 .31	4.45
WSW	2 1.16 .10	1 .58 .05	4 2.33 .21	1 .58 .05	2 1.16 .10	0 0.00 0.00	10 5.81 .52	5.96
W	0 0.00 0.00	1 .58 .05	2 1.16 .10	4 2.33 .21	1 .58 .05	1 .58 .05	9 5.23 .47	4.35
WNW	0 0.00 0.00	1 .58 .05	3 1.74 .16	2 1.16 .10	0 0.00 0.00	0 0.00 0.00	6 3.49 .31	8.72
NW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	5 2.91 .26	1 .58 .05	6 3.49 .31	7.33
NNW	0 0.00 0.00	2 1.16 .10	3 1.74 .16	4 2.33 .21	3 1.74 .16	1 .58 .05	13 7.56 .68	8.34
N	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	15 8.72 .78	10 5.81 .52	8 4.65 .42	33 19.19 1.72	9.16
CALM	0 0.00 0.00	1 .58 .05	1 .58 .05	4 2.33 .21	9 5.23 .47	10 5.81 .52	25 14.53 1.30	CALM
TOTAL	3 1.74 .16	12 6.98 .62	21 12.21 1.09	53 30.81 2.76	49 28.49 2.55	34 19.77 1.77	172 100.00 8.95	7.50

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL D
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15.09.30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .14 .05	8 1.08 .42	12 1.62 .62	8 1.08 .42	11 1.49 .57	15 2.03 .78	55 7.45 2.86	7.31
NE	1 .14 .05	8 1.08 .42	14 1.90 .73	11 1.49 .57	5 .68 .26	0 0.00 0.00	39 5.28 2.03	4.90
ENE	0 0.00 0.00	4 .68 .26	4 .54 .21	3 .41 .16	7 .95 .36	1 .14 .05	19 2.57 1.04	5.75
E	1 .14 .05	4 .54 .21	5 .68 .26	8 1.08 .42	0 0.00 0.00	0 0.00 0.00	18 2.44 .94	4.36
ESE	1 .14 .05	4 .54 .21	7 .95 .36	8 1.08 .42	1 .14 .05	0 0.00 0.00	21 2.85 1.09	4.61
SE	1 .14 .05	1 .14 .05	4 .54 .21	11 1.49 .57	3 .41 .16	1 .14 .05	22 2.99 1.15	5.71
SSE	1 .14 .05	3 .41 .16	4 .54 .21	10 1.35 .52	1 .14 .05	1 .14 .05	20 2.71 1.04	6.34
S	0 0.00 0.00	1 .14 .05	6 .81 .31	2 .27 .10	7 .95 .36	2 .27 .10	18 2.44 .94	8.09
SSW	1 .14 .05	2 .27 .10	8 1.08 .42	3 .41 .16	2 .27 .10	2 .27 .10	18 2.44 .94	7.76
SW	0 0.00 0.00	0 0.00 0.00	6 .81 .31	13 1.76 .68	6 .81 .31	1 .14 .05	26 3.53 1.35	7.45
WSW	0 0.00 0.00	4 .54 .21	9 1.22 .47	3 .41 .16	1 .14 .05	3 .41 .16	20 2.71 1.04	5.48
W	0 0.00 0.00	1 .14 .05	3 .41 .16	2 .27 .10	0 0.00 0.00	4 .54 .21	10 1.36 .52	7.94
WNW	1 .14 .05	1 .14 .05	6 .81 .31	8 1.08 .42	1 .14 .05	1 .14 .05	18 2.44 .94	7.88
NW	1 .14 .05	1 .14 .05	6 .81 .31	2 .27 .10	3 .41 .16	3 .41 .16	16 2.17 .83	8.83
NNW	0 0.00 0.00	2 .27 .10	9 1.22 .47	6 .81 .31	3 .41 .16	2 .27 .10	22 2.98 1.14	7.94
N	1 .14 .05	3 .41 .16	2 .27 .10	7 .95 .36	1 .14 .05	2 .27 .10	16 2.17 .83	8.75
CALM	1 .14 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .14 .05	CALM
TOTAL	11 1.49 .57	51 6.91 2.65	119 16.12 6.19	231 31.30 12.02	160 21.68 8.33	166 22.49 8.64	738 100.00 38.42	7.44

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL DECEMBER COMBINED

STABILITY CLASS PASQUILL E
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/11/81 15.09.30.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	4	2	0	0	7	4.21
	0.00	24	94	47	0.00	0.00	1.65	
	0.00	05	21	10	0.00	0.00	36	
NE	0	3	1	2	0	0	6	3.55
	0.00	71	24	47	0.00	0.00	1.42	
	0.00	16	05	10	0.00	0.00	31	
ENE	1	1	0	1	0	0	3	3.17
	24	24	0.00	24	0.00	0.00	71	
	05	05	0.00	05	0.00	0.00	16	
E	0	0	1	3	3	0	7	7.11
	0.00	0.00	24	71	0.00	0.00	1.55	
	0.00	0.00	05	16	0.00	0.00	36	
ESE	0	1	2	4	13	3	23	7.99
	0.00	24	47	94	2.83	71	5.19	
	0.00	05	10	21	62	16	1.15	
SE	0	0	0	2	14	5	21	7.78
	24	0.00	0.00	2.83	3.30	47	6.84	
	05	0.00	0.00	62	72	10	1.91	
SSE	1	0	0	1	5	0	7	7.43
	24	0.00	1.42	1.89	5.66	0.00	9.20	
	05	0.00	31	42	1.15	0.00	2.03	
S	0	0	0	1	19	4	24	9.82
	0.00	0.00	0.00	2.59	8.96	9.91	21.46	
	0.00	0.00	0.00	57	1.98	2.19	4.74	
SSW	0	0	2	12	34	13	61	8.74
	0.00	0.00	47	2.83	8.02	3.07	14.59	
	0.00	0.00	10	06	1.77	68	3.18	
SW	0	1	2	13	7	5	23	6.84
	0.00	24	47	3.07	1.18	47	5.45	
	0.00	05	10	68	26	10	1.20	
WSW	0	1	1	4	2	1	10	6.87
	0.00	24	24	94	47	47	2.36	
	0.00	05	05	21	10	10	52	
W	1	1	1	3	3	0	11	6.21
	24	24	24	1.18	71	0.00	2.59	
	05	05	05	26	16	0.00	57	
WNW	0	2	2	19	2	1	26	6.41
	0.00	47	47	4.48	47	24	6.13	
	0.00	10	10	99	10	05	1.36	
NW	0	0	4	15	7	3	29	7.19
	0.00	0.00	94	3.54	1.65	71	6.84	
	0.00	0.00	21	78	36	16	1.51	
NNW	1	0	0	20	15	4	43	7.30
	0.00	24	71	4.72	3.54	94	10.14	
	0.00	05	16	1.04	78	21	2.24	
N	0	1	1	9	7	0	17	7.11
	0.00	24	24	1.89	1.65	0.00	4.01	
	0.00	05	05	42	36	0.00	88	
CALM	0						0	CALM
	0.00						0.00	
	0.00						0.00	
TOTAL	4	13	20	139	166	72	424	7.86
	94	3.07	7.08	32.78	39.15	16.98	100.00	
	21	68	1.56	7.24	8.64	3.75	22.07	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD ALL DECEMBER COMBINED

STABILITY CLASS PASQUILL F
DATA SOURCE ON-SITE
WIND SENSOR HEIGHT 60.00 METERS
TABLE GENERATED 11/11/81 15.09.30.

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO. 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	0	1	5	1	3	0	10	5.43
	0.00	35	1.75	35	1.05	0.00	3.51	
	0.00	05	26	05	16	0.00	52	
NE	0	1	4	3	1	0	11	5.45
	0.00	35	1.40	1.75	35	0.00	3.86	
	0.00	05	21	26	05	0.00	57	
ENE	0	2	2	2	0	0	6	3.85
	0.00	70	70	70	0.00	0.00	2.11	
	0.00	10	10	10	0.00	0.00	31	
E	2	1	1	6	0	0	10	4.22
	70	35	35	2.11	0.00	0.00	3.51	
	10	05	05	31	0.00	0.00	52	
ESE	0	0	1	4	4	0	9	7.08
	0.00	0.00	35	1.40	1.40	0.00	3.16	
	0.00	0.00	05	21	21	0.00	47	
SE	0	0	2	5	1	0	8	6.20
	0.00	0.00	70	1.75	35	0.00	2.81	
	0.00	0.00	10	26	05	0.00	42	
SSE	0	0	4	10	16	0	30	7.27
	0.00	0.00	1.40	3.51	5.61	0.00	10.53	
	0.00	0.00	21	52	80	0.00	1.56	
S	0	3	4	14	27	5	53	7.74
	0.00	35	1.05	4.91	9.47	1.75	17.54	
	0.00	05	16	73	1.41	26	2.60	
SSW	0	0	2	20	16	16	54	8.59
	0.00	0.00	70	7.02	5.61	5.61	18.95	
	0.00	0.00	10	1.04	83	83	2.81	
SW	0	2	2	15	4	0	23	6.24
	0.00	35	70	5.26	1.40	0.00	7.72	
	0.00	05	10	78	21	0.00	1.15	
WSW	0	1	1	3	2	0	6	6.73
	0.00	0.00	35	1.05	70	0.00	2.11	
	0.00	0.00	05	16	10	0.00	31	
W	2	1	0	1	0	0	3	6.22
	0.00	35	0.00	1.75	70	0.00	2.81	
	0.00	05	0.00	26	10	0.00	42	
WNW	0	2	2	7	3	0	14	6.84
	0.00	70	70	2.46	3.16	0.00	7.02	
	0.00	10	10	36	47	0.00	1.04	
NW	0	1	2	9	2	0	13	5.86
	0.00	70	1.05	2.11	70	0.00	4.56	
	0.00	10	16	31	10	0.00	68	
NNW	0	1	1	7	1	0	10	7.16
	0.00	35	35	2.46	35	0.00	3.51	
	0.00	05	05	36	05	0.00	17	
N	0	2	2	7	1	1	13	6.81
	0.00	70	70	1.75	2.46	35	5.96	
	0.00	10	10	26	36	05	88	
CALM	1						1	CALM
	35						35	
	05						05	
TOTAL	3	15	25	109	101	22	285	6.98
	1.05	5.26	12.28	38.25	35.44	7.72	100.00	
	16	78	1.92	5.67	5.26	1.15	14.84	

KEY XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

TABLE 2.3-32 (Continued)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS

(MONTHLY - 60 METERS)

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

STABILITY CLASS: PASQUILL G
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15:09:30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	1 .74 .05	0 0.00 0.00	1 .74 .05	1 .74 .05	1 .74 .05	0 0.00 0.00	4 2.94 .21	4.87
NE	0 0.00 0.00	0 0.00 0.00	1 .74 .05	1 .74 .05	1 .74 .05	1 .74 .05	4 5.88 .21	6.99
ENE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .74 .05	0 0.00 0.00	0 0.00 0.00	1 .74 .05	6.60
E	0 0.00 0.00	1 .74 .05	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .74 .05	2.40
ESE	0 0.00 0.00	0 0.00 0.00	1 .74 .05	2 1.47 .10	3 2.21 .16	0 0.00 0.00	6 4.41 .31	7.57
SE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	1 .74 .05	1 .74 .05	0 0.00 0.00	2 1.47 .10	7.70
SSE	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	2 1.47 .10	7 5.15 .36	0 0.00 0.00	9 6.62 .47	8.36
S	0 0.00 0.00	1 .74 .05	0 0.00 0.00	2 1.47 .10	15 11.03 .78	0 0.00 0.00	20 14.71 1.04	7.53
SSW	1 .74 .05	0 0.00 0.00	1 .74 .05	9 6.62 .47	13 9.56 .68	1 .74 .05	25 18.38 1.30	7.40
SW	1 .74 .05	1 .74 .05	1 .74 .05	9 6.62 .47	0 0.00 0.00	0 0.00 0.00	12 8.82 .62	5.49
WSW	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	0.00
W	0 0.00 0.00	0 0.00 0.00	0 0.00 0.00	3 2.21 .16	0 0.00 0.00	0 0.00 0.00	3 2.21 .16	5.97
WNW	0 0.00 0.00	0 0.00 0.00	1 .74 .05	7 5.15 .36	3 2.21 .16	0 0.00 0.00	11 8.09 .57	6.97
NW	0 0.00 0.00	0 0.00 0.00	1 .74 .05	3 2.21 .16	4 2.94 .21	0 0.00 0.00	8 5.88 .42	6.97
NNW	1 .74 .05	1 .74 .05	0 0.00 0.00	1 .74 .05	1 .74 .05	0 0.00 0.00	4 2.94 .21	4.55
N	0 0.00 0.00	2 1.47 .10	2 1.47 .10	1 .74 .05	5 3.68 .26	1 .74 .05	11 8.09 .57	6.67
CALM	0 0.00 0.00						0 0.00 0.00	CALM
TOTAL	4 2.94 .21	6 4.41 .31	9 6.62 .47	60 44.12 3.12	54 39.71 2.81	3 2.21 .16	136 100.00 7.08	6.96

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES THIS CLASS
XXX PERCENT OCCURRENCES ALL CLASSES

JOINT WIND FREQUENCY DISTRIBUTION BY STABILITY CLASS
DATA PERIOD: ALL DECEMBER COMBINED

ALL CLASSES
DATA SOURCE: ON-SITE
WIND SENSOR HEIGHT: 60.00 METERS
TABLE GENERATED: 11/11/81 15:09:30

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO: 7699-064

WIND SECTOR	WIND SPEED CATEGORIES (METERS PER SECOND) 0.0-1.5	1.5-3.0	3.0-5.0	5.0-7.5	7.5-10.0	>10.0	TOTAL	MEAN SPEED
NNE	2 .10	11 .57	23 1.20	12 .62	17 .88	24 1.25	89 4.63	7.31
NE	1 .05	14 .73	20 1.04	23 1.20	7 .36	1 .05	66 3.44	5.04
ENE	1 .05	10 .52	6 .31	7 .36	9 .47	2 .10	35 1.82	5.35
E	3 .16	8 .42	7 .36	17 .88	6 .31	0 0.00	41 2.13	4.91
ESE	1 .05	7 .36	13 .68	19 .99	20 1.04	3 .16	63 3.28	6.31
SE	3 .16	4 .21	8 .42	33 1.72	19 .99	3 .16	70 3.64	6.45
SSE	2 .10	3 .16	15 .78	60 3.12	57 2.97	1 .05	138 7.18	7.04
S	0 0.00	3 .16	17 .88	70 3.64	101 5.26	62 3.23	253 13.17	8.46
SSW	2 .10	3 .16	13 .68	74 3.85	92 4.79	48 2.50	232 12.08	8.16
SW	3 .16	5 .26	15 .78	51 2.65	20 1.04	9 .47	103 5.36	6.53
WSW	0 0.00	6 .31	16 .83	20 1.04	6 .31	6 .31	54 2.81	5.98
W	2 .10	4 .21	10 .52	20 1.04	6 .31	4 .21	46 2.39	6.13
WNW	2 .10	7 .36	11 .57	42 2.19	33 1.72	14 .73	109 5.67	7.17
NW	2 .10	8 .42	21 1.09	54 2.81	50 2.60	35 1.82	170 8.85	7.81
NNW	2 .10	10 .52	14 .73	88 4.58	79 4.11	52 2.71	245 12.75	7.93
N	1 .05	9 .47	25 1.30	56 2.92	50 2.60	64 3.33	205 10.67	8.30
CALM	2 .10						2 .10	CALM
TOTAL	29 1.51	112 5.83	234 12.18	646 33.63	572 29.78	328 17.07	1921 100.00	7.42

NUMBER OF VALID OBSERVATIONS: 1921 — 86.07 PCT
NUMBER OF INVALID OBSERVATIONS: 311 — 13.93 PCT
TOTAL NUMBER OF OBSERVATIONS: 2232 — 100.00 PCT

KEY: XXX NUMBER OF OCCURRENCES
XXX PERCENT OCCURRENCES

TABLE 2.3-33

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH -DAY) - 730601 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/17/81 TIME - 10.01.50

WIND DIRECTION PERSISTENCE - PASQUILL #A#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	12	9	2	2	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	9	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	7	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	14	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	19	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	24	5	5	3	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	47	21	15	17	7	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	43	19	18	8	5	7	4	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	25	14	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	7	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	12	3	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	8	4	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	15	5	5	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	17	10	9	8	3	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	20	9	4	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	4.99	5.21	6.42	5.77	5.06	3.13	0.	6.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	4.62	3.20	3.33	8.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	4.06	4.16	5.19	0.	0.	5.92	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	4.10	6.29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.68	4.73	5.46	9.06	3.99	7.18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	4.37	5.04	4.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	6.11	5.03	4.91	5.43	3.68	5.10	8.23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	6.05	7.79	6.46	7.23	7.29	7.93	8.41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.80	7.21	6.85	6.95	7.60	7.27	7.02	12.05	8.17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	7.07	7.49	5.69	0.	0.	8.95	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	3.89	7.88	0.	3.96	0.	9.62	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	4.87	4.10	4.21	5.63	0.	6.35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	6.22	6.16	6.98	0.	0.	0.	14.33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	6.26	7.62	7.68	5.77	8.52	0.	0.	8.24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	6.92	6.28	7.25	6.55	7.09	9.17	0.	6.96	9.11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	5.89	5.53	7.06	5.80	7.63	6.90	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO OF OBSERVATIONS = 26304
TOTAL NO. OF INVALID OBSERVATIONS = 1351

SNUPPS-WC

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/17/81 TIME - 10.04.52

WIND DIRECTION PERSISTENCE - PASQUILL #3#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	9	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	21	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	15	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	12	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	14	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	9	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	14	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	6.68	0.	5.33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	3.40	3.74	0.	0.	0.	0.	0.	0.	0.	4.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.13	0.	6.72	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	4.54	11.09	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.40	0.	87	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	5.01	4.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	5.78	0.	0.	5.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	6.53	6.83	6.53	5.91	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.61	5.13	8.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	5.24	5.42	0.	8.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	6.45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	4.92	0.	2.49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	4.32	6.09	0.	8.48	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	6.08	7.23	9.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	6.88	6.83	6.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6.13	5.14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 26304
TOTAL NO. OF INVALID OBSERVATIONS = 1351

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07599-054-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/17/81 TIME - 10.08.03

WIND DIRECTION PERSISTENCE - PASQUILL #C#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	9	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	24	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	26	9	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	8	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	6	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	19	4	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	14	4	7	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	14	1	3	1	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	3.98	7.32	0.	10.16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	3.58	2.52	6.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	5.54	7.21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	5.30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	5.18	3.96	6.38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	4.88	4.74	3.79	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	5.31	4.94	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	5.53	4.70	5.54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.78	7.80	5.79	8.86	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	6.06	6.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	4.14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	5.32	2.50	0.	3.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	5.74	99.99	6.50	0.	8.35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	6.75	5.29	10.24	0.	6.24	0.	0.	7.12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	5.91	6.50	6.08	0.	99.9999	99	0.	0.	5.19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6.82	3.31	6.89	9.18	7.19	0.	0.	0.	7.68	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 26304
TOTAL NO. OF INVALID OBSERVATIONS = 1351

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/17/81 TIME - 10.11.29.

WIND DIRECTION PERSISTENCE - PASQUILL %D#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	44	33	18	10	6	4	2	1	3	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0
NE	45	16	7	7	4	1	2	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
ENE	29	14	10	8	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	38	18	9	4	2	2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
ESE	26	25	5	2	1	4	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
SE	33	20	5	2	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	53	25	10	5	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	141	54	31	14	7	9	5	7	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	82	42	12	4	3	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	34	9	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	16	7	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	21	11	8	3	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
WNW	32	6	4	5	2	0	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
NW	48	27	11	11	5	3	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
NNW	60	28	20	13	7	6	6	1	1	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0
N	68	32	16	13	12	3	2	2	3	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	4.11	4.96	4.89	5.00	6.58	7.91	4.83	8.08	6.03	6.97	0.	5.29	0.	0.	6.79	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	3.53	4.27	4.15	4.24	6.96	7.04	4.63	5.40	0.	0.	0.	0.	0.	0.	0.	7.05	0.	0.	0.	0.	0.	0.	0.	0.
ENE	4.02	3.37	4.14	6.28	5.03	4.04	0.	0.	5.84	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	4.09	4.80	4.64	5.41	3.35	5.40	0.	0.	0.	0.	0.	3.96	5.11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	4.91	5.18	5.45	3.61	4.54	4.68	0.	0.	0.	4.93	0.	10.31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	4.53	5.04	4.49	4.46	0.	6.00	9.28	9.50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	4.81	5.74	5.66	6.47	4.49	0.	8.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	6.30	6.03	7.14	6.18	5.94	7.31	7.77	8.43	5.89	6.39	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.68	7.21	6.94	5.86	8.75	7.03	0.	0.	0.	7.15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	5.05	4.83	4.88	6.91	4.40	8.63	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	5.04	5.38	2.68	0.	8.07	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	4.20	5.50	5.48	6.31	7.48	2.99	0.	0.	0.	0.	0.	6.28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	4.69	5.34	5.82	8.77	7.78	0.	6.51	6.27	0.	0.	0.	0.	8.11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	5.90	5.75	7.14	7.70	6.81	7.70	0.	9.75	0.	0.	7.98	0.	0.	0.	0.	0.	6.65	0.	0.	0.	0.	0.	0.	0.
NNW	5.40	5.97	7.22	5.51	6.63	6.61	7.73	9.99	9.46	0.	0.	6.01	10.14	0.	6.72	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4.59	5.30	6.12	6.13	5.98	5.59	6.65	9.37	7.37	5.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.38	0.	99.99	0.

TOTAL NO. OF OBSERVATIONS = 26304
TOTAL NO. OF INVALID OBSERVATIONS = 1351

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/17/81 TIME - 10.14.31.

WIND DIRECTION PERSISTENCE - PASQUILL #E#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	13	13	6	2	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	27	9	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	29	8	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	30	12	7	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	29	13	7	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	64	14	5	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	87	39	15	9	6	5	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	118	57	34	28	17	12	12	2	2	0	3	4	1	1	1	0	0	0	0	0	0	0	0	0
SSW	48	22	13	6	4	2	2	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
SW	33	5	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	15	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	26	14	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	25	10	5	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	28	8	6	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	28	14	2	1	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	3.02	5.10	3.55	4.42	0.	0.	10.23	0.	0.	0.	6.07	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	2.94	3.32	3.85	0.	0.	0.	2.15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.17	3.33	3.62	4.44	4.60	5.24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	4.52	4.38	4.35	6.62	6.62	5.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	4.46	3.77	5.10	5.32	5.08	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	3.79	5.19	3.03	6.01	4.11	7.68	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	3.87	4.52	4.40	5.54	5.18	5.67	5.18	6.67	5.08	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	4.67	5.14	5.34	5.82	5.19	5.82	6.57	3.92	6.66	0.	6.04	8.16	10.20	9.39	9.94	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	4.63	6.01	5.17	5.86	5.76	8.07	6.50	0.	7.00	0.	8.10	0.	4.81	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	3.94	3.67	7.52	5.02	3.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	3.07	4.74	2.89	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	3.23	4.71	3.15	4.08	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	3.63	3.84	4.08	0.	5.82	0.	5.41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	3.66	4.19	3.79	6.15	4.53	4.00	4.61	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	3.88	4.29	3.95	5.20	6.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4.17	4.59	4.11	3.38	3.88	0.	6.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 26304
TOTAL NO. OF INVALID OBSERVATIONS = 1351

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07899-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/17/81 TIME - 10.17.49

WIND DIRECTION PERSISTENCE - PASQUILL #F#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	15	1	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	11	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	18	3	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	24	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	24	10	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	43	19	7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	71	34	17	6	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	63	20	7	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	31	6	6	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	15	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	13	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	13	5	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	31	7	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	26	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	14	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.82	3.17	3.26	3.16	3.24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	2.50	2.79	0.	3.24	3.17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	2.82	2.80	2.91	0.	3.46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	3.28	3.19	3.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	2.94	3.78	2.57	4.59	1.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	2.94	2.98	2.71	2.10	2.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	3.10	3.09	2.76	3.62	3.05	3.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	3.57	3.50	3.79	3.69	2.74	3.55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	3.20	2.94	3.91	3.87	3.32	6.67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	2.58	2.86	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	2.49	2.56	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	3.02	3.33	0.	2.38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	2.57	3.11	4.26	3.50	3.27	0.	0.	0.	3.99	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	2.74	2.96	2.32	0.	2.85	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	2.89	2.77	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3.21	3.40	3.26	3.16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO OF OBSERVATIONS = 26304
TOTAL NO OF INVALID OBSERVATIONS = 1351

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/17/81 TIME - 10.24.23.

WIND DIRECTION PERSISTENCE - PASQUILL ALL
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	111	62	42	29	18	4	9	4	9	3	4	2	0	1	0	2	1	0	0	0	0	0	0	0
NE	119	44	30	29	8	7	3	2	3	2	1	0	0	1	0	1	0	0	0	0	0	0	0	0
ENE	101	49	25	17	8	7	4	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
E	126	57	29	21	8	6	3	2	1	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0
ESE	127	63	31	16	12	6	2	5	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
SE	180	91	52	23	14	6	10	2	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
SSE	254	123	75	59	21	23	13	6	5	7	1	1	1	0	0	0	1	2	0	0	0	1	0	0
S	298	164	106	67	62	33	39	20	13	12	7	4	9	5	5	1	4	1	2	0	0	0	0	5
SSW	222	104	61	28	26	18	15	11	7	6	6	5	0	2	1	0	1	0	0	0	3	1	1	1
SW	119	60	21	10	8	2	2	1	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0
WSW	79	30	11	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	92	38	21	10	9	4	1	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
WNW	111	48	12	9	6	3	5	3	2	1	2	2	0	0	0	0	0	1	0	0	0	0	0	0
NW	141	58	32	23	17	12	7	5	0	2	4	0	2	0	0	0	2	0	0	1	1	0	0	0
NNW	124	63	33	29	18	24	13	10	10	4	6	1	2	0	1	0	1	0	1	0	1	1	0	2
N	139	82	36	24	22	12	7	8	3	5	2	4	1	3	0	0	0	0	0	0	1	1	0	2

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	3.88	4.46	3.97	4.80	5.49	2.90	4.98	5.34	5.61	5.52	5.44	6.84	0.	9.24	0	8.79	2.80	0.	0.	0.	0.	0.	0.	0
NE	3.33	3.36	3.71	3.62	4.75	3.42	5.21	5.05	4.49	4.77	3.14	0.	0.	3.76		7.05	0.	0.	0.	0.	0.	0.	0.	0
ENE	3.35	3.40	3.66	3.22	4.87	4.79	4.82	4.47	5.84	0.	4.30	4.60	0.	0.		0.	0.	0.	0.	0.	0.	0.	0.	0
E	3.85	4.14	4.32	3.32	4.29	4.69	3.80	5.30	3.29	0.	0.	3.88	5.11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
ESE	3.45	4.02	4.29	4.34	4.58	4.12	7.56	6.01	0.	4.93	0.	8.30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
SE	3.44	3.61	3.59	3.50	4.22	6.06	3.92	4.52	6.52	0.	0.	0.	0.	0.	0.	0.	8.83	0.	0.	0.	0.	0.	0.	0
SSE	3.79	3.87	3.83	4.12	4.72	4.80	5.40	5.55	4.13	5.41	2.78	8.10	6.11	0.	0.	0.	3.06	4.83	0.	0.	0.	0.	0.	0
S	4.23	4.77	4.85	5.47	5.43	6.47	5.75	6.69	6.23	5.83	6.45	6.56	7.12	6.74	8.15	8.87	7.89	9.06	0.	0.	0.	7.68	5.91	5.91	7.91
SSW	4.58	5.54	5.99	6.39	6.25	6.53	5.89	7.85	7.50	7.36	6.82	7.01	0.	7.37	5.00	0.	7.62	0.	7.43	0.	0.	0.	0.	5.28
SW	4.14	5.20	5.20	5.42	8.26	8.27	8.19	4.37	0.	0.	0.	0.	4.46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
WSW	3.79	4.11	4.08	4.46	8.07	6.72	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
W	3.62	4.13	4.15	4.75	4.76	4.88	5.27	3.43	5.14	0.	0.	6.28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0
WNW	3.72	3.77	4.42	6.22	5.87	5.09	6.35	5.91	10.34	4.94	4.87	4.42	0.	0.	0.	0.	0.	8.11	0.	0.	0.	0.	0.	0
NW	3.90	4.37	5.00	6.15	5.18	5.93	8.08	6.29	0.	4.39	6.07	0.	9.10	0.	8.40	0.	8.57	0.	0.	7.77	7.31	0.	7.35	0
NNW	4.13	4.61	5.66	5.41	6.06	5.88	7.13	6.44	5.91	6.49	7.86	8.55	8.42	0.	0.	0.	6.21	0.	5.49	0.	0.	0.	0.	8.45
N	4.41	4.53	4.37	5.48	4.95	6.21	6.78	6.44	4.87	7.62	7.54	5.34	7.04	6.04	0.	0.	0.	0.	0.	0.	7.38	8.18	0.	5.83

TOTAL NO. OF OBSERVATIONS = 26304
TOTAL NO. OF INVALID OBSERVATIONS = 177

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - .74
DATE OF THIS RUN - 11/17/81 TIME - 10.20.42

WIND DIRECTION PERSISTENCE - PASQUILL #G#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	17	3	4	5	2	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	15	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	10	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	19	8	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	21	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	40	12	6	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	44	17	11	6	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	29	7	10	2	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	16	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	13	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	18	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	22	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	16	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	13	6	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.95	2.42	2.77	3.06	3.16	3.53	0.	2.14	0.	2.87	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	2.42	3.11	2.92	2.72	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.18	2.78	3.36	3.59	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	3.01	2.86	3.20	3.32	0.	0.	3.21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	2.58	2.78	2.99	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	2.46	2.54	3.20	2.88	3.29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	2.74	3.07	2.60	3.06	0.	99.99	0.	0.	0.	2.59	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	2.94	2.65	2.95	2.23	1.10	2.62	2.45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	2.55	4.34	.93	0.	0.	2.66	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	2.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	1.97	1.97	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	2.10	1.81	2.30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	1.99	2.62	2.12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	2.13	1.85	2.03	2.78	0.	2.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	2.29	2.67	2.58	3.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2.58	2.55	2.66	3.67	2.29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 26304
TOTAL NO. OF INVALID OBSERVATIONS = 1351

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/17/81 TIME - 14.18.53

WIND DIRECTION PERSISTENCE - PASQUILL #S#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	38	24	17	10	2	1	2	1	3	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
NE	47	21	8	11	1	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	53	20	12	7	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	70	34	15	8	3	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	72	33	18	8	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	129	59	28	14	8	5	4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
SSE	171	68	52	44	17	14	4	2	4	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0
S	186	91	55	41	27	14	21	5	5	3	4	5	1	1	1	0	0	0	0	0	0	0	0	0
SSW	90	34	20	9	9	5	4	1	3	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0
SW	55	17	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	38	8	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	39	14	7	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	57	25	5	6	2	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
NW	70	24	11	8	6	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	55	27	13	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	55	30	11	6	6	1	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.86	4.34	3.08	3.34	3.40	2.97	3.50	2.68	4.78	0.	4.17	2.78	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	2.56	2.89	3.52	3.08	2.55	2.21	2.15	0.	0.	0.	3.48	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	2.74	3.04	3.58	3.08	4.10	4.80	3.63	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	3.54	3.66	3.89	4.45	3.76	4.76	3.32	4.09	3.29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.19	3.40	3.64	4.95	3.85	4.26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	3.12	3.31	2.97	3.39	3.33	4.31	2.82	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	3.32	3.55	3.32	3.77	3.91	4.51	4.81	4.79	3.60	4.40	2.63	0.	0.	0.	4.75	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	3.97	4.36	4.45	4.87	4.78	5.41	5.37	3.57	4.99	4.55	5.45	7.56	10.20	9.39	9.94	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	3.59	4.60	4.71	5.27	3.78	5.13	5.12	3.40	5.96	0.	6.86	6.42	4.81	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	3.21	3.51	4.78	5.02	3.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	2.56	2.70	3.26	2.58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	2.70	3.02	2.82	2.61	3.58	5.16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	2.87	3.39	3.61	2.69	4.54	0.	5.41	0.	0.	3.87	0.	3.92	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	2.92	3.25	2.82	4.00	3.94	3.28	3.78	2.52	4.50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	3.24	3.29	3.64	4.28	3.49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3.45	3.75	3.12	3.93	3.59	3.34	0.	3.04	0.	5.29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 26304
TOTAL NO. OF INVALID OBSERVATIONS = 1351

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 740531
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81. TIME - 09.44.59.

WIND DIRECTION PERSISTENCE - PASQUILL #A#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	4	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	10	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	19	10	9	6	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	8	6	9	0	3	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	12	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	5	2	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	3	1	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	3	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	5.04	3.19	0.	6.30	0.	3.13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	5.19	2.59	3.10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	5.24	4.10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	3.98	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	5.84	0.	7.07	9.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	6.20	0.	5.70	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	7.00	4.93	5.58	6.25	3.68	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	6.62	8.08	7.01	8.00	7.32	11.86	12.39	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	7.05	7.08	7.97	0.	8.35	0.	5.46	15.04	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	7.51	8.20	10.66	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	2.50	0.	0.	0.	0.	9.62	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	6.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	5.61	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	6.15	8.37	8.40	4.22	9.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	7.68	7.54	6.61	6.41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	5.68	5.64	5.73	7.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO OF OBSERVATIONS = 8760
TOTAL NO OF INVALID OBSERVATIONS = 128

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 740531
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 10.16.45.

WIND DIRECTION PERSISTENCE - PASQUILL #B#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	11	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-MC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	5.61	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	3.52	0.	0.	0.	0.	0.	0.	0.	0.	4.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	4.54	11.09	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	3.81	4.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	5.78	0.	0.	5.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	6.45	7.31	10.59	5.91	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.94	5.13	10.65	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	5.42	5.53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	6.15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	3.37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	3.40	6.09	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	5.21	6.34	11.24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	7.04	6.82	6.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6.55	5.57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8760
TOTAL NO. OF INVALID OBSERVATIONS = 128

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 740531
THRESHOLD OF ANEMOMETER (MPH) - .74
DATE OF THIS RUN - 11/13/81 TIME - 11.30.38

WIND DIRECTION PERSISTENCE - PASQUILL #C#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	3	2	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-MC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	4.33	5.58	0.	10.16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	3.36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	7.49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	6.75	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	4.29	0.	6.38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	4.94	4.74	3.79	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	5.46	4.94	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	5.25	4.32	5.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.43	7.87	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	5.77	6.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	4.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	5.25	2.50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	6.18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	5.25	6.93	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	5.80	4.89	6.70	0.	0.	0.	0.	5.19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6.14	0.	0.	0.	10.57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8760
TOTAL NO. OF INVALID OBSERVATIONS = 128

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 740531
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81. TIME - 11.33.22.

WIND DIRECTION PERSISTENCE - PASQUILL #D#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	12	13	7	1	3	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	16	2	1	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	7	4	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	14	4	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	5	5	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	9	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	19	7	4	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	60	19	8	4	2	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	24	12	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	17	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	7	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	5	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	15	2	1	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	20	14	5	4	3	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
NNW	26	8	4	9	4	3	2	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
N	25	8	4	7	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	5.04	4.63	4.48	4.17	6.45	7.89	3.82	8.08	0.	8.42	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	3.88	3.50	4.03	4.34	0.	7.04	4.32	0.	0.	0	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	5.06	2.93	4.92	6.90	5.33	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	4.92	3.39	2.87	5.27	2.35	5.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	4.49	4.66	3.61	4.29	0.	4.61	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	4.77	5.23	3.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	5.61	7.72	5.08	4.38	3.35	0.	10.88	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	6.72	7.30	7.92	6.04	6.08	7.78	7.33	7.52	5.89	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.69	6.94	4.83	6.66	9.46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	5.44	3.49	0.	7.99	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	4.72	3.80	0.	0.	7.36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	5.20	4.46	0.	4.36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	4.84	6.45	9.99	10.03	7.78	0.	0.	5.82	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	5.86	6.01	9.24	9.19	7.22	0.	0.	9.75	0.	0.	0.	0.	0.	0.	0.	0.	6.65	0.	0.	0.	0.	0.	0.	0.
NNW	5.38	4.80	6.79	6.13	7.52	4.64	8.17	99.99	0.	0.	0.	5.25	10.14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4.42	4.84	5.87	5.61	5.14	99.99	8.96	99.99	5.06	0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8760
TOTAL NO. OF INVALID OBSERVATIONS = 128

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 740531
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 11.36.25

WIND DIRECTION PERSISTENCE - PASQUILL *E*
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	5	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	8	4	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	10	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	10	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	29	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	39	13	6	7	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	56	17	11	15	8	4	4	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
SSW	11	7	4	4	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	11	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	9	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	9	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	14	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	7	5	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.97	4.68	3.06	5.09	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	2.55	3.63	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.15	4.05	4.23	0.	4.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	4.54	4.80	4.53	6.54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	4.91	3.41	4.63	0.	3.77	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	3.66	5.46	2.50	6.15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	4.11	4.57	4.69	5.08	4.91	9.64	4.72	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	4.86	5.66	5.91	5.94	5.56	5.03	6.18	4.33	0.	0.	5.46	5.56	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	4.29	6.04	4.75	6.70	5.28	8.21	0.	0.	8.88	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	3.89	0.	7.52	5.02	3.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	2.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	3.15	3.72	2.38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	3.60	4.15	3.72	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	4.17	4.28	4.21	6.47	5.04	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	3.70	3.56	3.00	6.45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4.19	4.09	4.11	0.	2.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8760
TOTAL NO. OF INVALID OBSERVATIONS = 128

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 740531
THRESHOLD OF ANEMOMETER (MPH) - .74
DATE OF THIS RUN - 11/13/81 TIME - 10.20.19

WIND DIRECTION PERSISTENCE - PASQUILL #F#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	9	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	6	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	6	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	18	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	27	9	7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	23	9	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	14	3	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	9	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.94	0.	0.	3.16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	2.40	0.	0.	3.99	3.17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.21	0.	3.30	0.	3.46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	2.58	1.52	3.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.06	4.10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	2.90	3.31	2.25	2.54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	3.07	3.03	2.79	5.27	2.99	2.78	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	3.61	3.59	4.19	3.75	2.74	3.71	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	3.07	2.86	2.63	0.	0.	6.67	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	2.65	2.53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	2.12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	1.12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	1.55	2.99	4.26	3.50	3.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	3.04	1.78	0.	0.	2.51	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	2.69	2.77	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3.50	3.46	3.23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8760
TOTAL NO. OF INVALID OBSERVATIONS = 128

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 740531
THRESHOLD OF ANEMOMETER (MPH) - .74
DATE OF THIS RUN - 11/13/81. TIME - 11.38.52.

WIND DIRECTION PERSISTENCE - PASQUILL #G#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	3	1	1	3	2	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	13	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	20	7	4	4	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	11	4	7	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	7	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.35	1.94	2.18	3.25	3.16	0.	0.	2.14	0.	2.87	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	1.99	3.99	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.20	4.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	2.77	3.14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.01	2.73	3.54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	2.75	2.19	2.77	2.78	3.29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	2.87	3.20	2.55	3.12	0.	99.99	0.	0.	0.	2.59	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	3.48	2.25	3.00	2.23	0.	2.49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	2.76	4.84	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	1.56	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	1.72	1.97	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	2.01	2.04	2.30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	2.54	2.30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	1.76	1.70	2.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	1.92	2.81	2.88	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2.01	2.10	2.77	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8760
TOTAL NO. OF INVALID OBSERVATIONS = 128

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 740531
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 10.23.44

WIND DIRECTION PERSISTENCE - PASQUILL ALL
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	36	20	8	8	6	2	4	2	1	2	1	0	0	0	0	1	1	0	0	0	0	0	0	0
NE	39	11	4	7	2	1	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
ENE	31	14	8	6	2	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
E	33	14	6	2	3	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	35	16	9	7	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	66	25	19	8	7	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	93	40	29	22	7	10	6	1	1	5	1	0	0	0	0	0	1	1	0	0	0	0	0	0
S	110	56	37	25	22	13	16	8	5	5	3	2	3	4	3	0	2	1	0	0	0	1	0	1
SSW	66	38	23	5	9	8	6	3	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
SW	38	22	8	5	5	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
WSW	30	12	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	31	12	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	33	17	4	5	3	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	54	24	10	6	5	6	4	2	0	0	2	0	1	0	0	0	1	0	0	0	1	0	1	0
NNW	39	23	12	8	8	6	2	4	5	2	2	0	1	0	0	0	0	0	1	0	0	0	0	1
N	48	27	12	7	7	6	2	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	3.95	3.90	2.73	5.09	6.58	3.22	4.06	5.38	1.89	5.52	2.28	0.	0.	0.	0.	9.15	2.80	0.	0.	0.	0.	0.	0.	0.
NE	3.04	3.61	2.62	3.62	2.90	7.04	4.32	0.	3.76	4.27	3.14	0.	0.	3.76	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.72	3.74	4.28	4.62	6.00	5.15	3.63	0.	0.	0.	4.30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	4.09	4.50	3.68	5.94	2.60	3.75	3.80	6.52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.69	3.96	3.74	4.87	4.87	4.65	0.	5.56	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	3.68	3.97	3.19	3.56	5.00	0.	3.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	4.06	4.11	3.89	4.03	4.44	5.40	5.53	5.09	5.35	5.43	2.78	0.	0.	0.	0.	0.	3.06	4.64	0.	0.	0.	0.	0.	0.
S	4.47	5.11	5.30	5.66	5.37	5.98	6.26	7.24	7.02	6.31	6.99	7.92	5.56	6.42	7.29	0.	5.87	9.06	0.	0.	0.	5.91	0.	6.57
SSW	4.85	5.17	5.73	7.07	7.18	7.32	5.24	10.40	7.75	0.	0.	7.66	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	4.35	5.80	6.42	5.63	8.70	7.60	0.	0.	0.	0.	0.	0.	4.46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	3.96	3.36	2.22	0.	7.36	9.62	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	3.67	3.57	3.28	4.97	2.59	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	3.99	3.90	3.76	6.83	6.28	5.09	0.	5.82	0.	0.	3.88	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	3.58	4.56	4.37	5.98	6.44	5.43	7.72	10.26	0.	0.	5.08	0.	10.65	0.	0.	0.	10.38	0.	0.	0.	7.31	0.	6.74	0.
NNW	4.33	4.20	5.74	6.28	5.68	5.71	5.06	5.92	5.58	6.68	6.64	0.	2.01	0.	0.	0.	0.	0.	5.49	0.	0.	0.	0.	9.02
N	4.12	4.90	4.56	4.94	5.32	7.13	7.39	2.94	5.06	0.	0.	0.	0.	3.45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8760
TOTAL NO. OF INVALID OBSERVATIONS = 116

SNUPPS-WC

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 730601 TO 740531
THRESHOLD OF ANEMOMETER (MPH) - .74
DATE OF THIS RUN - 11/17/81. TIME - 13.53.28.

WIND DIRECTION PERSISTENCE - PASQUILL #S#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	11	8	3	3	1	0	1	1	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
NE	17	7	1	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	17	6	4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	16	12	2	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	19	10	7	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	51	14	13	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	71	30	22	19	5	6	2	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
S	79	31	21	18	12	5	7	2	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0
SSW	28	13	7	4	1	1	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
SW	17	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	13	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	18	10	2	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	27	11	6	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	20	11	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	21	6	6	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.64	3.75	2.77	3.78	3.55	0.	3.48	2.68	2.59	0.	2.28	2.78	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	2.23	3.13	1.74	3.36	0.	0.	0.	0.	0.	0.	3.48	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	2.66	3.56	4.53	3.63	4.60	0.	3.63	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	3.30	4.15	3.52	4.54	3.57	0.	3.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.50	3.17	3.44	4.85	3.77	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	3.25	3.40	2.96	3.67	3.44	2.24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	3.59	3.53	3.34	4.02	4.00	5.25	4.72	2.92	2.64	0.	2.63	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	4.22	4.76	4.34	5.15	4.95	4.85	5.39	3.72	3.80	4.54	4.58	5.37	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	3.13	3.92	4.23	6.43	2.54	8.21	4.82	0.	8.88	0.	0.	6.42	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	3.06	3.67	6.00	5.02	3.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	2.18	2.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	2.14	2.94	2.24	2.66	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	2.91	3.40	3.35	3.50	3.27	0.	0.	0.	0.	3.87	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	3.23	3.05	3.31	2.24	5.04	2.57	5.61	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	2.99	3.11	3.31	5.12	2.54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3.10	4.05	3.25	3.34	0.	0.	0.	3.04	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8760
TOTAL NO. OF INVALID OBSERVATIONS = 4565

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 790305 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 15.00.14.

WIND DIRECTION PERSISTENCE - PASQUILL #A#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	4	1	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0
S	4	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	7	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	6	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	6	1	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	6.91	8.17	6.85	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	0.	0.	0.	8.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	0.	6.57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	4.56	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	4.44	4.77	0.	0.	0.	0.	0.	0.	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.	0.	0.	0.	0.	0.	0.	0.	0.
S	6.65	0.	4.53	4.61	7.93	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.15	6.34	6.24	6.74	6.62	4.22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	0.	3.55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	0.	2.22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	3.06	2.32	0.	4.41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	0.	0.	6.98	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	9.90	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	6.79	6.12	0.	6.07	7.82	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6.97	6.14	8.39	5.45	8.44	7.89	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8784
TOTAL NO. OF INVALID OBSERVATIONS = 1197

SNUPPS-WC

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 790305 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 15.04.04.

WIND DIRECTION PERSISTENCE - PASQUILL #B#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	1	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0
S	7	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	9	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	6	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	4.83	0	5.33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	3.89	3.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	3.26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	7.40	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0
S	6.19	3.99	4.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	5.33	0	6.84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	5.26	5.30	0	8.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	4.29	0	2.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	5.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	9.41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	0	4.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	4.15	2.89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NO. OF OBSERVATIONS = 8784
TOTAL NO. OF INVALID OBSERVATIONS = 1197

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 790305 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 15.06.51

WIND DIRECTION PERSISTENCE - PASQUILL #C#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	10	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	4	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-MC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	3.91	8.39	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	0.	7.21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	5.24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	4.69	3.96	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	4.90	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	3.79	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	6.20	4.82	6.52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	6.21	7.48	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	4.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	7.14	0.	0.	3.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	4.24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	8.17	3.28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	3.58	0.	6.38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	5.72	3.31	7.63	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8784
TOTAL NO. OF INVALID OBSERVATIONS = 1197

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 790305 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 15.10.16.

WIND DIRECTION PERSISTENCE - PASQUILL #D#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	20	8	3	4	2	1	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
NE	19	8	4	3	2	0	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
ENE	14	8	3	3	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	14	9	3	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
ESE	8	10	1	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	12	8	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	24	6	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	39	17	15	5	2	0	2	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	38	18	7	3	0	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	10	4	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	5	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	9	6	4	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
WNW	7	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	14	4	1	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	14	7	11	1	2	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
N	27	9	8	3	3	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	3.94	5.19	4.06	4.93	6.95	9.46	5.84	0.	6.37	0.	0.	5.29	0.	0.	6.79	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	3.26	4.13	4.11	3.68	7.63	0.	4.94	5.40	0.	0.	0.	0.	0.	0.	0.	7.05	0.	0.	0.	0.	0.	0.	0.	0.
ENE	2.99	3.21	3.74	6.05	5.24	4.04	0.	0.	5.84	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	3.22	4.72	4.65	4.47	4.35	0.	0.	0.	0.	0.	0.	0.	5.11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.57	5.49	5.16	2.92	0.	5.16	0.	0.	0.	4.93	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	4.80	4.52	0.	3.10	0.	7.14	0.	9.50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	4.16	5.20	6.64	6.99	5.64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	5.58	5.86	7.02	6.07	4.66	0.	7.89	8.91	0.	4.41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.34	7.70	7.59	5.60	0.	7.03	0.	0.	0.	7.15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	4.99	6.43	3.30	4.75	0.	8.63	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	5.95	6.63	3.78	0.	8.78	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	4.49	6.88	3.91	7.28	0.	2.99	0.	0.	0.	0.	0.	6.28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	3.85	5.72	8.85	5.69	0.	0.	6.30	6.71	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	5.27	5.85	7.98	8.24	6.79	7.53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	5.51	5.81	6.72	6.48	4.48	0.	7.07	0.	9.46	0.	0.	6.76	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4.67	5.17	5.58	8.22	5.92	5.22	4.35	0.	10.17	5.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.38	0.	99.99	0

TOTAL NO. OF OBSERVATIONS = 8784
TOTAL NO. OF INVALID OBSERVATIONS = 1197

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 790305 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 15.13.06.

WIND DIRECTION PERSISTENCE - PASQUILL #E#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	3	6	3	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	12	2	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	12	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	13	5	5	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	14	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	19	6	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	19	14	2	1	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	30	17	12	8	7	6	7	1	1	0	1	3	1	1	1	0	0	0	0	0	0	0	0	0
SSW	17	8	5	2	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
SW	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	5	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	8	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	6	5	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	9	5	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.92	6.05	3.57	3.75	0.	0.	10.23	0.	0.	0.	6.07	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	3.26	2.91	3.80	0.	0.	0.	2.15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.20	2.67	0.	5.64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	4.28	4.27	4.04	6.66	0.	5.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	4.15	3.95	0.	4.12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	3.74	4.65	2.87	7.08	0.	7.68	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	3.56	4.15	3.82	6.72	5.36	4.39	0.	0.	5.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	4.45	5.32	4.51	5.05	4.90	6.10	6.46	3.51	6.49	0.	7.37	9.02	10.20	9.39	9.94	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	5.43	6.57	6.00	4.19	3.47	0.	6.01	0.	5.11	0.	8.10	0.	4.81	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	4.09	3.46	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	3.58	5.53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	2.70	4.88	4.88	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	3.93	3.81	4.44	0.	5.82	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	3.71	3.81	0.	7.44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	4.29	4.92	4.52	5.14	6.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3.89	5.19	0.	3.38	4.69	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8784
TOTAL NO. OF INVALID OBSERVATIONS = 1197

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 790305 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 15.15.46.

WIND DIRECTION PERSISTENCE - PASQUILL #F#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	8	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	6	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	6	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	5	4	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	12	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	18	9	6	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	17	3	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	6	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	6	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	12	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.82	0.	2.79	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	0.	2.64	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	2.53	2.80	2.48	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	2.75	3.31	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	2.44	3.46	2.57	0.	1.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	2.43	2.41	2.06	1.66	2.34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	2.95	2.69	2.67	3.01	3.11	2.68	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	3.15	3.62	3.65	0.	0.	3.38	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	3.23	2.82	6.10	5.50	3.12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	2.74	2.22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	2.75	2.56	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	3.46	3.33	0.	2.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	2.89	2.54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	2.65	3.15	2.32	0.	3.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	3.04	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2.93	3.10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8784
TOTAL NO. OF INVALID OBSERVATIONS = 1197

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 790305 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81 TIME - 15.18.55.

WIND DIRECTION PERSISTENCE - PASQUILL #G#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	5	1	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	8	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	10	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	9	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	14	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	9	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	7	1	1	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSW	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SW	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	14	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	9	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	3	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	3.24	2.50	2.75	2.42	0.	3.53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	2.50	3.55	3.27	2.72	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	2.06	1.82	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	2.99	2.45	0.	2.54	0.	0.	3.21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	2.08	3.20	2.72	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	2.07	1.68	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	2.30	3.00	2.59	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	2.45	2.34	3.25	0.	1.10	2.98	2.45	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	1.98	3.34	.93	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	2.28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	2.12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	2.22	1.49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	1.87	2.99	2.12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	2.25	1.28	0.	0.	0.	2.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	2.66	2.59	1.99	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2.00	2.71	2.55	0.	2.29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO OF OBSERVATIONS = 8784
TOTAL NO OF INVALID OBSERVATIONS = 1197

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-064-07
DATA PERIOD (YR - MONTH - DAY) - 790305 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/13/81. TIME - 15.21.01.

WIND DIRECTION PERSISTENCE - PASQUILL ALL
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	39	20	14	10	6	1	2	2	3	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0
NE	42	19	17	14	4	2	2	2	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
ENE	39	23	9	6	2	3	2	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
E	53	28	12	12	3	2	0	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
ESE	51	23	9	3	3	3	0	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	60	34	13	8	3	3	2	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SSE	85	40	17	17	5	7	2	1	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
S	93	44	34	25	20	7	13	5	4	6	2	1	1	0	1	0	2	0	0	0	3	0	1	3
SSW	72	27	22	12	6	2	3	6	1	4	3	2	0	0	1	0	0	0	2	0	0	0	0	1
SW	36	20	4	3	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	30	10	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	26	15	9	5	5	2	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
WNW	40	13	4	2	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	48	16	7	4	4	3	2	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
NNW	45	16	16	9	5	8	8	3	1	2	0	1	0	0	0	0	1	0	0	0	0	0	0	0
N	51	28	14	6	8	3	4	3	0	1	1	1	0	1	0	0	0	0	0	0	1	1	0	2

SNUPPS-WC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	4.24	4.93	4.24	3.78	4.64	2.22	7.51	5.29	5.61	0.	6.82	5.29	0.	9.24	0.	6.79	0.	0.	0.	0.	0.	0.	0.	0.
NE	3.47	3.40	3.75	3.20	5.45	2.66	5.65	5.05	4.86	5.27	0.	0.	0.	0.	0.	7.05	0.	0.	0.	0.	0.	0.	0.	0.
ENE	3.16	3.16	2.70	3.05	6.00	4.39	6.06	4.47	5.84	0.	0.	4.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	3.49	3.97	3.88	4.03	5.80	5.68	0.	0.	3.29	0.	0.	3.83	5.11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.17	3.48	3.52	3.19	2.92	3.59	0.	6.12	0.	4.93	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	3.16	3.22	3.80	3.42	3.71	7.78	3.27	4.52	6.52	0.	0.	0.	0.	0.	0.	0.	8.66	0.	0.	0.	0.	0.	0.	0.
SSE	3.63	3.57	3.19	4.41	5.79	3.91	4.14	4.46	3.49	0.	0.	0.	6.11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	4.06	4.59	4.26	5.24	5.07	6.74	4.67	6.68	6.23	5.00	6.35	4.97	6.16	0.	9.52	0.	9.91	0.	0.	0.	7.68	0.	5.91	8.88
SSW	4.53	6.24	6.50	5.99	4.95	5.28	5.86	6.27	5.11	7.09	5.38	5.45	0.	0.	5.00	0.	0.	0.	7.43	0.	0.	0.	0.	5.28
SW	3.91	4.68	4.08	4.22	7.93	0.	8.19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	3.50	2.88	5.31	4.44	8.78	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	3.35	4.63	3.62	4.75	4.29	4.00	0.	3.43	6.48	0.	0.	6.28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	2.81	3.48	5.35	1.85	5.21	0.	6.30	5.47	6.69	4.94	5.86	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	4.07	3.78	4.58	3.62	4.06	7.65	8.81	2.32	0.	0.	9.66	0.	0.	0.	0.	0.	0.	0.	0.	7.77	0.	0.	0.	0.
NNW	3.92	4.61	5.78	4.88	7.41	5.37	7.55	6.95	3.84	6.29	0.	8.55	0.	0.	0.	0.	6.21	0.	0.	0.	0.	0.	0.	0.
N	4.44	4.35	4.34	5.68	4.75	4.48	7.00	6.00	0.	6.27	8.59	4.59	0.	6.94	0.	0.	0.	0.	0.	0.	7.38	8.18	0.	5.83

TOTAL NO. OF OBSERVATIONS = 8784
TOTAL NO. OF INVALID OBSERVATIONS = 39

Rev. 8
2/82

TABLE 2.3-33 (Continued)

WIND DIRECTION PERSISTENCE

(10 METERS)

KANSAS GAS AND ELECTRIC
WOLF CREEK GENERATING STATION
JOB NO. - 07699-054-07
DATA PERIOD (YR - MONTH - DAY) - 790305 TO 800304
THRESHOLD OF ANEMOMETER (MPH) - 74
DATE OF THIS RUN - 11/17/81 TIME - 14.03.16.

WIND DIRECTION PERSISTENCE - PASQUILL #S#
1 SECTOR PERSISTENCE

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	7	8	10	6	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	18	9	6	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENE	19	9	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	29	17	8	4	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESE	32	11	6	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	46	23	6	6	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSE	46	25	12	9	5	5	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	48	22	14	15	10	5	12	3	3	1	1	3	1	1	1	0	0	0	0	0	0	0	0	0
SSW	26	9	7	2	3	0	1	1	2	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0
SW	20	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WSW	18	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W	12	7	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WNW	23	7	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NW	24	6	2	4	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NNW	20	9	4	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N	18	10	2	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SNUPPS-MC

AVERAGE WIND SPEED (M/SEC)

CONSECUTIVE HOURS

SECTOR	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	>24
NNE	2.91	5.47	2.89	3.21	0.	0.	3.51	0.	9.15	0.	6.07	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NE	2.71	2.98	3.58	2.96	2.55	0.	2.15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ENE	2.69	2.54	3.16	2.65	0.	5.10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E	3.32	3.33	3.64	5.14	4.02	5.03	0.	0.	3.29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
ESE	3.01	3.46	2.56	3.34	1.40	4.26	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SE	2.77	2.91	2.76	3.58	0.	7.68	2.58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSE	3.06	3.44	2.94	3.39	3.91	3.56	3.69	0.	3.92	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
S	3.60	4.34	4.42	4.37	4.52	5.75	5.19	3.42	4.77	4.58	7.37	9.02	10.20	9.39	9.94	0.	0.	0.	0.	0.	0.	0.	0.	0.
SSW	4.36	5.58	5.52	4.19	2.42	0.	6.01	3.40	4.51	0.	7.02	0.	4.81	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SW	3.34	3.69	2.34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WSW	2.70	2.78	5.17	2.58	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
W	2.92	3.19	3.26	2.61	3.32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WNW	2.49	3.04	4.74	2.28	5.82	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NW	2.87	3.29	2.55	3.97	3.20	0.	1.96	2.52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NNW	3.37	3.88	3.89	4.66	6.27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3.36	3.52	2.62	4.56	3.72	3.34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TOTAL NO. OF OBSERVATIONS = 8784
TOTAL NO. OF INVALID OBSERVATIONS = 1197

Rev. 8
2/82

TABLE 2.3-37

STABILITY PERSISTENCE SUMMARY

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO 7699-064-07
DATA PERIOD FROM 6/ 1/73 TO 3/ 4/80
DATE AND TIME OF RUN 10/30/81 09.31.21.

NUMBER OF HOURS

NUMBER OF CONSECUTIVE HOURS	PASQUILL STABILITY CLASS -A-	-B-	-C-	-D-	-E-	-F-	-G-
2	2106	433	573	5917	4089	2073	1727
3	1640	193	266	4696	3053	1338	1341
4	1250	88	140	3869	2330	892	1057
5	926	38	78	3263	1798	595	825
6	659	24	44	2811	1382	388	637
7	445	15	27	2425	1051	247	483
8	282	10	20	2086	782	152	353
9	162	9	14	1801	575	88	244
10	84	8	10	1564	411	48	159
11	34	7	7	1373	298	25	102
12	15	6	6	1216	201	13	59
13	11	5	5	1082	128	7	29
14	9	4	4	962	84	4	12
15	7	3	3	852	54	1	5
16	5	2	2	759	37	0	2
17	3	1	1	676	25	0	0
18	2	0	0	608	17	0	0
19	1	0	0	551	13	0	0
20	0	0	0	503	11	0	0
21	0	0	0	458	10	0	0
22	0	0	0	422	9	0	0
23	0	0	0	390	8	0	0
24	0	0	0	359	7	0	0
>24	0	0	0	334	6	0	0

1244 INVALID HOUR(S).

TABLE 2.3-37 (Continued)

STABILITY PERSISTENCE SUMMARY

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO 7699-064-07
DATA PERIOD FROM 6/ 1/73 TO 5/31/74
DATE AND TIME OF RUN 10/30/81. 09.27.50.

NUMBER OF HOURS

NUMBER OF CONSECUTIVE HOURS	PASQUILL STABILITY CLASS						
	-A-	-B-	-C-	-D-	-E-	-F-	-G-
2	608	213	211	1905	1427	668	637
3	443	100	93	1472	1032	407	495
4	314	50	48	1204	763	256	386
5	210	26	24	1017	565	166	295
6	132	19	10	865	422	103	224
7	75	13	5	735	316	59	165
8	39	10	3	621	229	32	118
9	14	9	2	524	160	17	80
10	2	8	1	444	104	9	47
11	0	7	0	380	68	4	26
12	0	6	0	329	40	1	12
13	0	5	0	287	21	0	6
14	0	4	0	248	12	0	2
15	0	3	0	211	6	0	1
16	0	2	0	179	3	0	0
17	0	1	0	152	2	0	0
18	0	0	0	129	1	0	0
19	0	0	0	112	0	0	0
20	0	0	0	98	0	0	0
21	0	0	0	85	0	0	0
22	0	0	0	76	0	0	0
23	0	0	0	68	0	0	0
24	0	0	0	60	0	0	0
>24	0	0	0	52	0	0	0

66 INVALID HOUR(S).

TABLE 2.3-37 (Continued)

STABILITY PERSISTENCE SUMMARY

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DANES AND MOORE JOB NO 7699-064-07
DATA PERIOD FROM 6/ 1/74 TO 5/31/75
DATE AND TIME OF RUN 10/30/81 09.26.44.

NUMBER OF HOURS

NUMBER OF CONSECUTIVE HOURS	PASQUILL STABILITY CLASS -A-	-B-	-C-	-D-	-E-	-F-	-G-
2	1294	116	224	1843	1208	741	519
3	1061	47	124	1492	889	496	396
4	850	15	75	1249	671	343	308
5	667	4	49	1061	510	233	237
6	503	2	33	934	383	156	180
7	360	1	22	825	274	105	133
8	240	0	17	733	194	70	93
9	148	0	12	657	138	46	60
10	82	0	9	594	94	25	38
11	34	0	7	541	64	13	25
12	15	0	6	495	38	8	15
13	11	0	5	451	19	5	8
14	9	0	4	410	10	3	4
15	7	0	3	372	4	1	2
16	5	0	2	339	2	0	1
17	3	0	1	308	1	0	0
18	2	0	0	283	0	0	0
19	1	0	0	263	0	0	0
20	0	0	0	247	0	0	0
21	0	0	0	233	0	0	0
22	0	0	0	222	0	0	0
23	0	0	0	212	0	0	0
24	0	0	0	202	0	0	0
>24	0	0	0	194	0	0	0

4 INVALID HOUR(S).

TABLE 2.3-37 (Continued)

STABILITY PERSISTENCE SUMMARY

WOLF CREEK GENERATING STATION
BURLINGTON, KANSAS
KANSAS GAS AND ELECTRIC
DAMES AND MOORE JOB NO 7699-064-07
DATA PERIOD FROM 3/ 5/79 TO 3/ 4/80
DATE AND TIME OF RUN 10/30/81. 09.29.03.

NUMBER OF HOURS

NUMBER OF CONSECUTIVE HOURS	PASQUILL STABILITY CLASS						
	-A-	-B-	-C-	-D-	-E-	-F-	-G-
2	204	104	138	2169	1454	664	571
3	136	46	49	1732	1132	435	450
4	86	23	17	1416	896	293	363
5	49	8	5	1185	723	196	293
6	24	3	1	1012	577	129	233
7	10	1	0	865	461	83	185
8	3	0	0	732	359	50	142
9	0	0	0	620	277	25	104
10	0	0	0	526	213	14	74
11	0	0	0	452	166	8	51
12	0	0	0	392	123	4	32
13	0	0	0	344	88	2	15
14	0	0	0	304	62	1	6
15	0	0	0	269	44	0	2
16	0	0	0	241	32	0	1
17	0	0	0	216	22	0	0
18	0	0	0	196	16	0	0
19	0	0	0	176	13	0	0
20	0	0	0	158	11	0	0
21	0	0	0	140	10	0	0
22	0	0	0	124	9	0	0
23	0	0	0	110	8	0	0
24	0	0	0	97	7	0	0
>24	0	0	0	88	6	0	0

1174 INVALID HOUR(S).

TABLE 2.3-51

DATA RECOVERY
PHASE 1 (JUNE 1973 - JUNE 1975)

Parameters	Height (feet)	Percent Recovery
Temperature	32	99.6
Temperature Difference	116-32	88.5
Tempterature Difference	196-32	94.3
Temperature Difference	277-32	96.5
Dewpoint	32	97.3
Wind Speed	32	97.1
Wind Direction	32	99.2
Wind Deviation	32	94.7
Wind Speed	116	95.6
Wind Direction	116	97.3
Wind Deviation	116	92.9
Wind Speed	196	94.0
Wind Direction	196	98.1
Wind Deviation	196	93.6

TABLE 2.3-52

DATA RECOVERY
PHASE 2 (MARCH 5, 1979 - MARCH 4, 1980)

Parameters	Height (feet)	Percent Recovery
Temperature	32	96.3
Temperature Difference	116-32	92.9
Tempterature Difference	196-32	86.4
Temperature Difference	277-32	79.4
Dewpoint	32	88.4
Wind Speed	32	98.8
Wind Direction	32	99.7
Wind Deviation	32	99.5
Wind Speed	116	97.9
Wind Direction	116	97.7
Wind Deviation	116	98.9
Wind Speed	196	96.9
Wind Direction	196	99.5
Wind Deviation	196	97.6
Precipitation	6	99.9

TABLE 2.3-55

ACCIDENT ATMOSPHERIC RELATIVE CONCENTRATIONS (χ/Q)[a]
FOR 3-YEAR DATA PERIOD

Affected Sector	Exclusion Zone Circular (1200 m)	Low Population Zone Circular (4023 m)					
	Time						
	2-Hr	2-Hr	8-Hr	16-Hr	72-Hr	624-Hr	Remarks
NNE	2.4E-04	8.3E-05	2.1E-05	1.3E-05	4.7E-06	1.1E-06	Highest 0.5%
NE	3.0E-04	9.2E-05	1.9E-05	1.1E-05	3.6E-06	6.9E-07	Highest 0.5%
ENE	4.2E-04	1.3E-04	2.4E-05	1.4E-05	4.1E-06	7.1E-07	Highest 0.5%
E	5.3E-04*	1.8E-04*	3.2E-05*	1.8E-05*	5.3E-06	8.9E-07	Highest 0.5%
ESE	2.9E-04	9.2E-05	2.0E-05	1.2E-05	4.2E-06	8.8E-07	Highest 0.5%
SE	2.9E-04	1.0E-04	2.2E-05	1.3E-05	4.5E-06	9.5E-07	Highest 0.5%
SSE	2.0E-04	6.9E-05	1.7E-05	1.0E-05	3.7E-06	8.5E-07	Highest 0.5%
S	2.4E-04	8.3E-05	1.9E-05	1.2E-05	4.0E-06	8.5E-07	Highest 0.5%
SSW	2.4E-04	8.3E-05	2.0E-05	1.2E-05	4.2E-06	9.4E-07	Highest 0.5%
SW	2.7E-04	7.8E-05	1.8E-05	1.1E-05	3.7E-06	7.9E-07	Highest 0.5%
WSW	2.6E-04	9.1E-05	2.1E-05	1.3E-05	4.3E-06	9.2E-07	Highest 0.5%
W	2.4E-04	8.3E-05	1.9E-05	1.2E-05	4.1E-06	9.0E-07	Highest 0.5%
WNW	2.0E-04	6.9E-05	1.7E-05	1.1E-05	3.8E-06	8.9E-07	Highest 0.5%
NW	2.9E-04	1.0E-04	2.5E-05	1.6E-05	5.7E-06	1.3E-06	Highest 0.5%
NNW	2.2E-04	7.7E-05	2.2E-05	1.5E-05	5.9E-06*	1.6E-06*	Highest 0.5%
N	2.2E-04	6.9E-05	2.0E-05	1.3E-05	5.5E-06	1.5E-06	Highest 0.5%
5%	1.4E-04	4.4E-05	1.4E-05	9.8E-06	4.3E-06	1.3E-06	Highest 5%
50%	2.5E-05	4.4E-06	2.4E-06	2.0E-06	1.3E-06	6.9E-07	Highest 50%

[a]Units sec/m^3

*Maximum sector values.

Rev. 8
2/82

SNUPPS-WC

TABLE 2.3-56

ACCIDENT ATMOSPHERIC RELATIVE CONCENTRATIONS (χ/Q)[a]
FOR 6/1/73 TO 5/31/74 DATA PERIOD

Affected Sector	Exclusion Zone Circular (1200 m)	Low Population Zone Circular (4023 m)					
	Time						
	2-Hr	2-Hr	8-Hr	16-Hr	72-Hr	624-Hr	Remarks
NNE	2.2E-04	6.9E-05	1.8E-05	1.1E-05	4.2E-06	1.0E-06	Highest 0.5%
NE	4.8E-04	1.4E-04	2.6E-05	1.5E-05	4.5E-06	8.1E-07	Highest 0.5%
ENE	8.3E-04*	2.8E-04*	4.4E-05*	2.4E-05*	6.4E-06	9.4E-07	Highest 0.5%
E	5.3E-04	1.8E-04	3.2E-05	1.8E-05	5.2E-06	8.7E-07	Highest 0.5%
ESE	3.0E-04	9.2E-05	2.0E-05	1.2E-05	4.2E-06	8.8E-07	Highest 0.5%
SE	2.9E-04	1.0E-04	2.3E-05	1.4E-05	4.7E-06	1.0E-06	Highest 0.5%
SSE	2.0E-04	6.9E-05	1.7E-05	1.1E-05	3.8E-06	8.9E-07	Highest 0.5%
S	2.7E-04	8.3E-05	1.9E-05	1.2E-05	4.1E-06	9.0E-07	Highest 0.5%
SSW	4.5E-04	1.5E-04	3.3E-05	2.0E-05	6.5E-06*	1.3E-06	Highest 0.5%
SW	2.7E-04	8.3E-05	1.9E-05	1.2E-05	4.0E-06	8.5E-07	Highest 0.5%
WSW	2.0E-04	6.9E-05	1.6E-05	9.9E-06	3.5E-06	7.6E-07	Highest 0.5%
W	2.6E-04	6.9E-05	1.6E-05	1.0E-05	3.6E-06	8.1E-07	Highest 0.5%
WNW	2.0E-04	6.9E-05	1.6E-05	1.0E-05	3.6E-06	8.1E-07	Highest 0.5%
NW	2.6E-04	9.1E-05	2.3E-05	1.4E-05	5.2E-06	1.2E-06	Highest 0.5%
NNW	2.2E-04	7.7E-05	2.3E-05	1.5E-05	6.1E-06	1.7E-06*	Highest 0.5%
N	1.9E-04	6.4E-05	1.9E-05	1.3E-05	5.4E-06	1.6E-06	Highest 0.5%
5%	1.4E-04	4.4E-05	1.5E-05	1.0E-05	4.5E-06	1.4E-06	Highest 5%
50%	2.5E-05	4.5E-06	2.5E-06	2.1E-06	1.4E-06	7.4E-06	Highest 50%

[a]Units sec/m^3.

*Maximum sector values.

SNUPPS-WC

Rev. 8
2/82

TABLE 2.3-57

ACCIDENT ATMOSPHERIC RELATIVE CONCENTRATIONS (χ/Q)[a]
FOR 6/1/74 TO 5/31/75 DATA PERIOD

Affected Sector	Exclusion Zone Circular (1200 m)	Low Population Zone Circular (4023 m)					
	Time						
	2-Hr	2-Hr	8-Hr	16-Hr	72-Hr	624-Hr	Remarks
NNE	2.0E-04	6.9E-05	1.8E-05	1.1E-05	4.2E-06	1.0E-06	Highest 0.5%
NE	2.0E-04	6.4E-05	1.4E-05	8.4E-06	2.8E-06	5.7E-07	Highest 0.5%
ENE	2.9E-04	1.0E-04	1.8E-05	1.0E-05	3.1E-06	5.3E-07	Highest 0.5%
E	1.8E-04	6.0E-05	1.3E-05	8.0E-06	2.7E-06	5.5E-07	Highest 0.5%
ESE	3.9E-04*	1.3E-04*	2.6E-05*	1.5E-05*	4.6E-06	8.6E-07	Highest 0.5%
SE	2.3E-04	7.7E-05	1.7E-05	1.0E-05	3.5E-06	7.4E-07	Highest 0.5%
SSE	2.2E-04	7.7E-05	1.8E-05	1.1E-05	3.8E-06	8.3E-07	Highest 0.5%
S	2.4E-04	8.3E-05	1.9E-05	1.1E-05	3.8E-06	8.0E-07	Highest 0.5%
SSW	2.0E-04	6.9E-05	1.6E-05	1.0E-05	3.6E-06	8.1E-07	Highest 0.5%
SW	2.2E-04	7.7E-05	1.7E-05	1.0E-05	3.4E-06	6.9E-07	Highest 0.5%
WSW	2.0E-04	6.9E-05	1.6E-05	9.9E-06	3.5E-06	7.6E-07	Highest 0.5%
W	3.4E-04	1.2E-04	2.5E-05	1.5E-05*	4.8E-06	9.5E-07	Highest 0.5%
WNW	1.5E-04	5.2E-05	1.3E-05	8.1E-06	3.0E-06	7.0E-07	Highest 0.5%
NW	2.6E-04	8.3E-05	2.1E-05	1.3E-05	5.0E-06*	1.2E-06	Highest 0.5%
NNW	1.8E-04	6.0E-05	1.8E-05	1.2E-05	4.9E-06	1.4E-06*	Highest 0.5%
N	1.8E-04	6.0E-05	1.7E-05	1.1E-05	4.6E-06	1.3E-06	Highest 0.5%
5%	1.4E-04	4.3E-05	1.4E-05	9.4E-06	4.1E-06	1.3E-06	Highest 5%
50%	2.1E-05	3.7E-06	2.1E-06	1.7E-06	1.1E-06	6.2E-07	Highest 50%

[a]Units sec/m^3.

*Maximum sector values.

SNUPPS-WC

Rev. 8
2/82

TABLE 2.3-58

ACCIDENT ATMOSPHERIC RELATIVE CONCENTRATIONS (χ/Q)[a]
FOR 3/5/79 TO 3/4/80 DATA PERIOD

Affected Sector	Exclusion Zone Circular (1200 m)	Low Population Zone Circular (4023 m)					
	Time						
	2-Hr	2-Hr	8-Hr	16-Hr	72-Hr	624-Hr	Remarks
NNE	3.4E-04	1.2E-04	2.8E-05	1.7E-05	5.9E-06	1.3E-06	Highest 0.5%
NE	7.2E-04*	2.5E-04*	4.1E-05*	2.2E-05*	6.1E-06	9.3E-07	Highest 0.5%
ENE	2.9E-04	1.0E-04	2.1E-05	1.2E-05	3.8E-06	7.4E-07	Highest 0.5%
E	2.9E-04	1.0E-04	2.2E-05	1.3E-05	4.5E-06	9.5E-07	Highest 0.5%
ESE	4.5E-04	1.5E-04	3.1E-05	1.8E-05	5.8E-06	1.1E-06	Highest 0.5%
SE	3.0E-04	1.0E-04	2.3E-05	1.4E-05	4.7E-06	1.0E-06	Highest 0.5%
SSE	2.0E-04	6.9E-05	1.7E-05	1.0E-05	3.7E-06	8.5E-07	Highest 0.5%
S	1.9E-04	6.4E-05	1.6E-05	9.9E-06	3.6E-06	8.3E-07	Highest 0.5%
SSW	1.7E-04	5.7E-05	1.4E-05	9.1E-06	3.4E-06	8.0E-07	Highest 0.5%
SW	2.3E-04	7.7E-05	1.8E-05	1.1E-05	4.1E-06	9.2E-07	Highest 0.5%
WSW	3.4E-04	1.2E-04	2.7E-05	1.6E-05	5.6E-06	1.2E-06	Highest 0.5%
W	2.4E-04	8.3E-05	2.0E-05	1.3E-05	4.5E-06	1.0E-06	Highest 0.5%
WNW	4.8E-04	1.4E-04	3.1E-05	1.9E-05	6.4E-06	1.3E-06	Highest 0.5%
NW	3.4E-04	1.2E-04	3.0E-05	1.9E-05	6.8E-06*	1.6E-06	Highest 0.5%
NNW	2.4E-04	8.3E-05	2.3E-05	1.5E-05	6.1E-06	1.6E-06	Highest 0.5%
N	3.0E-04	9.2E-05	2.6E-05	1.7E-05	6.8E-06*	1.8E-06*	Highest 0.5%
5%	1.5E-04	4.5E-05	1.5E-05	1.0E-05	4.6E-06	1.5E-06	Highest 5%
50%	2.8E-05	5.0E-06	2.7E-06	2.2E-06	1.4E-07	7.7E-07	Highest 50%

[a]Units sec/m^3.

*Maximum sector values.

Rev. 8
2/82

SNUPPS-WC

TABLE 2.3-59

TERRAIN/RECIRCULATION FACTORS - STANDARD DISTANCES
GROUND RELEASE
BASED ON 6/1/73 THROUGH 5/31/74 ON-SITE DATA

Distance (km)	Sector															
	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
0.4	1.06	1.03	1.07	1.51	1.02	0.96	1.17	1.05	1.10	1.08	1.31	1.11	1.08	1.00	1.02	1.05
0.8	1.05	1.05	1.08	1.43	1.12	0.97	1.09	1.13	1.09	1.06	1.28	1.25	1.13	1.07	1.07	1.03
1.2	1.00	1.02	1.03	1.28	1.10	0.96	1.04	1.08	1.07	1.05	1.23	1.32	1.05	1.06	1.03	0.98
1.6	1.04	1.09	1.10	1.21	1.10	1.00	1.07	1.05	1.09	1.05	1.21	1.27	1.08	1.08	1.06	1.02
2.4	1.09	1.14	1.16	1.11	1.08	1.02	1.08	0.99	1.09	1.05	1.17	1.20	1.03	1.05	1.01	0.96
3.2	1.05	1.14	1.07	1.10	1.13	0.99	1.16	1.03	1.14	1.01	1.21	1.13	1.15	1.07	1.06	0.96
4.0	1.02	1.05	1.00	1.09	1.15	0.97	1.18	1.04	1.16	1.01	1.27	1.05	1.18	1.01	1.04	0.95
4.8	1.04	1.02	0.92	0.96	1.10	0.92	1.14	1.06	1.12	1.01	1.26	1.11	1.16	1.06	1.06	0.96
5.6	1.09	1.00	0.86	0.87	1.09	0.83	1.13	1.13	1.19	1.04	1.26	1.13	1.17	1.08	1.07	0.96
6.4	1.05	1.00	0.81	0.88	1.11	0.83	1.12	1.13	1.11	1.03	1.28	1.17	1.17	1.07	1.05	0.95
7.2	1.05	0.99	0.76	0.89	1.11	0.84	1.11	1.14	1.05	1.02	1.30	1.18	1.18	1.01	1.09	0.95
8.0	1.05	1.01	0.71	0.89	1.13	0.85	1.11	1.15	1.02	1.03	1.32	1.20	1.18	1.00	1.10	0.93
12.0	0.93	1.00	0.68	0.79	1.13	0.83	1.04	1.16	1.11	0.90	1.31	1.18	1.17	0.98	1.04	0.99
16.0	0.86	0.96	0.64	0.74	1.11	0.82	1.00	1.19	1.19	0.83	1.28	1.12	1.14	0.95	0.99	1.04
24.0	0.81	0.93	0.61	0.68	0.95	0.77	0.92	0.94	1.07	0.78	1.18	0.98	1.09	0.94	1.04	1.02
32.0	0.80	0.89	0.59	0.65	0.83	0.72	0.91	0.83	1.04	0.80	1.11	0.95	1.04	0.88	1.03	1.01
40.0	0.80	0.69	0.46	0.67	0.84	0.63	0.81	0.82	0.99	0.70	1.00	0.86	0.96	0.83	0.88	1.01
48.0	0.80	0.57	0.38	0.68	0.85	0.57	0.72	0.82	0.95	0.63	0.90	0.78	0.90	0.76	0.73	0.96
56.0	0.79	0.48	0.32	0.69	0.85	0.52	0.67	0.81	0.93	0.58	0.82	0.71	0.85	0.71	0.62	0.92
64.0	0.71	0.42	0.29	0.53	0.71	0.44	0.61	0.74	0.84	0.53	0.73	0.68	0.83	0.67	0.59	0.84
72.0	0.63	0.37	0.27	0.42	0.61	0.37	0.55	0.70	0.77	0.50	0.63	0.65	0.81	0.63	0.55	0.78
80.0	0.58	0.32	0.26	0.35	0.53	0.33	0.52	0.64	0.70	0.49	0.57	0.62	0.78	0.58	0.52	0.71

SNUPPS-WC

Rev. 8
2/82

TABLE 2.3-60

TERRAIN/RECIRCULATION FACTORS - STANDARD DISTANCES
MIXED-MODE RELEASE
BASED ON 6/1/73 THROUGH 5/31/74 ON-SITE DATA

Distance (km)	Sector															
	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
0.4	1.19	1.27	1.18	1.01	1.15	1.08	1.14	1.04	1.15	1.13	1.22	1.27	1.11	0.79	0.77	0.98
0.8	1.24	1.43	1.10	1.07	1.22	1.19	1.12	1.08	1.20	1.14	1.32	1.26	1.11	0.87	0.80	1.05
1.2	1.19	1.40	1.05	1.08	1.17	1.19	1.08	1.06	1.17	1.09	1.36	1.20	1.04	0.87	0.78	0.97
1.6	1.18	1.37	1.07	1.10	1.22	1.20	1.08	1.02	1.18	1.14	1.26	1.20	1.04	0.88	0.81	1.01
2.4	1.09	1.34	1.02	1.05	1.24	1.14	1.08	0.96	1.13	1.08	1.16	1.16	0.96	0.85	0.83	0.98
3.2	1.10	1.28	1.00	1.27	1.22	1.13	1.11	1.02	1.22	1.08	1.18	1.13	0.99	0.87	0.84	1.01
4.0	1.09	1.16	0.92	1.42	1.22	1.09	1.12	1.07	1.27	1.08	1.20	1.10	0.98	0.87	0.85	0.99
4.8	1.11	1.11	0.98	1.16	1.15	1.11	1.13	1.07	1.21	1.13	1.20	1.12	1.00	0.90	0.87	0.97
5.6	1.11	1.08	1.06	0.92	1.12	1.14	1.12	1.08	1.19	1.16	1.20	1.17	1.01	0.94	0.88	1.03
6.4	1.11	0.97	0.86	0.89	1.15	1.12	1.11	1.08	1.15	1.16	1.22	1.19	0.97	0.93	0.90	0.98
7.2	1.13	0.98	0.76	0.95	1.24	1.12	1.09	1.08	1.13	1.16	1.29	1.16	0.94	0.91	0.88	0.98
8.0	1.14	1.07	0.85	0.99	1.26	1.08	1.07	1.08	1.12	1.11	1.28	1.18	0.87	0.89	0.89	0.97
12.0	1.05	1.10	0.77	0.94	1.10	1.00	1.09	1.12	1.22	0.97	1.31	1.13	1.06	0.94	0.96	1.01
16.0	1.05	1.19	0.73	0.94	1.01	1.00	1.11	1.12	1.34	0.87	1.40	1.00	1.12	1.00	0.97	0.98
24.0	1.00	1.11	0.78	0.88	1.04	0.92	1.08	1.03	1.32	0.93	1.25	1.00	1.05	0.91	0.98	1.04
32.0	1.01	1.04	0.88	0.81	1.06	0.89	1.05	0.93	1.31	0.99	1.11	0.93	1.01	0.94	0.97	1.10
40.0	0.92	0.87	0.77	0.82	1.06	0.85	0.99	0.97	1.33	0.91	1.03	0.93	0.97	0.92	0.88	1.00
48.0	0.82	0.73	0.63	0.86	1.05	0.83	0.95	0.97	1.34	0.86	0.90	0.82	0.94	0.87	0.77	0.99
56.0	0.76	0.62	0.64	0.91	1.02	0.79	0.93	1.01	1.36	0.81	0.81	0.77	0.95	0.79	0.70	0.96
64.0	0.74	0.59	0.59	0.81	0.92	0.81	0.87	0.86	1.25	0.79	0.69	0.72	0.91	0.75	0.73	0.91
72.0	0.69	0.58	0.58	0.76	0.95	0.86	0.81	0.78	1.09	0.72	0.67	0.68	0.98	0.72	0.70	0.87
80.0	0.70	0.60	0.53	0.67	0.86	0.89	0.77	0.70	0.99	0.69	0.65	0.66	0.91	0.70	0.71	0.83

SNUPPS-MC

Rev. 8
2/82

TABLE 2.3-61

TERRAIN/RECIRCULATION FACTORS - SPECIAL DISTANCES
BASED ON 6/1/73 THROUGH 5/31/74 ON-SITE DATA

Receptor[a]	Sector															
	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
Ground Release																
Exclusion Zone	1.00	1.02	1.03	1.28	1.10	0.96	1.04	1.08	1.07	1.05	1.23	1.32	1.05	1.06	1.03	0.98
Low Population Zone	1.08	1.06	1.00	1.07	1.14	0.96	1.17	1.03	1.15	1.00	1.26	1.04	1.17	1.06	1.06	0.95
Nearest Resident	1.07	1.12	1.11	1.06	1.10	1.00	1.13	1.12	1.15	0.99	1.25	1.10	1.16	1.05	1.04	0.96
Nearest Vegetable Garden	1.05	1.05	1.09	1.06	1.10	1.00	1.14	1.12	1.05	1.01	1.25	1.10	1.16	1.05	1.06	0.96
Nearest Meat Animal	1.01	1.01	1.04	1.13	1.03	1.00	1.14	1.12	1.16	1.06	1.16	1.16	1.16	1.03	1.05	0.94
Nearest Dairy Cow	1.05	1.03	b	1.06	1.08	1.00	1.13	b	b	b	1.31	1.18	b	b	1.05	b
Nearest Plant Boundary	1.05	1.14	1.12	1.13	1.08	1.00	1.13	1.12	1.14	1.03	1.16	1.13	1.15	1.06	1.01	0.97
Mixed-Mode Release																
Exclusion Zone	1.19	1.40	1.05	1.08	1.17	1.19	1.08	1.06	1.17	1.09	1.36	1.20	1.04	0.87	0.78	0.97
Low Population Zone	1.10	1.15	0.95	1.40	1.21	1.08	1.13	1.08	1.26	1.08	1.19	1.10	0.99	0.87	0.84	0.98
Nearest Resident	1.13	1.35	1.03	1.20	1.27	1.19	1.12	1.07	1.26	1.07	1.19	1.11	0.99	0.86	0.87	0.99
Nearest Vegetable Garden	1.10	1.25	0.96	1.20	1.27	1.19	1.14	1.07	1.13	1.12	1.19	1.11	0.99	0.84	0.84	0.99
Nearest Meat Animal	1.18	1.39	1.04	1.10	1.28	1.16	1.14	1.08	1.19	1.07	1.16	1.14	1.00	0.86	0.84	1.01
Nearest Dairy Cow	1.15	1.11	b	1.20	1.28	1.16	1.13	b	b	b	1.29	b	b	0.94	0.84	b
Nearest Plant Boundary	1.15	1.36	1.08	1.10	1.23	1.21	1.12	1.08	1.18	1.08	1.16	1.14	0.99	0.88	0.82	1.00

[a]No dairy goats within 5 miles.

[b]No dairy cows within 5 miles.

SNUPPS-WC

TABLE 2.3-62

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 05/31/74

ANNUAL AVERAGE (GROUND)
STANDARD PTS. - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 09 01 25

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N	
0.4 KM																	
	6.3E-06	3.4E-06	3.5E-06	5.1E-06	4.1E-06	5.2E-06	5.3E-06	4.8E-06	6.6E-06	4.8E-06	4.3E-06	4.6E-06	4.3E-06	6.9E-06	1.2E-05	1.2E-05	4
	5.9E-06	3.2E-06	3.3E-06	4.6E-06	3.8E-06	4.9E-06	5.0E-06	4.6E-06	6.3E-06	4.5E-06	4.1E-06	4.3E-06	4.1E-06	6.5E-06	1.1E-05	1.2E-05	
	5.0E-08	2.2E-08	1.3E-08	1.9E-08	2.0E-08	3.2E-08	4.1F-08	3.2E-08	3.2E-08	2.3E-08	2.4E-08	2.1E-08	2.3E-08	3.1E-08	6.2E-08	1.1E-07	
	6.3E-06	3.4E-06	3.5E-06	5.1E-06	4.1E-06	5.2E-06	5.3E-06	4.8E-06	6.6E-06	4.7E-06	4.3E-06	4.6E-06	4.3E-06	6.9E-06	1.2E-05	1.2E-05	
	6.3E-06	3.4E-06	3.5E-06	5.1E-06	4.1E-06	5.2E-06	5.3E-06	4.8E-06	6.6E-06	4.7E-06	4.3E-06	4.6E-06	4.3E-06	6.9E-06	1.2E-05	1.2E-05	
	5.9E-06	3.2E-06	3.3E-06	4.8E-06	3.8E-06	4.9E-06	5.0E-06	4.6E-06	6.3E-06	4.5E-06	4.1E-06	4.3E-06	4.1E-06	6.5E-06	1.1E-05	1.2E-05	
	5.9E-06	3.2E-06	3.3E-06	4.8E-06	3.8E-06	4.9E-06	5.0E-06	4.6E-06	6.3E-06	4.5E-06	4.1E-06	4.3E-06	4.1E-06	6.5E-06	1.1E-05	1.2E-05	
	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	
0.8 KM																	
	1.9E-06	1.1E-06	1.1E-06	1.5E-06	1.4E-06	1.7E-06	1.6E-06	1.7E-06	2.1E-06	1.5E-06	1.3E-06	1.6E-06	1.4E-06	2.3E-06	3.9E-06	4.0E-06	
	1.8E-06	9.8E-07	1.0E-06	1.4E-06	1.3E-06	1.5E-06	1.5E-06	1.5E-06	1.9E-06	1.4E-06	1.2E-06	1.5E-06	1.3E-06	2.1E-06	3.6E-06	3.7E-06	
	1.7E-08	7.6E-09	6.6E-09	9.2E-09	7.4E-09	1.1E-08	1.3E-08	1.1E-08	1.3E-08	1.6E-09	7.9E-09	7.8E-09	8.0E-09	1.1E-08	2.2E-08	3.6E-08	
	1.9E-06	1.1E-06	1.1E-06	1.5E-06	1.4E-06	1.7E-06	1.6E-06	1.7E-06	2.1E-06	1.5E-06	1.3E-06	1.6E-06	1.4E-06	2.3E-06	3.9E-06	4.0E-06	
	1.9E-06	1.1E-06	1.1E-06	1.5E-06	1.4E-06	1.7E-06	1.6E-06	1.7E-06	2.1E-06	1.5E-06	1.3E-06	1.6E-06	1.4E-06	2.3E-06	3.9E-06	4.0E-06	
	1.8E-06	9.8E-07	1.0E-06	1.4E-06	1.3E-06	1.5E-06	1.5E-06	1.5E-06	1.9E-06	1.4E-06	1.2E-06	1.5E-06	1.3E-06	2.1E-06	3.6E-06	3.7E-06	
	1.8E-06	9.8E-07	1.0E-06	1.4E-06	1.3E-06	1.5E-06	1.5E-06	1.5E-06	1.9E-06	1.4E-06	1.2E-06	1.5E-06	1.3E-06	2.1E-06	3.6E-06	3.7E-06	
	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	
1.2 KM																	
	9.7E-07	5.5E-07	5.5E-07	7.0E-07	7.2E-07	8.8E-07	8.1E-07	8.6E-07	1.1E-06	7.8E-07	6.9E-07	9.2E-07	7.0E-07	1.2E-06	2.0E-06	2.1E-06	
	8.7E-07	4.9E-07	4.9E-07	6.2E-07	6.4E-07	7.8E-07	7.3E-07	7.7E-07	9.6E-07	7.0E-07	6.1E-07	8.3E-07	6.3E-07	1.1E-06	1.9E-06	1.8E-06	
	8.3E-09	3.9E-09	2.3E-09	2.9E-09	3.8E-09	5.7E-09	6.4E-09	5.7E-09	5.5E-09	3.9E-09	3.9E-09	4.3E-09	3.9E-09	5.6E-09	1.1E-08	1.8E-08	
	9.7E-07	5.5E-07	5.5E-07	7.0E-07	7.2E-07	8.7E-07	8.1E-07	8.6E-07	1.1E-06	7.8E-07	6.9E-07	9.2E-07	7.0E-07	1.2E-06	2.0E-06	2.1E-06	
	9.7E-07	5.5E-07	5.5E-07	7.0E-07	7.2E-07	8.8E-07	8.1E-07	8.6E-07	1.1E-06	7.8E-07	6.9E-07	9.2E-07	7.0E-07	1.2E-06	2.0E-06	2.1E-06	
	8.7E-07	4.9E-07	4.9E-07	6.2E-07	6.4E-07	7.8E-07	7.2E-07	7.6E-07	9.6E-07	7.0E-07	6.1E-07	8.2E-07	6.3E-07	1.1E-06	1.9E-06	1.8E-06	
	8.7E-07	4.9E-07	4.9E-07	6.2E-07	6.4E-07	7.8E-07	7.2E-07	7.7E-07	9.6E-07	7.0E-07	6.1E-07	8.2E-07	6.3E-07	1.1E-06	1.8E-06	1.9E-06	
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	
1.6 KM																	
	6.5E-07	3.8E-07	3.8E-07	4.2E-07	4.6E-07	5.8E-07	5.4E-07	5.4E-07	7.0E-07	5.0E-07	4.4E-07	5.7E-07	4.7E-07	7.9E-07	1.3E-06	1.4E-06	
	5.7E-07	3.3E-07	3.3E-07	3.7E-07	4.1E-07	5.1E-07	4.7E-07	4.7E-07	6.1E-07	4.4E-07	3.8E-07	5.0E-07	4.1E-07	6.9E-07	1.2E-06	1.2E-06	
	5.4E-09	2.6E-09	1.5E-09	1.7E-09	2.4E-09	3.7E-09	4.1E-09	3.5E-09	3.5E-09	2.4E-09	2.4E-09	2.6E-09	2.5E-09	3.7E-09	7.0E-09	1.2E-08	
	6.5E-07	3.8E-07	3.8E-07	4.2E-07	4.6E-07	5.8E-07	5.4E-07	5.4E-07	7.0E-07	5.0E-07	4.4E-07	5.7E-07	4.7E-07	7.8E-07	1.3E-06	1.4E-06	
	6.5E-07	3.8E-07	3.8E-07	4.2E-07	4.6E-07	5.8E-07	5.4E-07	5.4E-07	7.0E-07	5.0E-07	4.4E-07	5.7E-07	4.7E-07	7.8E-07	1.3E-06	1.4E-06	
	5.7E-07	3.3E-07	3.3E-07	3.7E-07	4.1E-07	5.1E-07	4.7E-07	4.7E-07	6.1E-07	4.4E-07	3.8E-07	5.0E-07	4.1E-07	6.8E-07	1.2E-06	1.2E-06	
	5.7E-07	3.3E-07	3.3E-07	3.7E-07	4.0E-07	5.1E-07	4.7E-07	4.7E-07	6.1E-07	4.4E-07	3.8E-07	5.0E-07	4.1E-07	6.9E-07	1.2E-06	1.2E-06	
	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 9.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
2.4 KM																
	3.8E-07	2.2E-07	2.2E-07	2.1E-07	2.5E-07	3.3E-07	3.0E-07	2.8E-07	3.8E-07	2.8E-07	2.4E-07	3.0E-07	2.5E-07	4.3E-07	7.0E-07	7.2E-07
	3.2E-07	1.9E-07	1.9E-07	1.8E-07	2.1E-07	2.8E-07	2.5E-07	2.3E-07	3.2E-07	2.3E-07	2.0E-07	2.5E-07	2.1E-07	3.6E-07	5.9E-07	6.1E-07
	2.9E-09	1.4E-09	8.2E-10	8.0E-10	1.2E-09	1.9E-09	2.1E-09	1.7E-09	1.8E-09	1.2E-09	1.2E-09	1.2E-09	1.2E-09	1.8E-09	3.4E-09	5.5E-09
	3.8E-07	2.2E-07	2.2E-07	2.1E-07	2.5E-07	3.3E-07	3.0E-07	2.8E-07	3.8E-07	2.8E-07	2.4E-07	3.0E-07	2.5E-07	4.2E-07	7.0E-07	7.2E-07
	3.8E-07	2.2E-07	2.2E-07	2.1E-07	2.5E-07	3.3E-07	3.0E-07	2.8E-07	3.8E-07	2.8E-07	2.4E-07	3.0E-07	2.5E-07	4.2E-07	7.0E-07	7.2E-07
	3.2E-07	1.8E-07	1.8E-07	1.8E-07	2.1E-07	2.8E-07	2.5E-07	2.3E-07	3.2E-07	2.3E-07	2.0E-07	2.5E-07	2.1E-07	3.6E-07	5.9E-07	6.1E-07
	3.2E-07	1.8E-07	1.8E-07	1.8E-07	2.1E-07	2.8E-07	2.5E-07	2.3E-07	3.2E-07	2.3E-07	2.0E-07	2.5E-07	2.1E-07	3.6E-07	5.9E-07	6.1E-07
	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.
3.2 KM																
	2.4E-07	1.4E-07	1.3E-07	1.4E-07	1.7E-07	2.1E-07	2.1E-07	1.9E-07	2.6E-07	1.7E-07	1.6E-07	1.9E-07	1.8E-07	2.9E-07	4.9E-07	4.7E-07
	2.0E-07	1.2E-07	1.1E-07	1.1E-07	1.4E-07	1.7E-07	1.7E-07	1.6E-07	2.1E-07	1.4E-07	1.3E-07	1.5E-07	1.5E-07	2.4E-07	4.0E-07	3.9E-07
	1.7E-09	8.5E-10	4.7E-10	4.9E-10	7.7E-10	1.1E-09	1.4E-09	1.1E-09	1.2E-09	7.4E-10	7.6E-10	7.3E-10	8.4E-10	1.1E-09	2.2E-09	3.4E-09
	2.4E-07	1.4E-07	1.3E-07	1.3E-07	1.7E-07	2.1E-07	2.1E-07	1.9E-07	2.5E-07	1.7E-07	1.6E-07	1.8E-07	1.8E-07	2.8E-07	4.6E-07	4.7E-07
	2.4E-07	1.4E-07	1.3E-07	1.3E-07	1.7E-07	2.1E-07	2.1E-07	1.9E-07	2.6E-07	1.7E-07	1.6E-07	1.9E-07	1.8E-07	2.9E-07	4.9E-07	4.7E-07
	2.0E-07	1.2E-07	1.1E-07	1.1E-07	1.4E-07	1.7E-07	1.7E-07	1.5E-07	2.1E-07	1.4E-07	1.3E-07	1.5E-07	1.5E-07	2.4E-07	4.0E-07	3.9E-07
	2.0E-07	1.2E-07	1.1E-07	1.1E-07	1.4E-07	1.7E-07	1.7E-07	1.6E-07	2.1E-07	1.4E-07	1.3E-07	1.5E-07	1.5E-07	2.4E-07	4.0E-07	3.9E-07
	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.
4.0 KM																
	1.7E-07	9.7E-08	9.2E-08	1.0E-07	1.3E-07	1.5E-07	1.6E-07	1.4E-07	1.9E-07	1.3E-07	1.2E-07	1.3E-07	1.4E-07	2.0E-07	3.5E-07	3.5E-07
	1.4E-07	7.8E-08	7.4E-08	8.0E-08	1.0E-07	1.2E-07	1.3E-07	1.1E-07	1.4E-07	1.0E-07	1.0E-07	1.0E-07	1.1E-07	1.6E-07	2.8E-07	2.8E-07
	1.1E-09	5.4E-10	3.0E-10	3.3E-10	5.4E-10	7.7E-10	9.8E-10	7.5E-10	8.1E-10	5.1E-10	5.4E-10	4.6E-10	5.9E-10	7.4E-10	1.5E-09	2.3E-09
	1.7E-07	9.6E-08	9.0E-08	9.8E-08	1.3E-07	1.5E-07	1.5E-07	1.4E-07	1.9E-07	1.3E-07	1.2E-07	1.3E-07	1.4E-07	2.0E-07	3.5E-07	3.4E-07
	1.7E-07	9.7E-08	9.1E-08	9.9E-08	1.3E-07	1.5E-07	1.6E-07	1.4E-07	1.9E-07	1.3E-07	1.2E-07	1.3E-07	1.4E-07	2.0E-07	3.5E-07	3.5E-07
	1.4E-07	7.7E-08	7.3E-08	7.9E-08	1.0E-07	1.2E-07	1.2E-07	1.1E-07	1.5E-07	1.0E-07	1.0E-07	1.0E-07	1.1E-07	1.6E-07	2.8E-07	2.8E-07
	1.4E-07	7.8E-08	7.3E-08	8.0E-08	1.0E-07	1.2E-07	1.3E-07	1.1E-07	1.5E-07	1.0E-07	1.0E-07	1.0E-07	1.1E-07	1.6E-07	2.8E-07	2.8E-07
	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.
4.8 KM																
	1.4E-07	7.4E-08	6.6E-08	6.9E-08	9.7E-08	1.1E-07	1.2E-07	1.1E-07	1.5E-07	1.0E-07	9.6E-08	1.0E-07	1.0E-07	1.6E-07	2.8E-07	2.7E-07
	1.1E-07	5.8E-08	5.2E-08	5.4E-08	7.6E-08	8.6E-08	9.2E-08	8.7E-08	1.1E-07	7.8E-08	7.6E-08	8.3E-08	8.3E-08	1.3E-07	2.2E-07	2.1E-07
	9.6E-10	3.8E-10	2.0E-10	2.2E-10	3.8E-10	5.4E-10	7.0E-10	5.6E-10	5.7E-10	3.7E-10	4.0E-10	3.6E-10	4.3E-10	5.7E-10	1.1E-09	1.7E-09
	1.4E-07	7.3E-08	6.5E-08	6.8E-08	9.6E-08	1.1E-07	1.2E-07	1.1E-07	1.4E-07	9.8E-08	9.5E-08	1.0E-07	1.0E-07	1.6E-07	2.8E-07	2.7E-07
	1.4E-07	7.3E-08	6.6E-08	6.9E-08	9.7E-08	1.1E-07	1.2E-07	1.1E-07	1.5E-07	9.9E-08	9.6E-08	1.0E-07	1.0E-07	1.6E-07	2.8E-07	2.7E-07
	1.1E-07	5.7E-08	5.1E-08	5.4E-08	7.6E-08	8.7E-08	9.1E-08	8.6E-08	1.1E-07	7.7E-08	7.5E-08	8.2E-08	8.2E-08	1.3E-07	2.2E-07	2.1E-07
	1.1E-07	5.8E-08	5.2E-08	5.4E-08	7.6E-08	8.7E-08	9.2E-08	8.6E-08	1.1E-07	7.8E-08	7.6E-08	8.2E-08	8.2E-08	1.3E-07	2.2E-07	2.1E-07
	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 9.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

SNUPPS-WC

TABLE 2.3-62

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 05/31/74

ANNUAL AVERAGE (GROUND)
STANDARD PTS. - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08:01:25

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-014-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
5.6 KM																
1	2E-07	5 8E-08	5 0E-08	5 1E-08	7 6E-08	8 1E-08	9 3E-08	9 4E-08	1 3E-07	8 3E-08	7 8E-08	8 6E-08	8 6E-08	1 4E-07	2 3E-07	2 2E-07
9	0E-08	4 5E-08	3 9E-08	3 9E-08	6 0E-08	6 3E-08	7 2E-08	7 3E-08	9 7E-08	6 4E-08	6 0E-08	6 7E-08	6 6E-08	1 1E-07	1 8E-07	1 7E-07
6	9E-10	2 9E-10	1 4E-10	1 5E-10	2 9E-10	3 7E-10	5 3E-10	4 6E-10	4 6E-10	2 9E-10	3 0E-10	2 8E-10	3 3E-10	4 5E-10	8 7E-10	1 3E-09
1	1E-07	5 7E-08	4 9E-08	5 0E-08	7 7E-08	8 0E-08	9 2E-08	9 3E-08	1 2E-07	8 1E-08	7 7E-08	8 5E-08	8 5E-08	1 4E-07	2 3E-07	2 2E-07
1	2E-07	5 8E-08	5 0E-08	5 1E-08	7 8E-08	8 1E-08	9 3E-08	9 4E-08	1 3E-07	8 2E-08	7 7E-08	8 6E-08	8 5E-08	1 4E-07	2 3E-07	2 2E-07
8	9E-08	4 4E-08	3 8E-08	3 9E-08	6 0E-08	6 2E-08	7 1E-08	7 2E-08	9 6E-08	6 3E-08	5 9E-08	6 6E-08	6 6E-08	1 1E-07	1 8E-07	1 7E-07
9	0E-08	4 5E-08	3 9E-08	3 9E-08	6 0E-08	6 3E-08	7 2E-08	7 3E-08	9 7E-08	6 4E-08	6 0E-08	6 7E-08	6 6E-08	1 1E-07	1 8E-07	1 7E-07
	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.
6.4 KM																
9	3E-08	4 8E-08	4 0E-08	4 3E-08	6 6E-08	6 8E-08	7 6E-08	7 8E-08	9 8E-08	6 8E-08	6 6E-08	7 4E-08	7 1E-08	1 1E-07	1 9E-07	1 8E-07
7	1E-08	3 7E-08	3 0E-08	3 3E-08	5 1E-08	5 2E-08	5 8E-08	5 9E-08	7 5E-08	5 2E-08	5 0E-08	5 7E-08	5 4E-08	8 6E-08	1 5E-07	1 4E-07
5	3E-10	2 3E-10	1 1E-10	1 2E-10	3 3E-10	3 2E-10	4 2E-10	3 6E-10	3 4E-10	2 2E-10	2 4E-10	2 3E-10	2 6E-10	3 5E-10	6 7E-10	1 0E-09
9	2E-08	4 7E-08	3 9E-08	4 2E-08	6 5E-08	6 7E-08	7 9E-08	7 1E-07	9 6E-08	6 7E-08	6 6E-08	7 3E-08	7 0E-08	1 1E-07	1 9E-07	1 8E-07
9	3E-08	4 8E-08	3 9E-08	4 3E-08	6 6E-08	6 8E-08	7 6E-08	7 8E-08	9 7E-08	6 8E-08	6 6E-08	7 4E-08	7 1E-08	1 1E-07	1 9E-07	1 8E-07
7	0E-08	3 6E-08	2 9E-08	3 2E-08	5 0E-08	5 1E-08	5 7E-08	5 9E-08	7 3E-08	5 1E-08	4 9E-08	5 6E-08	5 4E-08	8 5E-08	1 4E-07	1 4E-07
7	1E-08	3 7E-08	3 0E-08	3 3E-08	5 0E-08	5 2E-08	5 8E-08	5 9E-08	7 4E-08	5 2E-08	5 0E-08	5 6E-08	5 4E-08	8 6E-08	1 4E-07	1 4E-07
	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.
7.2 KM																
7	9E-08	4 1E-08	3 2E-08	3 7E-08	5 7E-08	5 8E-08	6 4E-08	6 7E-08	7 9E-08	5 7E-08	5 7E-08	6 4E-08	6 1E-08	9 1E-08	1 7E-07	1 5E-07
5	9E-08	3 1E-08	2 4E-08	2 8E-08	4 2E-08	4 4E-08	4 8E-08	5 0E-08	5 9E-08	4 3E-08	4 2E-08	4 8E-08	4 6E-08	6 8E-08	1 3E-07	1 1E-07
4	3E-10	1 9E-10	8 2E-11	9 9E-11	1 9E-10	2 4E-10	3 4E-10	3 0E-10	2 7E-10	1 9E-10	2 0E-10	1 9E-10	2 2E-10	2 7E-10	5 7E-10	8 5E-10
7	8E-08	4 0E-08	3 1E-08	3 6E-08	5 6E-08	5 7E-08	6 3E-08	6 6E-08	7 8E-08	5 6E-08	5 6E-08	6 3E-08	6 3E-08	9 0E-08	1 7E-07	1 5E-07
7	9E-08	4 1E-08	3 1E-08	3 7E-08	5 6E-08	5 8E-08	6 4E-08	6 7E-08	7 9E-08	5 7E-08	5 6E-08	6 4E-08	6 1E-08	9 1E-08	1 7E-07	1 5E-07
5	9E-08	3 0E-08	2 3E-08	2 7E-08	4 2E-08	4 3E-08	4 7E-08	4 9E-08	5 8E-08	4 2E-08	4 2E-08	4 7E-08	4 5E-08	6 8E-08	1 3E-07	1 1E-07
5	9E-08	3 1E-08	2 4E-08	2 8E-08	4 2E-08	4 3E-08	4 8E-08	5 0E-08	5 9E-08	4 3E-08	4 2E-08	4 8E-08	4 6E-08	6 8E-08	1 3E-07	1 1E-07
	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.
8.0 KM																
6	9E-08	3 6E-08	2 6E-08	3 2E-08	5 0E-08	5 1E-08	5 5E-08	5 8E-08	6 7E-08	5 0E-08	5 0E-08	5 6E-08	5 3E-08	7 8E-08	1 5E-07	1 3E-07
5	1E-08	2 7E-08	1 9E-08	2 4E-08	3 7E-08	3 8E-08	4 1E-08	4 3E-08	4 9E-08	3 7E-08	3 7E-08	4 2E-08	3 9E-08	5 8E-08	1 1E-07	9 6E-08
3	6E-10	1 6E-10	6 4E-11	8 3E-11	1 6E-10	2 1E-10	2 8E-10	2 5E-10	2 1E-10	1 6E-10	1 7E-10	1 6E-10	1 8E-10	2 2E-10	4 6E-10	6 9E-10
6	7E-08	3 5E-08	2 5E-08	3 2E-08	4 9E-08	5 0E-08	5 4E-08	5 7E-08	6 5E-08	4 9E-08	4 9E-08	5 5E-08	5 2E-08	7 7E-08	1 5E-07	1 3E-07
6	8E-08	3 6E-08	2 5E-08	3 2E-08	5 0E-08	5 1E-08	5 5E-08	5 8E-08	6 6E-08	5 0E-08	4 9E-08	5 6E-08	5 3E-08	7 8E-08	1 5E-07	1 3E-07
5	0E-08	2 6E-08	1 8E-08	2 3E-08	3 6E-08	3 7E-08	4 0E-08	4 2E-08	4 8E-08	3 6E-08	3 6E-08	4 1E-08	3 9E-08	5 7E-08	1 1E-07	9 5E-08
5	0E-08	2 6E-08	1 9E-08	2 4E-08	3 7E-08	3 8E-08	4 1E-08	4 3E-08	4 9E-08	3 7E-08	3 7E-08	4 1E-08	3 9E-08	5 8E-08	1 1E-07	9 6E-08
	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.

TOTAL OBS - 8760. TOTAL INV OBS - 311 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 9.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
12.0 KM																
3	5E-08	2 1E-08	1 4E-08	1 7E-08	2 9E-08	2 9E-08	3 0E-08	3 0E-08	4 2E-08	2 5E-08	2 8E-08	3 2E-08	3 0E-08	4 5E-08	8 2E-08	8 0E-08
2	4E-08	1 4E-08	1 0E-08	1 2E-08	2 0E-08	2 0E-08	2 1E-08	2 2E-08	2 9E-08	1 7E-08	2 0E-08	2 2E-08	2 1E-08	3 1E-08	5 7E-08	5 6E-08
1	6E-10	7 6E-11	3 0E-11	3 6E-11	7 9E-11	9 8E-11	1 3E-10	1 2E-10	1 1E-10	6 7E-11	8 3E-11	7 7E-11	8 7E-11	1 1E-10	2 2E-10	3 6E-10
3	4E-08	2 0E-08	1 4E-08	1 6E-08	2 8E-08	2 8E-08	2 9E-08	3 0E-08	4 1E-08	2 4E-08	2 8E-08	3 1E-08	3 0E-08	4 4E-08	8 0E-08	7 9E-08
3	5E-08	2 0E-08	1 4E-08	1 7E-08	2 9E-08	2 8E-08	2 9E-08	3 0E-08	4 2E-08	2 5E-08	2 8E-08	3 2E-08	3 0E-08	4 4E-08	8 1E-08	8 0E-08
2	4E-08	1 4E-08	9 6E-09	1 1E-08	2 0E-08	1 9E-08	2 0E-08	2 0E-08	2 9E-08	1 7E-08	1 9E-08	2 2E-08	2 1E-08	3 0E-08	5 6E-08	5 5E-08
2	4E-08	1 4E-08	9 9E-09	1 2E-08	2 0E-08	2 0E-08	2 0E-08	2 0E-08	2 9E-08	1 7E-08	2 0E-08	2 2E-08	2 1E-08	3 1E-08	5 7E-08	5 5E-08
	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.
16.0 KM																
2	2E-08	1 3E-08	9 2E-09	1 1E-08	1 9E-08	2 0E-08	1 9E-08	2 3E-08	3 1E-08	1 6E-08	1 9E-08	2 1E-08	2 0E-08	3 0E-08	5 3E-08	5 7E-08
1	5E-08	8 9E-09	6 1E-09	7 2E-09	1 3E-08	1 3E-08	1 3E-08	1 5E-08	2 0E-08	1 0E-08	1 2E-08	1 4E-08	1 3E-08	2 0E-08	3 5E-08	3 6E-08
8	6E-11	4 4E-11	1 7E-11	2 0E-11	4 6E-11	5 6E-11	7 4E-11	7 6E-11	7 3E-11	4 9E-11	4 4E-11	5 1E-11	6 2E-11	1 3E-10	2 3E-10	2 3E-10
2	1E-08	1 3E-08	8 7E-09	1 0E-08	1 9E-08	1 9E-08	1 8E-08	2 2E-08	3 0E-08	1 5E-08	1 8E-08	2 0E-08	2 0E-08	2 9E-08	5 2E-08	5 5E-08
2	2E-08	1 3E-08	9 0E-09	1 1E-08	1 9E-08	1 9E-08	2 2E-08	3 0E-08	4 1E-08	1 6E-08	1 9E-08	2 0E-08	2 0E-08	2 9E-08	5 3E-08	5 6E-08
1	4E-08	8 5E-09	5 8E-09	6 8E-09	1 2E-08	1 2E-08	1 2E-08	1 5E-08	2 0E-08	1 0E-08	1 2E-08	1 3E-08	1 3E-08	1 9E-08	3 5E-08	3 7E-08
1	4E-08	8 8E-09	6 0E-09	7 1E-09	1 3E-08	1 3E-08	1 5E-08	1 5E-08	2 0E-08	1 0E-08	1 2E-08	1 4E-08	1 3E-08	2 0E-08	3 5E-08	3 7E-08
	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.
24.0 KM																
1	2E-08	7 6E-09	5 2E-09	5 9E-09	9 8E-09	1 1E-08	1 0E-08	1 1E-08	1 6E-08	8 6E-09	1 0E-08	1 1E-08	1 1E-08	1 7E-08	3 3E-08	3 3E-08
7	4E-09	4 7E-09	3 2E-09	3 6E-09	6 1E-09	6 6E-09	6 3E-09	6 5E-09	1 0E-08	5 3E-09	6 2E-09	6 5E-09	6 9E-09	1 1E-08	2 0E-08	2 0E-08
3	9E-11	2 0E-11	7 8E-12	9 9E-12	1 9E-11	2 6E-11	3 3E-11	2 9E-11	3 2E-11	1 7E-11	2 2E-11	1 8E-11	2 3E-11	3 0E-11	6 4E-11	1 1E-10
1	1E-08	7 1E-09	4 8E-09	5 3E-09	9 3E-09	1 0E-08	9 7E-09	1 0E-08	1 5E-08	8 0E-09	9 6E-09	1 0E-08	1 1E-08	1 7E-08	3 2E-08	3 1E-08
1	2E-08	7 5E-09	5 1E-09	5 8E-09	9 7E-09	1 1E-08	1 0E-08	1 0E-08	1 6E-08	8 4E-09	9 9E-09	1 0E-08	1 1E-08	1 7E-08	3 3E-08	3 2E-08
7	1E-09	4 4E-09	2 9E-09	3 4E-09	5 7E-09	6 2E-09	6 0E-09	6 2E-09	9 5E-09	5 0E-09	5 9E-09	6 1E-09	6 6E-09	1 0E-08	2 0E-08	1 9E-08
7	3E-09	4 6E-09	3 1E-09	3 6E-09	6 0E-09	6 5E-09	6 2E-09	6 4E-09	9 9E-09	5 2E-09	6 1E-09	6 4E-09	6 8E-09	1 1E-08	2 0E-08	2 0E-08
	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.
32.0 KM																
8	3E-09	5 0E-09	3 4E-09	3 9E-09	5 9E-09	6 9E-09	6 9E-09	6 4E-09	1 1E-08	6 0E-09	6 5E-09	7 1E-09	7 4E-09	1 1E-08	2 3E-08	2 2E-08
4	8E-09	2 9E-09	2 0E-09	2 3E-09	4 0E-09	4 0E-09	3 7E-09	4 0E-09	6 3E-09	3 4E-09	4 1E-09	4 3E-09	5 0E-09	8 1E-09	1 3E-08	1 3E-08
2	2E-11	1 2E-11	4 4E-12	5 1E-12	9 6E-12	1 4E-11	1 9E-11	1 5E-11	1 8E-11	1 0E-11	1 2E-11	1 1E-11	1 3E-11	1 6E-11	3 7E-11	6 2E-11
7	8E-09	4 6E-09	3 1E-09	3 6E-09	5 5E-09	6 3E-09	6 4E-09	6 0E-09	1 0E-08	5 5E-09	6 1E-09	6 6E-09	7 0E-09	1 1E-08	2 2E-08	2 1E-08
8	1E-09	4 9E-09	3 3E-09	3 8E-09	5 8E-09	6 7E-09	6 8E-09	6 3E-09	1 1E-08	5 9E-09	6 4E-09	6 9E-09	7 3E-09	1 1E-08	2 2E-08	2 2E-08
4	5E-09	2 7E-09	1 8E-09	2 1E-09	3 2E-09	3 7E-09	3 7E-09	3 5E-09	5 9E-09	3 2E-09	3 5E-09	3 8E-09	4 1E-09	6 2E-09	1 2E-08	1 2E-08
4	7E-09	2 8E-09	1 9E-09	2 2E-09	3 3E-09	3 9E-09	3 9E-09	3 6E-09	6 2E-09	3 4E-09	3 7E-09	4 0E-09	4 2E-09	6 4E-09	1 3E-08	1 3E-08
	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.

TOTAL OBS - 8760. TOTAL INV OBS - 311 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 9.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-62

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 05/31/74

ANNUAL AVERAGE (GROUND) — WOLF CREEK GENERATING STATION
STANDARD PTS - T/R CORRECTED — KANSAS GAS AND ELECTRIC CO.
ONSITE METEOROLOGY — BURLINGTON, KANSAS
DATE 23-NOV-81 TIME 08 01 25 — DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
40.0 KM															
6.2E-09	2.9E-09	2.0E-09	3.1E-09	4.5E-09	4.6E-09	4.6E-09	4.8E-09	7.8E-09	4.0E-09	4.4E-09	4.8E-09	5.1E-09	8.0E-09	1.5E-08	1.7E-08
3.4E-09	1.6E-09	1.1E-09	1.7E-09	2.5E-09	2.5E-09	2.5E-09	2.6E-09	4.3E-09	2.2E-09	2.4E-09	2.6E-09	2.8E-09	4.4E-09	8.0E-09	9.2E-09
1.5E-11	3.9E-12	2.3E-12	3.5E-12	6.6E-12	8.5E-12	1.1E-11	9.9E-12	1.1E-11	5.9E-12	7.1E-12	6.3E-12	8.1E-12	1.0E-11	2.1E-11	4.1E-11
5.7E-09	2.6E-09	1.8E-09	2.7E-09	4.2E-09	4.1E-09	4.2E-09	4.4E-09	7.2E-09	3.6E-09	4.1E-09	4.4E-09	4.8E-09	7.5E-09	1.4E-08	1.6E-08
6.0E-09	2.8E-09	2.0E-09	3.0E-09	4.4E-09	4.4E-09	4.5E-09	4.7E-09	7.6E-09	3.9E-09	4.3E-09	4.7E-09	5.0E-09	7.9E-09	1.4E-08	1.6E-08
3.1E-09	1.4E-09	9.8E-10	1.5E-09	2.3E-09	2.3E-09	2.4E-09	2.5E-09	3.9E-09	2.0E-09	2.2E-09	2.4E-09	2.6E-09	4.1E-09	7.5E-09	8.7E-09
3.3E-09	1.6E-09	1.1E-09	1.6E-09	2.4E-09	2.4E-09	2.5E-09	2.6E-09	4.2E-09	2.1E-09	2.4E-09	2.6E-09	2.8E-09	4.3E-09	7.9E-09	9.0E-09
40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.
48.0 KM															
4.9E-09	1.9E-09	1.4E-09	2.5E-09	3.7E-09	3.3E-09	3.2E-09	3.8E-09	6.0E-09	2.8E-09	3.2E-09	3.5E-09	3.9E-09	5.9E-09	9.7E-09	1.3E-08
2.6E-09	1.0E-09	7.1E-10	1.3E-09	1.9E-09	1.7E-09	1.7E-09	2.0E-09	3.1E-09	1.5E-09	1.7E-09	1.8E-09	2.0E-09	3.1E-09	5.1E-09	6.7E-09
1.1E-11	3.5E-12	1.4E-12	2.5E-12	4.8E-12	5.4E-12	7.2E-12	7.1E-12	7.8E-12	3.8E-12	4.6E-12	5.4E-12	6.7E-12	1.0E-11	2.8E-11	4.8E-11
4.5E-09	1.7E-09	1.1E-09	2.2E-09	3.3E-09	2.9E-09	2.9E-09	3.4E-09	5.4E-09	2.5E-09	2.9E-09	3.1E-09	3.6E-09	5.4E-09	9.0E-09	1.2E-08
4.8E-09	1.9E-09	1.3E-09	2.4E-09	3.5E-09	3.2E-09	3.1E-09	3.7E-09	5.8E-09	2.7E-09	3.1E-09	3.4E-09	3.8E-09	5.7E-09	9.5E-09	1.2E-08
2.3E-09	8.9E-10	6.0E-10	1.1E-09	1.7E-09	1.5E-09	1.5E-09	1.8E-09	2.8E-09	1.3E-09	1.5E-09	1.6E-09	1.9E-09	2.8E-09	4.7E-09	6.2E-09
2.5E-09	9.7E-10	6.7E-10	1.3E-09	1.9E-09	1.7E-09	1.6E-09	1.9E-09	3.0E-09	1.4E-09	1.6E-09	1.8E-09	2.0E-09	3.0E-09	5.0E-09	6.5E-09
48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.
56.0 KM															
4.0E-09	1.3E-09	9.5E-10	2.1E-09	3.0E-09	2.5E-09	2.5E-09	3.1E-09	4.8E-09	2.2E-09	2.4E-09	2.6E-09	3.0E-09	4.5E-09	6.6E-09	1.0E-08
2.0E-09	6.8E-10	4.6E-10	1.0E-09	1.5E-09	1.2E-09	1.2E-09	1.5E-09	2.4E-09	1.1E-09	1.2E-09	1.3E-09	1.5E-09	2.3E-09	3.4E-09	5.0E-09
7.9E-12	2.2E-12	8.6E-13	1.9E-12	3.6E-12	3.7E-12	5.0E-12	5.2E-12	5.7E-12	2.6E-12	3.2E-12	3.8E-12	4.7E-12	8.0E-12	2.0E-11	
3.6E-09	1.2E-09	7.8E-10	1.8E-09	2.7E-09	2.1E-09	2.2E-09	2.7E-09	4.3E-09	1.9E-09	2.1E-09	2.3E-09	2.7E-09	4.1E-09	6.2E-09	9.2E-09
3.9E-09	1.3E-09	8.9E-10	2.0E-09	2.9E-09	2.4E-09	2.4E-09	3.0E-09	4.7E-09	2.1E-09	2.3E-09	2.5E-09	2.9E-09	4.4E-09	6.6E-09	9.8E-09
1.8E-09	5.9E-10	3.9E-10	8.9E-10	1.3E-09	1.1E-09	1.1E-09	1.4E-09	2.2E-09	9.4E-10	1.1E-09	1.2E-09	1.4E-09	2.1E-09	3.1E-09	4.6E-09
2.0E-09	6.5E-10	4.5E-10	1.0E-09	1.5E-09	1.2E-09	1.2E-09	1.5E-09	2.3E-09	1.0E-09	1.2E-09	1.3E-09	1.5E-09	2.2E-09	3.3E-09	4.9E-09
56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.
64.0 KM															
3.1E-09	9.9E-10	7.3E-10	1.4E-09	2.1E-09	1.8E-09	1.9E-09	2.4E-09	3.7E-09	1.7E-09	1.8E-09	2.1E-09	2.5E-09	3.6E-09	5.5E-09	7.8E-09
1.5E-09	4.8E-10	3.5E-10	6.6E-10	1.0E-09	8.6E-10	9.2E-10	1.2E-09	1.8E-09	8.2E-10	8.6E-10	1.0E-09	1.2E-09	1.7E-09	2.6E-09	3.8E-09
5.5E-12	1.5E-12	6.1E-13	1.1E-12	2.3E-12	2.5E-12	3.5E-12	3.7E-12	4.1E-12	1.9E-12	2.2E-12	2.1E-12	2.9E-12	4.1E-12	5.9E-12	1.4E-11
2.7E-09	8.4E-10	5.9E-10	1.1E-09	1.9E-09	1.5E-09	1.7E-09	2.1E-09	3.3E-09	1.4E-09	1.6E-09	1.9E-09	2.2E-09	3.2E-09	5.0E-09	7.1E-09
3.0E-09	9.4E-10	6.6E-10	1.3E-09	2.0E-09	1.7E-09	1.8E-09	2.3E-09	3.6E-09	1.6E-09	1.7E-09	2.0E-09	2.4E-09	3.5E-09	5.3E-09	7.6E-09
1.3E-09	4.1E-10	2.9E-10	5.5E-10	9.0E-10	7.4E-10	8.0E-10	1.0E-09	1.6E-09	6.9E-10	7.6E-10	9.0E-10	1.1E-09	1.6E-09	2.4E-09	3.4E-09
1.4E-09	4.6E-10	3.3E-10	6.2E-10	9.9E-10	8.2E-10	8.9E-10	1.1E-09	1.7E-09	7.8E-10	8.3E-10	9.9E-10	1.2E-09	1.7E-09	2.6E-09	3.7E-09
64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 9.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) — ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) — ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
72.0 KM															
2.4E-09	7.6E-10	5.8E-10	9.3E-10	1.6E-09	1.3E-09	1.5E-09	1.9E-09	3.0E-09	1.4E-09	1.3E-09	1.8E-09	2.1E-09	2.9E-09	4.4E-09	6.2E-09
1.1E-09	3.5E-10	2.7E-10	4.3E-10	7.4E-10	6.1E-10	7.0E-10	9.1E-10	1.4E-09	6.4E-10	6.2E-10	8.2E-10	9.8E-10	1.4E-09	2.1E-09	2.9E-09
3.9E-12	1.1E-12	4.5E-13	7.1E-13	1.6E-12	1.7E-12	2.6E-12	2.8E-12	3.0E-12	1.4E-12	1.5E-12	1.6E-12	2.3E-12	2.6E-12	4.4E-12	1.1E-11
2.1E-09	6.3E-10	4.6E-10	7.6E-10	1.4E-09	1.1E-09	1.3E-09	1.7E-09	2.6E-09	1.1E-09	1.2E-09	1.5E-09	1.9E-09	2.6E-09	4.0E-09	5.6E-09
2.3E-09	7.2E-10	5.1E-10	8.7E-10	1.5E-09	1.2E-09	1.4E-09	1.9E-09	2.9E-09	1.3E-09	1.3E-09	1.7E-09	2.0E-09	2.8E-09	4.3E-09	6.1E-09
9.6E-10	3.0E-10	2.1E-10	3.5E-10	6.4E-10	5.1E-10	6.0E-10	7.8E-10	1.2E-09	5.3E-10	5.4E-10	7.0E-10	8.7E-10	1.2E-09	1.9E-09	2.6E-09
1.1E-09	3.4E-10	2.5E-10	4.1E-10	7.1E-10	5.8E-10	6.6E-10	8.6E-10	1.3E-09	6.0E-10	6.0E-10	7.8E-10	9.4E-10	1.3E-09	2.0E-09	2.8E-09
72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.
80.0 KM															
1.9E-09	5.9E-10	4.9E-10	6.8E-10	1.2E-09	1.0E-09	1.2E-09	1.6E-09	2.4E-09	1.2E-09	1.1E-09	1.5E-09	1.8E-09	2.4E-09	3.7E-09	5.0E-09
8.7E-10	2.6E-10	2.2E-10	3.1E-10	5.5E-10	4.6E-10	5.4E-10	7.0E-10	1.1E-09	5.3E-10	4.6E-10	6.6E-10	8.0E-10	1.1E-09	1.7E-09	2.3E-09
3.0E-12	7.6E-13	3.5E-13	4.9E-13	1.1E-12	1.2E-12	2.0E-12	2.1E-12	2.2E-12	1.1E-12	1.1E-12	1.2E-12	1.6E-12	2.0E-12	3.4E-12	8.0E-12
1.7E-09	4.8E-10	3.8E-10	5.5E-10	1.0E-09	8.4E-10	1.0E-09	1.3E-09	2.0E-09	9.6E-10	9.2E-10	1.2E-09	1.6E-09	2.1E-09	3.2E-09	4.5E-09
1.8E-09	5.5E-10	4.5E-10	6.4E-10	1.2E-09	9.6E-10	1.2E-09	1.5E-09	2.2E-09	1.1E-09	1.0E-09	1.4E-09	1.7E-09	2.3E-09	3.6E-09	4.9E-09
7.4E-10	2.2E-10	1.7E-10	2.5E-10	4.6E-10	3.8E-10	4.7E-10	5.9E-10	9.1E-10	4.3E-10	4.2E-10	5.6E-10	7.1E-10	9.5E-10	1.5E-09	2.0E-09
8.3E-10	2.5E-10	2.0E-10	2.9E-10	5.2E-10	4.3E-10	5.3E-10	6.7E-10	1.0E-09	5.0E-10	4.6E-10	6.3E-10	7.7E-10	1.0E-09	1.6E-09	2.2E-09
80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 9.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) — ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) — ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 8 - DISTANCE IN METERS

SNUPPS-WC

TABLE 2.3-63

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 05/31/74

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08 28 42

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
0.4 KM																
	1.0E-06	1.2E-06	8.5E-07	8.0E-07	1.4E-06	1.8E-06	1.9E-06	1.8E-06	2.0E-06	1.2E-06	1.4E-06	1.6E-06	1.6E-06	2.4E-06	5.3E-06	6.7E-06
2	7.7E-06	1.1E-06	8.0E-07	7.6E-07	1.3E-06	1.7E-06	1.8E-06	1.7E-06	1.9E-06	1.1E-06	1.7E-06	1.9E-06	1.9E-06	3.0E-06	6.5E-06	6.3E-06
3	0.0E-08	1.6E-08	5.9E-09	5.3E-09	1.0E-08	2.1E-08	2.3E-08	1.8E-08	1.5E-08	8.0E-09	1.1E-08	1.0E-08	1.1E-08	1.3E-08	3.1E-08	7.4E-08
2	8.8E-06	1.2E-06	8.5E-07	8.0E-07	1.4E-06	1.8E-06	1.9E-06	1.8E-06	2.0E-06	1.2E-06	1.4E-06	1.6E-06	1.6E-06	2.4E-06	5.3E-06	6.7E-06
2	.8E-06	1.2E-06	8.5E-07	8.0E-07	1.4E-06	1.8E-06	1.9E-06	1.8E-06	2.0E-06	1.2E-06	1.4E-06	1.6E-06	1.6E-06	2.4E-06	5.3E-06	6.7E-06
2	7.7E-06	1.1E-06	8.0E-07	7.6E-07	1.3E-06	1.7E-06	1.8E-06	1.7E-06	1.9E-06	1.1E-06	1.7E-06	1.9E-06	1.9E-06	3.0E-06	6.5E-06	6.3E-06
2	7.7E-06	1.1E-06	8.0E-07	7.6E-07	1.3E-06	1.7E-06	1.8E-06	1.7E-06	1.9E-06	1.1E-06	1.7E-06	1.9E-06	1.9E-06	3.0E-06	6.5E-06	6.3E-06
	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.
0.8 KM																
	9.4E-07	4.3E-07	2.6E-07	2.8E-07	4.7E-07	6.5E-07	6.2E-07	6.2E-07	6.7E-07	4.0E-07	4.8E-07	5.1E-07	5.0E-07	8.3E-07	1.7E-06	2.3E-06
8	6.6E-07	4.0E-07	2.4E-07	2.6E-07	4.3E-07	5.9E-07	5.7E-07	5.7E-07	6.2E-07	3.7E-07	5.8E-07	5.9E-07	5.9E-07	9.9E-07	2.0E-06	2.1E-06
1	4.6E-08	6.7E-09	2.1E-09	2.2E-09	4.1E-09	8.6E-09	8.4E-09	7.0E-09	6.0E-09	3.2E-09	4.6E-09	3.7E-09	3.9E-09	5.1E-09	1.1E-08	2.0E-08
9	4.6E-07	4.3E-07	2.6E-07	2.8E-07	4.7E-07	6.5E-07	6.2E-07	6.2E-07	6.7E-07	4.0E-07	4.8E-07	5.1E-07	5.0E-07	8.3E-07	1.7E-06	2.3E-06
9	4.6E-07	4.3E-07	2.6E-07	2.8E-07	4.7E-07	6.5E-07	6.2E-07	6.2E-07	6.7E-07	4.0E-07	4.8E-07	5.1E-07	5.0E-07	8.3E-07	1.7E-06	2.3E-06
8	6.6E-07	4.0E-07	2.4E-07	2.5E-07	4.3E-07	5.9E-07	5.7E-07	5.7E-07	6.2E-07	3.7E-07	5.8E-07	5.9E-07	5.9E-07	9.9E-07	2.0E-06	2.1E-06
8	6.6E-07	4.0E-07	2.4E-07	2.6E-07	4.3E-07	5.9E-07	5.7E-07	5.7E-07	6.2E-07	3.7E-07	5.8E-07	5.9E-07	5.9E-07	9.9E-07	2.0E-06	2.1E-06
	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
1.2 KM																
5	0E-07	2.4E-07	1.3E-07	1.5E-07	2.4E-07	3.5E-07	3.3E-07	3.4E-07	3.6E-07	2.1E-07	2.7E-07	2.7E-07	2.6E-07	4.4E-07	8.8E-07	1.1E-06
4	5E-07	2.2E-07	1.2E-07	1.4E-07	2.2E-07	3.0E-07	3.0E-07	3.0E-07	3.2E-07	1.9E-07	2.2E-07	2.5E-07	2.5E-07	4.1E-07	1.0E-06	1.0E-06
7	5E-09	3.6E-09	1.1E-09	1.3E-09	2.1E-09	4.7E-09	4.5E-09	3.8E-09	3.3E-09	1.8E-09	2.6E-09	2.0E-09	2.0E-09	2.8E-09	5.9E-09	1.4E-08
5	0E-07	2.4E-07	1.3E-07	1.5E-07	2.4E-07	3.5E-07	3.3E-07	3.4E-07	3.6E-07	2.1E-07	2.7E-07	2.7E-07	2.6E-07	4.4E-07	8.8E-07	1.1E-06
5	0E-07	2.4E-07	1.3E-07	1.5E-07	2.4E-07	3.5E-07	3.3E-07	3.4E-07	3.6E-07	2.1E-07	2.7E-07	2.7E-07	2.6E-07	4.4E-07	8.8E-07	1.1E-06
4	5E-07	2.2E-07	1.2E-07	1.4E-07	2.2E-07	3.0E-07	3.0E-07	3.0E-07	3.2E-07	1.9E-07	2.2E-07	2.5E-07	2.5E-07	4.1E-07	1.0E-06	1.0E-06
4	5E-07	2.2E-07	1.2E-07	1.4E-07	2.2E-07	3.0E-07	3.0E-07	3.0E-07	3.2E-07	1.9E-07	2.2E-07	2.5E-07	2.5E-07	4.1E-07	1.0E-06	1.0E-06
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
1.6 KM																
3	3E-07	1.6E-07	9.2E-08	1.0E-07	1.7E-07	2.4E-07	2.3E-07	2.2E-07	2.4E-07	1.6E-07	1.7E-07	1.8E-07	1.7E-07	3.0E-07	6.0E-07	7.9E-07
2	9E-07	1.4E-07	8.1E-08	9.1E-08	1.5E-07	2.1E-07	2.0E-07	1.9E-07	2.1E-07	1.4E-07	2.0E-07	2.0E-07	1.9E-07	3.4E-07	6.9E-07	6.9E-07
4	7E-09	2.3E-09	7.5E-10	9.5E-10	1.4E-09	3.0E-09	2.9E-09	2.4E-09	2.2E-09	1.3E-09	1.6E-09	1.3E-09	1.3E-09	1.8E-09	3.9E-09	9.0E-09
3	3E-07	1.6E-07	9.1E-08	1.0E-07	1.7E-07	2.4E-07	2.2E-07	2.2E-07	2.4E-07	1.6E-07	1.7E-07	1.8E-07	1.7E-07	3.0E-07	6.0E-07	7.8E-07
3	3E-07	1.6E-07	9.2E-08	1.0E-07	1.7E-07	2.4E-07	2.2E-07	2.2E-07	2.4E-07	1.6E-07	1.7E-07	1.8E-07	1.7E-07	3.0E-07	6.0E-07	7.8E-07
2	9E-07	1.4E-07	8.1E-08	9.1E-08	1.5E-07	2.1E-07	2.0E-07	1.9E-07	2.1E-07	1.4E-07	2.0E-07	2.0E-07	1.9E-07	3.4E-07	6.9E-07	6.9E-07
2	9E-07	1.4E-07	8.1E-08	9.1E-08	1.5E-07	2.1E-07	2.0E-07	1.9E-07	2.1E-07	1.4E-07	2.0E-07	2.0E-07	1.9E-07	3.4E-07	6.9E-07	6.9E-07
	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 7.00 CALMS LOWER LEV - 0.61
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
2.4 KM																
1	8E-07	9.7E-08	5.6E-08	5.9E-08	1.0E-07	1.3E-07	1.3E-07	1.2E-07	1.3E-07	9.3E-08	9.5E-08	1.1E-07	9.5E-08	1.6E-07	3.5E-07	4.4E-07
1	6E-07	8.6E-08	4.9E-08	5.2E-08	8.8E-08	1.1E-07	1.1E-07	1.1E-07	1.2E-07	8.3E-08	1.1E-07	1.1E-07	1.0E-07	1.8E-07	3.9E-07	3.7E-07
2	3E-09	1.2E-09	4.1E-10	4.5E-10	7.9E-10	1.5E-09	1.5E-09	1.2E-09	1.1E-09	6.8E-10	7.9E-10	7.1E-10	6.7E-10	9.2E-10	2.0E-09	4.5E-09
1	8E-07	9.7E-08	5.5E-08	5.9E-08	1.0E-07	1.3E-07	1.3E-07	1.2E-07	1.3E-07	9.3E-08	9.5E-08	1.1E-07	9.5E-08	1.6E-07	3.5E-07	4.4E-07
1	8E-07	9.7E-08	5.6E-08	5.9E-08	1.0E-07	1.3E-07	1.3E-07	1.2E-07	1.3E-07	9.3E-08	9.5E-08	1.1E-07	9.5E-08	1.6E-07	3.5E-07	4.4E-07
1	6E-07	8.5E-08	4.9E-08	5.2E-08	8.8E-08	1.1E-07	1.1E-07	1.1E-07	1.2E-07	8.2E-08	1.1E-07	1.1E-07	1.0E-07	1.8E-07	3.9E-07	3.7E-07
1	6E-07	8.6E-08	4.9E-08	5.2E-08	8.8E-08	1.1E-07	1.1E-07	1.1E-07	1.2E-07	8.2E-08	1.1E-07	1.1E-07	1.0E-07	1.8E-07	3.9E-07	3.7E-07
	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.
3.2 KM																
1	3E-07	6.2E-08	3.6E-08	4.8E-08	6.9E-08	8.8E-08	9.2E-08	8.9E-08	1.0E-07	6.7E-08	6.8E-08	7.4E-08	6.8E-08	1.1E-07	2.4E-07	3.1E-07
1	1E-07	5.3E-08	3.1E-08	4.1E-08	5.9E-08	7.5E-08	7.9E-08	7.6E-08	8.5E-08	5.9E-08	7.4E-08	7.7E-08	7.3E-08	1.2E-07	2.6E-07	2.6E-07
1	4E-09	6.9E-10	2.5E-10	3.3E-10	4.9E-10	9.3E-10	1.0E-09	8.0E-10	7.7E-10	4.4E-10	5.1E-10	4.5E-10	4.3E-10	5.9E-10	1.3E-09	2.9E-09
1	3E-07	6.1E-08	3.6E-08	4.8E-08	6.9E-08	8.7E-08	9.2E-08	8.9E-08	9.9E-08	6.7E-08	6.7E-08	7.3E-08	6.7E-08	1.1E-07	2.4E-07	3.1E-07
1	3E-07	6.2E-08	3.6E-08	4.8E-08	6.9E-08	8.8E-08	9.2E-08	8.9E-08	9.9E-08	6.7E-08	6.7E-08	7.4E-08	6.8E-08	1.1E-07	2.4E-07	3.1E-07
1	1E-07	5.3E-08	3.1E-08	4.1E-08	5.8E-08	7.4E-08	7.8E-08	7.6E-08	8.5E-08	5.8E-08	7.4E-08	7.7E-08	7.2E-08	1.2E-07	2.6E-07	2.6E-07
1	1E-07	5.3E-08	3.1E-08	4.1E-08	5.9E-08	7.4E-08	7.9E-08	7.6E-08	8.5E-08	5.9E-08	7.4E-08	7.7E-08	7.3E-08	1.2E-07	2.6E-07	2.6E-07
	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.
4.0 KM																
9	3E-08	4.3E-08	2.5E-08	4.2E-08	5.1E-08	6.4E-08	7.0E-08	7.1E-08	7.9E-08	5.2E-08	5.2E-08	5.6E-08	5.1E-08	8.6E-08	1.8E-07	2.3E-07
7	8E-08	3.7E-08	2.1E-08	3.5E-08	4.3E-08	5.3E-08	5.9E-08	6.0E-08	6.6E-08	4.5E-08	5.7E-08	5.7E-08	4.4E-08	7.2E-08	1.9E-07	1.9E-07
9	7E-10	4.3E-10	1.6E-10	2.6E-10	3.3E-10	6.2E-10	7.0E-10	5.9E-10	5.6E-10	3.1E-10	3.6E-10	3.1E-10	3.0E-10	4.1E-10	8.9E-10	1.9E-09
9	3E-08	4.3E-08	2.5E-08	4.1E-08	5.1E-08	6.3E-08	7.0E-08	7.1E-08	7.8E-08	5.2E-08	5.2E-08	5.5E-08	5.1E-08	8.4E-08	1.8E-07	2.3E-07
9	3E-08	4.3E-08	2.5E-08	4.1E-08	5.1E-08	6.4E-08	7.0E-08	7.1E-08	7.9E-08	5.2E-08	5.2E-08	5.5E-08	5.1E-08	8.6E-08	1.8E-07	2.3E-07
7	8E-08	3.7E-08	2.1E-08	3.5E-08	4.3E-08	5.3E-08	5.9E-08	6.0E-08	6.6E-08	4.5E-08	5.7E-08	5.7E-08	4.4E-08	7.2E-08	1.9E-07	1.9E-07
7	8E-08	3.7E-08	2.1E-08	3.5E-08	4.3E-08	5.3E-08	5.9E-08	6.0E-08	6.6E-08	4.5E-08	5.7E-08	5.7E-08	4.4E-08	7.2E-08	1.9E-07	1.9E-07
	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.
4.8 KM																
7	5E-08	3.3E-08	2.2E-08	2.8E-08	3.9E-08	5.2E-08	5.6E-08	5.6E-08	6.0E-08	4.4E-08	4.2E-08	4.6E-08	4.2E-08	7.2E-08	1.5E-07	1.8E-07
6	2E-08	2.8E-08	1.8E-08	2.3E-08	3.2E-08	4.3E-08	4.6E-08	4.7E-08	5.0E-08	3.8E-08	4.5E-08	4.6E-08	4.3E-08	7.6E-08	1.6E-07	1.5E-07
7	2E-10	3.1E-10	1.2E-10	1.6E-10	2.3E-10	4.6E-10	5.2E-10	4.3E-10	4.0E-10	2.5E-10	2.7E-10	2.3E-10	2.3E-10	3.1E-10	6.7E-10	1.4E-09
7	4E-08	3.3E-08	2.2E-08	2.7E-08	3.8E-08	5.1E-08	5.5E-08	5.6E-08	6.0E-08	4.4E-08	4.2E-08	4.5E-08	4.1E-08	7.2E-08	1.4E-07	1.8E-07
7	4E-08	3.3E-08	2.2E-08	2.7E-08	3.9E-08	5.1E-08	5.5E-08	5.6E-08	6.0E-08	4.4E-08	4.2E-08	4.6E-08	4.2E-08	7.2E-08	1.5E-07	1.8E-07
6	1E-08	2.8E-08	1.8E-08	2.3E-08	3.2E-08	4.2E-08	4.6E-08	4.7E-08	4.9E-08	3.7E-08	4.4E-08	4.6E-08	4.2E-08	7.5E-08	1.5E-07	1.5E-07
6	2E-08	2.8E-08	1.8E-08	2.3E-08	3.2E-08	4.3E-08	4.6E-08	4.7E-08	5.0E-08	3.8E-08	4.5E-08	4.6E-08	4.3E-08	7.6E-08	1.5E-07	1.5E-07
	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 7.00 CALMS LOWER LEV - 0.61
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-63

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD : 06/01/73 TO 05/31/74

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08:28:42

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
GAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
5.6 KM																
6	2.2E-08	2.7E-08	2.0E-08	1.9E-08	3.1E-08	4.3E-08	4.5E-08	4.7E-08	4.9E-08	3.8E-08	3.5E-08	4.0E-08	3.5E-08	6.2E-08	1.2E-07	1.6E-07
5	1.1E-08	2.3E-08	1.6E-08	1.6.-08	2.5E-08	3.6E-08	3.7E-08	3.9E-08	4.0E-08	3.2E-08	3.7E-08	4.0E-08	3.6E-08	6.5E-08	1.3E-07	1.3E-07
5	6E-10	2.3E-10	1.0E-10	9.7E-11	1.7E-10	3.6E-10	4.0E-10	3.4E-10	3.0E-10	2.0E-10	2.1E-10	1.9E-10	1.8E-10	2.5E-10	5.2E-10	1.1E-09
6	1.1E-08	2.7E-08	1.9E-08	1.9E-08	3.1E-08	4.3E-08	4.5E-08	4.6E-08	4.8E-08	3.7E-08	3.4E-08	3.9E-08	3.5E-08	6.2E-08	1.2E-07	1.6E-07
6	2.2E-08	2.7E-08	2.0E-08	1.9E-08	3.1E-08	4.3E-08	4.5E-08	4.7E-08	4.9E-08	3.8E-08	3.5E-08	4.0E-08	3.5E-08	6.2E-08	1.2E-07	1.6E-07
5	0E-08	2.3E-08	1.6E-08	1.5E-08	2.5E-08	3.5E-08	3.7E-08	3.8E-08	4.0E-08	3.2E-08	3.6E-08	4.0E-08	3.6E-08	6.4E-08	1.2E-07	1.3E-07
5	1.1E-08	2.3E-08	1.6E-08	1.6E-08	2.5E-08	3.5E-08	3.7E-08	3.8E-08	4.0E-08	3.2E-08	3.6E-08	4.0E-08	3.6E-08	6.4E-08	1.2E-07	1.3E-07
	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.
6.4 KM																
5	3E-08	2.4E-08	1.6E-08	1.6E-08	2.7E-08	3.6E-08	3.8E-08	3.9E-08	4.0E-08	3.2E-08	3.0E-08	3.5E-08	2.9E-08	5.2E-08	1.0E-07	1.3E-07
4	3E-08	2.0E-08	1.4E-08	1.3E-08	2.2E-08	2.9E-08	3.1E-08	3.2E-08	3.2E-08	2.7E-08	3.1E-08	3.4E-08	2.9E-08	5.1E-08	1.1E-07	1.0E-07
4	4E-10	1.7E-10	6.9E-11	7.5E-11	1.4E-10	2.9E-10	3.1E-10	2.7E-10	2.3E-10	1.6E-10	1.7E-10	1.5E-10	1.4E-10	2.0E-10	4.2E-10	8.7E-10
5	2E-08	2.3E-08	1.6E-08	1.6E-08	2.7E-08	3.6E-08	3.7E-08	3.9E-08	3.9E-08	3.2E-08	3.0E-08	3.4E-08	2.8E-08	5.2E-08	1.0E-07	1.3E-07
5	3E-08	2.4E-08	1.6E-08	1.6E-08	2.7E-08	3.6E-08	3.8E-08	3.9E-08	4.0E-08	3.2E-08	3.0E-08	3.4E-08	2.8E-08	5.2E-08	1.0E-07	1.3E-07
4	3E-08	2.0E-08	1.3E-08	1.2E-08	2.2E-08	2.9E-08	3.0E-08	3.2E-08	3.2E-08	2.7E-08	3.1E-08	3.4E-08	2.9E-08	5.3E-08	1.1E-07	1.0E-07
4	3E-08	2.0E-08	1.4E-08	1.3E-08	2.2E-08	2.9E-08	3.1E-08	3.2E-08	3.2E-08	2.7E-08	3.1E-08	3.4E-08	2.9E-08	5.3E-08	1.1E-07	1.0E-07
	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.
7.2 KM																
4	6E-08	2.1E-08	1.3E-08	1.5E-08	2.5E-08	3.1E-08	3.2E-08	3.4E-08	3.4E-08	2.8E-08	2.7E-08	2.9E-08	2.4E-08	4.4E-08	8.8E-08	1.1E-07
3	8E-08	1.8E-08	1.1E-08	1.2E-08	2.0E-08	2.5E-08	2.6E-08	2.7E-08	2.7E-08	2.3E-08	2.6E-08	2.9E-08	2.4E-08	4.4E-08	9.1E-08	8.3E-08
3	7E-10	1.4E-10	5.0E-11	6.5E-11	1.3E-10	2.5E-10	2.5E-10	2.2E-10	1.9E-10	1.3E-10	1.5E-10	1.2E-10	1.1E-10	1.6E-10	3.4E-10	7.3E-10
4	6E-08	2.0E-08	1.3E-08	1.5E-08	2.5E-08	3.1E-08	3.1E-08	3.4E-08	3.3E-08	2.7E-08	2.7E-08	2.9E-08	2.4E-08	4.3E-08	8.7E-08	1.0E-07
4	6E-08	2.1E-08	1.3E-08	1.5E-08	2.5E-08	3.1E-08	3.2E-08	3.4E-08	3.4E-08	2.8E-08	2.7E-08	2.9E-08	2.4E-08	4.3E-08	8.8E-08	1.1E-07
3	7E-08	1.7E-08	1.1E-08	1.2E-08	2.0E-08	2.5E-08	2.5E-08	2.7E-08	2.7E-08	2.3E-08	2.6E-08	2.9E-08	2.4E-08	4.4E-08	9.0E-08	8.3E-08
3	7E-08	1.8E-08	1.1E-08	1.2E-08	2.0E-08	2.5E-08	2.5E-08	2.7E-08	2.7E-08	2.3E-08	2.6E-08	2.9E-08	2.4E-08	4.4E-08	9.0E-08	8.3E-08
	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.
8.0 KM																
4	1E-08	1.8E-08	1.1E-08	1.3E-08	2.3E-08	2.7E-08	2.8E-08	3.0E-08	2.9E-08	2.3E-08	2.4E-08	2.6E-08	2.0E-08	3.8E-08	7.9E-08	9.3E-08
3	3E-08	1.5E-08	9.0E-09	1.1E-08	1.8E-08	2.1E-08	2.2E-08	2.4E-08	2.3E-08	1.9E-08	2.4E-08	2.6E-08	2.0E-08	3.8E-08	8.0E-08	7.3E-08
3	1E-10	1.2E-10	4.6E-11	5.7E-11	1.1E-10	1.9E-10	2.1E-10	1.9E-10	1.5E-10	1.0E-10	1.2E-10	1.0E-10	8.5E-11	1.3E-10	2.8E-10	5.8E-10
4	1E-08	1.8E-08	1.1E-08	1.3E-08	2.3E-08	2.7E-08	3.0E-08	2.9E-08	2.9E-08	2.3E-08	2.4E-08	2.6E-08	2.0E-08	3.7E-08	7.9E-08	9.2E-08
4	1E-08	1.8E-08	1.1E-08	1.3E-08	2.3E-08	2.6E-08	2.8E-08	3.0E-08	2.9E-08	2.3E-08	2.4E-08	2.6E-08	2.0E-08	3.8E-08	7.9E-08	9.2E-08
3	3E-08	1.5E-08	8.9E-09	1.1E-08	1.8E-08	2.1E-08	2.2E-08	2.4E-08	2.3E-08	1.9E-08	2.4E-08	2.5E-08	2.0E-08	3.8E-08	8.0E-08	7.2E-08
3	3E-08	1.5E-08	9.0E-09	1.1E-08	1.8E-08	2.1E-08	2.2E-08	2.4E-08	2.3E-08	1.9E-08	2.4E-08	2.6E-08	2.0E-08	3.8E-08	8.0E-08	7.3E-08
	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 7.00 CALMS LOWER LEV - 0.61
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
12.0 KM																
2	3E-08	1.2E-08	6.4E-09	8.1E-09	1.2E-08	1.5E-08	1.7E-08	1.8E-08	1.9E-08	1.3E-08	1.5E-08	1.5E-08	1.4E-08	2.4E-08	4.9E-08	5.4E-08
1	8E-08	9.6E-09	5.2E-09	6.5E-09	9.4E-09	1.1E-08	1.3E-08	1.4E-08	1.5E-08	1.1E-08	1.5E-08	1.5E-08	1.4E-08	2.3E-08	4.8E-08	4.0E-08
1	4E-10	6.4E-11	2.1E-11	2.7E-11	4.6E-11	8.7E-11	1.0E-10	9.5E-11	8.4E-11	4.6E-11	6.3E-11	4.9E-11	5.1E-11	6.8E-11	1.5E-10	3.0E-10
2	3E-08	1.1E-08	6.3E-09	7.9E-09	1.2E-08	1.4E-08	1.6E-08	1.8E-08	1.9E-08	1.3E-08	1.5E-08	1.5E-08	1.4E-08	2.3E-08	4.8E-08	5.3E-08
2	3E-08	1.2E-08	6.4E-09	8.0E-09	1.2E-08	1.5E-08	1.7E-08	1.8E-08	1.9E-08	1.3E-08	1.5E-08	1.5E-08	1.4E-08	2.4E-08	4.9E-08	5.4E-08
1	8E-08	9.4E-09	5.1E-09	6.4E-09	9.3E-09	1.1E-08	1.3E-08	1.4E-08	1.4E-08	1.0E-08	1.5E-08	1.4E-08	1.4E-08	2.3E-08	4.7E-08	4.0E-08
1	8E-08	9.5E-09	5.2E-09	6.5E-09	9.4E-09	1.1E-08	1.3E-08	1.4E-08	1.4E-08	1.1E-08	1.5E-08	1.5E-08	1.4E-08	2.3E-08	4.8E-08	4.0E-08
	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.
16.0 KM																
1	6E-08	9.1E-09	4.4E-09	5.8E-09	7.8E-09	1.0E-08	1.1E-08	1.3E-08	1.5E-08	8.3E-09	1.1E-08	1.0E-08	1.1E-08	1.8E-08	3.4E-08	3.6E-08
1	3E-08	7.4E-09	3.5E-09	4.6E-09	5.9E-09	7.6E-09	8.6E-09	9.4E-09	1.1E-08	6.7E-09	1.1E-08	9.4E-09	1.0E-08	1.7E-08	3.3E-08	2.6E-08
8	6E-11	4.2E-11	1.2E-11	1.7E-11	2.6E-11	5.3E-11	6.4E-11	5.8E-11	5.6E-11	2.5E-11	4.1E-11	2.6E-11	3.3E-11	4.4E-11	9.3E-11	1.8E-10
1	6E-08	8.9E-09	4.2E-09	5.6E-09	7.7E-09	9.8E-09	1.1E-08	1.2E-08	1.4E-08	8.1E-09	1.1E-08	9.8E-09	1.0E-08	1.7E-08	3.4E-08	3.6E-08
1	6E-08	9.1E-09	4.3E-09	5.7E-09	7.8E-09	1.0E-08	1.1E-08	1.2E-08	1.5E-08	8.3E-09	1.1E-08	1.0E-08	1.1E-08	1.8E-08	3.4E-08	3.6E-08
1	2E-08	7.3E-09	3.4E-09	4.5E-09	5.8E-09	7.4E-09	8.4E-09	9.2E-09	1.1E-08	6.5E-09	1.1E-08	9.1E-09	9.9E-09	1.6E-08	3.2E-08	2.6E-08
1	3E-08	7.3E-09	3.5E-09	4.6E-09	5.9E-09	7.5E-09	8.5E-09	9.3E-09	1.1E-08	6.7E-09	1.1E-08	9.3E-09	1.0E-08	1.7E-08	3.3E-08	2.6E-08
	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.
24.0 KM																
9	6E-09	5.3E-09	3.0E-09	3.2E-09	4.9E-09	5.6E-09	6.6E-09	6.9E-09	8.7E-09	5.5E-09	6.2E-09	6.3E-09	6.1E-09	9.7E-09	2.1E-08	2.3E-08
7	2E-09	4.2E-09	2.4E-09	2.5E-09	3.6E-09	4.1E-09	4.8E-09	4.9E-09	6.3E-09	4.3E-09	5.9E-09	5.7E-09	5.5E-09	8.8E-09	1.9E-08	1.6E-08
4	0E-11	2.0E-11	6.4E-12	8.0E-12	1.3E-11	2.4E-11	3.1E-11	2.6E-11	2.8E-11	1.4E-11	1.8E-11	1.3E-11	1.5E-11	2.0E-11	4.6E-11	9.1E-11
9	3E-09	5.1E-09	2.9E-09	3.1E-09	4.8E-09	5.4E-09	6.4E-09	6.6E-09	8.4E-09	5.2E-09	6.0E-09	6.1E-09	5.9E-09	9.4E-09	2.0E-08	2.2E-08
9	5E-09	5.2E-09	3.0E-09	3.2E-09	4.9E-09	5.5E-09	6.5E-09	6.8E-09	8.6E-09	5.4E-09	6.2E-09	6.3E-09	6.0E-09	9.6E-09	2.1E-08	2.3E-08
6	9E-09	4.1E-09	2.3E-09	2.4E-09	3.5E-09	3.9E-09	4.6E-09	4.7E-09	6.0E-09	4.1E-09	5.6E-09	5.5E-09	5.4E-09	8.6E-09	1.8E-08	1.5E-08
7	1E-09	4.2E-09	2.4E-09	2.4E-09	3.6E-09	4.0E-09	4.7E-09	4.9E-09	6.2E-09	4.2E-09	5.8E-09	5.7E-09	5.5E-09	8.8E-09	1.9E-08	1.6E-08
	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.
32.0 KM																
6	5E-09	3.5E-09	2.3E-09	2.1E-09	3.5E-09	3.8E-09	4.5E-09	4.4E-09	6.1E-09	4.1E-09	4.1E-09	3.9E-09	4.6E-09	7.0E-09	1.4E-08	1.7E-08
4	7E-09	2.8E-09	1.7E-09	1.6E-09	2.5E-09	2.7E-09	3.1E-09	3.1E-09	4.2E-09	3.1E-09	3.6E-09	4.1E-09	3.7E-09	6.2E-09	1.3E-08	1.1E-08
2	5E-11	1.1E-11	4.4E-12	4.6E-12	8.2E-12	1.4E-11	1.9E-11	1.5E-11	1.7E-11	8.6E-12	1.0E-11	7.3E-12	8.0E-12	1.2E-11	2.7E-11	5.0E-11
6	3E-09	3.4E-09	2.2E-09	2.0E-09	3.4E-09	3.6E-09	4.2E-09	4.2E-09	5.8E-09	3.8E-09	3.7E-09	3.9E-09	3.9E-09	6.7E-09	1.4E-08	1.6E-08
6	5E-09	3.5E-09	2.2E-09	2.1E-09	3.5E-09	3.7E-09	4.4E-09	4.2E-09	6.0E-09	4.0E-09	3.9E-09	4.5E-09	4.1E-09	6.9E-09	1.4E-08	1.7E-08
4	5E-09	2.7E-09	1.7E-09	1.5E-09	2.4E-09	2.5E-09	3.0E-09	2.9E-09	4.0E-09	2.9E-09	3.4E-09	3.8E-09	3.5E-09	5.9E-09	1.2E-08	1.1E-08
4	6E-09	2.7E-09	1.7E-09	1.6E-09	2.5E-09	2.6E-09	3.1E-09	3.0E-09	4.1E-09	3.1E-09	3.5E-09	4.0E-09	3.6E-09	6.1E-09	1.2E-08	1.1E-08
	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 7.00 CALMS LOWER LEV - 0.61
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-63

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 05/31/74

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08:28:42

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
40.0 KM																
	4.6E-09	2.2E-09	1.5E-09	1.8E-09	2.7E-09	2.8E-09	3.2E-09	3.4E-09	4.7E-09	2.9E-09	2.8E-09	3.5E-09	3.0E-09	5.3E-09	9.9E-09	1.2E-08
	3.2E-09	1.7E-09	1.2E-09	1.3E-09	1.9E-09	1.9E-09	2.2E-09	2.3E-09	3.1E-09	2.2E-09	2.5E-09	3.1E-09	2.6E-09	4.5E-09	8.4E-09	7.5E-09
	1.5E-11	6.5E-12	2.6E-12	3.3E-12	5.6E-12	9.4E-12	1.2E-11	1.0E-11	1.2E-11	5.6E-12	6.5E-12	5.0E-12	5.8E-12	8.3E-12	1.7E-11	3.6E-11
	4.4E-09	2.1E-09	1.5E-09	1.7E-09	2.6E-09	2.6E-09	3.0E-09	3.2E-09	4.4E-09	2.7E-09	2.6E-09	3.2E-09	2.9E-09	5.0E-09	9.4E-09	1.1E-08
	4.5E-09	2.2E-09	1.5E-09	1.7E-09	2.7E-09	2.7E-09	3.1E-09	3.4E-09	4.6E-09	2.8E-09	2.7E-09	3.4E-09	3.0E-09	5.2E-09	9.7E-09	1.2E-08
	3.1E-09	1.6E-09	1.1E-09	1.2E-09	1.8E-09	1.8E-09	2.0E-09	2.2E-09	3.0E-09	2.0E-09	2.3E-09	2.8E-09	2.5E-09	4.3E-09	8.0E-09	7.2E-09
	3.2E-09	1.6E-09	1.2E-09	1.3E-09	1.8E-09	1.9E-09	2.1E-09	2.3E-09	3.1E-09	2.1E-09	2.5E-09	3.0E-09	2.6E-09	4.4E-09	8.3E-09	7.4E-09
	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.
48.0 KM																
	3.4E-09	1.5E-09	1.1E-09	1.5E-09	2.2E-09	2.1E-09	2.5E-09	2.7E-09	3.8E-09	2.2E-09	2.1E-09	2.7E-09	2.4E-09	4.1E-09	7.0E-09	9.3E-09
	2.4E-09	1.1E-09	8.8E-10	1.1E-09	1.5E-09	1.4E-09	1.6E-09	1.8E-09	2.5E-09	1.6E-09	1.9E-09	2.5E-09	2.0E-09	3.5E-09	5.8E-09	5.8E-09
	1.0E-11	4.1E-12	1.6E-12	2.6E-12	4.1E-12	6.7E-12	8.1E-12	7.6E-12	8.6E-12	4.0E-12	4.2E-12	3.3E-12	4.1E-12	5.8E-12	1.1E-11	2.6E-11
	3.2E-09	1.4E-09	1.1E-09	1.4E-09	2.0E-09	2.0E-09	2.3E-09	2.5E-09	3.5E-09	2.0E-09	1.9E-09	2.5E-09	2.2E-09	3.8E-09	6.6E-09	8.8E-09
	3.2E-09	1.5E-09	1.1E-09	1.5E-09	2.1E-09	2.1E-09	2.4E-09	2.7E-09	3.7E-09	2.1E-09	2.0E-09	2.6E-09	2.3E-09	4.0E-09	6.9E-09	9.2E-09
	2.3E-09	1.1E-09	8.2E-10	1.0E-09	1.4E-09	1.3E-09	1.5E-09	1.7E-09	2.3E-09	1.5E-09	1.7E-09	2.3E-09	1.9E-09	3.2E-09	5.5E-09	5.5E-09
	2.4E-09	1.1E-09	8.7E-10	1.1E-09	1.4E-09	1.4E-09	1.6E-09	1.7E-09	2.4E-09	1.6E-09	1.8E-09	2.4E-09	2.0E-09	3.4E-09	5.7E-09	5.7E-09
	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.
56.0 KM																
	2.7E-09	1.1E-09	8.8E-10	1.3E-09	1.8E-09	1.7E-09	2.0E-09	2.4E-09	3.1E-09	1.7E-09	1.6E-09	2.2E-09	1.9E-09	3.4E-09	5.3E-09	7.5E-09
	1.9E-09	7.8E-10	6.6E-10	9.3E-10	1.2E-09	1.1E-09	1.3E-09	1.5E-09	2.0E-09	1.2E-09	1.5E-09	2.1E-09	1.6E-09	3.1E-09	4.9E-09	5.0E-09
	7.3E-12	2.7E-12	1.3E-12	2.2E-12	3.1E-12	4.9E-12	6.1E-12	6.1E-12	6.7E-12	2.9E-12	3.4E-12	4.9E-12	3.3E-12	6.5E-12	7.4E-12	1.9E-11
	2.5E-09	9.9E-10	8.1E-10	1.2E-09	1.7E-09	1.5E-09	1.8E-09	2.2E-09	2.9E-09	1.5E-09	1.5E-09	2.0E-09	1.8E-09	3.1E-09	4.9E-09	7.1E-09
	2.6E-09	1.0E-09	8.6E-10	1.2E-09	1.7E-09	1.6E-09	1.9E-09	2.3E-09	3.0E-09	1.7E-09	1.6E-09	2.1E-09	1.9E-09	3.3E-09	5.2E-09	7.4E-09
	1.7E-09	7.4E-10	6.1E-10	8.4E-10	1.1E-09	1.0E-09	1.2E-09	1.4E-09	1.8E-09	1.1E-09	1.3E-09	1.8E-09	1.5E-09	2.8E-09	4.0E-09	4.3E-09
	1.8E-09	7.7E-10	6.4E-10	9.0E-10	1.2E-09	1.1E-09	1.3E-09	1.5E-09	1.9E-09	1.2E-09	1.4E-09	2.0E-09	1.6E-09	3.0E-09	4.2E-09	4.5E-09
	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.
64.0 KM																
	2.2E-09	8.6E-10	7.1E-10	9.9E-10	1.4E-09	1.5E-09	1.6E-09	1.7E-09	2.4E-09	1.4E-09	1.3E-09	1.8E-09	1.7E-09	2.7E-09	4.7E-09	6.0E-09
	1.5E-09	6.3E-10	5.2E-10	7.1E-10	8.9E-10	8.6E-10	1.0E-09	1.1E-09	1.5E-09	1.0E-09	1.2E-09	1.6E-09	1.5E-09	2.4E-09	3.7E-09	3.9E-09
	5.7E-12	2.1E-12	9.7E-13	1.6E-12	2.3E-12	4.1E-12	4.5E-12	4.2E-12	4.9E-12	2.3E-12	3.0E-12	3.6E-12	3.0E-12	4.7E-12	6.1E-12	1.4E-11
	2.0E-09	8.0E-10	6.4E-10	8.8E-10	1.3E-09	1.4E-09	1.6E-09	2.2E-09	2.9E-09	1.7E-09	1.2E-09	1.8E-09	1.6E-09	2.5E-09	4.3E-09	5.6E-09
	2.2E-09	8.4E-10	6.9E-10	9.6E-10	1.3E-09	1.5E-09	1.7E-09	2.4E-09	3.1E-09	1.8E-09	1.2E-09	1.7E-09	1.7E-09	2.7E-09	4.6E-09	5.9E-09
	1.4E-09	5.9E-10	4.7E-10	6.3E-10	8.3E-10	8.7E-10	9.1E-10	9.7E-10	1.4E-09	8.8E-10	1.1E-09	1.4E-09	1.4E-09	2.2E-09	3.4E-09	3.3E-09
	1.5E-09	6.2E-10	5.1E-10	6.8E-10	8.7E-10	9.3E-10	9.8E-10	1.0E-09	1.5E-09	9.6E-10	1.1E-09	1.5E-09	1.5E-09	2.4E-09	3.6E-09	3.5E-09
	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.

TOTAL OBS - 8760. TOTAL INV OBS - 311 CALMS UPPER LEVEL - 7.00 CALMS LOWER LEV - 0.61
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
72.0 KM																
	1.8E-09	7.5E-10	6.1E-10	8.2E-10	1.2E-09	1.4E-09	1.3E-09	1.3E-09	1.9E-09	1.1E-09	1.1E-09	1.4E-09	1.6E-09	2.3E-09	4.1E-09	5.0E-09
	1.2E-09	5.4E-10	4.4E-10	5.8E-10	7.5E-10	8.8E-10	8.1E-10	8.3E-10	1.1E-09	7.8E-10	9.9E-10	1.3E-09	1.4E-09	2.0E-09	3.5E-09	2.9E-09
	4.4E-12	1.7E-12	8.0E-13	1.3E-12	1.9E-12	3.6E-12	3.5E-12	3.1E-12	3.6E-12	1.8E-12	2.4E-12	2.7E-12	2.6E-12	3.6E-12	7.2E-12	1.1E-11
	1.7E-09	6.9E-10	5.4E-10	7.2E-10	1.1E-09	1.2E-09	1.1E-09	1.2E-09	1.7E-09	9.7E-10	9.7E-10	1.2E-09	1.5E-09	2.1E-09	3.7E-09	4.6E-09
	1.8E-09	7.3E-10	5.9E-10	7.9E-10	1.1E-09	1.3E-09	1.2E-09	1.3E-09	1.8E-09	1.1E-09	1.0E-09	1.4E-09	1.6E-09	2.2E-09	4.0E-09	4.9E-09
	1.1E-09	5.0E-10	4.0E-10	5.1E-10	6.9E-10	7.8E-10	7.1E-10	7.4E-10	1.0E-09	6.8E-10	8.7E-10	1.1E-09	1.3E-09	1.8E-09	3.2E-09	2.7E-09
	1.2E-09	5.3E-10	4.3E-10	5.6E-10	7.3E-10	8.4E-10	7.7E-10	8.0E-10	1.1E-09	7.5E-10	9.4E-10	1.2E-09	1.3E-09	1.9E-09	3.4E-09	2.8E-09
	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.
80.0 KM																
	1.6E-09	6.8E-10	5.0E-10	6.4E-10	9.5E-10	1.0E-09	1.1E-09	1.1E-09	1.5E-09	9.4E-10	9.0E-10	1.2E-09	1.5E-09	2.0E-09	3.7E-09	4.2E-09
	1.0E-09	4.9E-10	3.6E-10	4.4E-10	5.9E-10	7.9E-10	6.7E-10	6.4E-10	8.8E-10	6.5E-10	8.2E-10	1.1E-09	1.3E-09	1.7E-09	3.2E-09	2.3E-09
	3.7E-12	1.5E-12	6.3E-13	9.4E-13	1.5E-12	3.1E-12	2.8E-12	2.3E-12	2.7E-12	1.5E-12	1.9E-12	2.1E-12	2.7E-12	3.9E-12	5.6E-12	8.9E-12
	1.4E-09	6.2E-10	4.4E-10	5.5E-10	8.6E-10	1.1E-09	9.6E-10	9.4E-10	1.3E-09	8.1E-10	1.1E-09	1.3E-09	1.7E-09	2.3E-09	3.8E-09	3.8E-09
	1.5E-09	6.6E-10	4.8E-10	6.1E-10	9.2E-10	1.2E-09	1.0E-09	1.0E-09	1.4E-09	8.9E-10	8.9E-10	1.2E-09	1.4E-09	1.9E-09	3.6E-09	4.1E-09
	9.3E-10	4.5E-10	3.2E-10	3.9E-10	5.4E-10	6.9E-10	5.9E-10	5.7E-10	7.9E-10	5.6E-10	7.2E-10	9.1E-10	1.1E-09	1.5E-09	2.6E-09	2.1E-09
	9.9E-10	4.8E-10	3.5E-10	4.2E-10	5.8E-10	7.6E-10	6.4E-10	6.2E-10	8.5E-10	6.2E-10	7.8E-10	1.0E-09	1.2E-09	1.6E-09	3.1E-09	2.3E-09
	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.

TOTAL OBS - 8760. TOTAL INV OBS - 311 CALMS UPPER LEVEL - 7.00 CALMS LOWER LEV - 0.61
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-64

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 05/31/74

ANNUAL AVERAGE (GROUND)
SPECIAL PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08.11.25

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
EXCLUSION BOUNDARY	9.7E-07	5.5E-07	5.5E-07	7.0E-07	7.2E-07	8.8E-07	8.1E-07	8.6E-07	1.1E-06	7.8E-07	6.9E-07	9.2E-07	7.0E-07	1.2E-06	2.0E-06	2.1E-06
	8.7E-07	4.9E-07	4.9E-07	6.2E-07	6.4E-07	7.8E-07	7.3E-07	7.7E-07	9.6E-07	7.0E-07	6.1E-07	8.2E-07	6.3E-07	1.1E-06	1.8E-06	1.6E-06
	8.3E-09	3.9E-09	2.3E-09	2.9E-09	3.8E-09	5.7E-09	6.4E-09	5.7E-09	5.5E-09	3.9E-09	3.9E-09	4.3E-09	3.9E-09	5.6E-09	1.1E-08	1.6E-08
	9.7E-07	5.5E-07	5.5E-07	7.2E-07	7.2E-07	8.7E-07	8.1E-07	8.6E-07	1.1E-06	7.8E-07	6.9E-07	9.2E-07	7.0E-07	1.2E-06	2.0E-06	2.1E-06
	9.7E-07	5.5E-07	5.5E-07	7.0E-07	7.2E-07	8.6E-07	8.1E-07	8.6E-07	1.1E-06	7.8E-07	6.9E-07	9.2E-07	7.0E-07	1.2E-06	2.0E-06	2.1E-06
	8.7E-07	4.9E-07	4.9E-07	6.2E-07	6.4E-07	7.8E-07	7.3E-07	7.7E-07	9.6E-07	7.0E-07	6.1E-07	8.2E-07	6.3E-07	1.1E-06	1.8E-06	1.6E-06
	8.7E-07	4.9E-07	4.9E-07	6.2E-07	6.4E-07	7.8E-07	7.3E-07	7.7E-07	9.6E-07	7.0E-07	6.1E-07	8.2E-07	6.3E-07	1.1E-06	1.8E-06	1.6E-06
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
LOW POPULATION ZONE	1.8E-07	9.7E-08	9.1E-08	9.7E-08	1.0E-07	1.5E-07	1.5E-07	1.4E-07	1.9E-07	1.0E-07	1.2E-07	1.0E-07	1.0E-07	1.2E-07	3.6E-07	3.4E-07
	1.5E-07	7.8E-08	7.0E-08	7.8E-08	1.0E-07	1.2E-07	1.2E-07	1.1E-07	1.5E-07	1.0E-07	9.9E-08	1.0E-07	1.1E-07	1.7E-07	2.9E-07	2.7E-07
	1.2E-09	5.4E-10	2.9E-10	3.2E-10	5.3E-10	7.6E-10	9.7E-10	7.3E-10	7.9E-10	5.0E-10	5.3E-10	4.5E-10	5.8E-10	7.7E-10	1.5E-09	2.3E-09
	1.8E-07	9.6E-08	9.0E-08	9.6E-08	1.2E-07	1.5E-07	1.9E-07	1.4E-07	1.9E-07	1.2E-07	1.2E-07	1.2E-07	1.3E-07	2.1E-07	3.6E-07	3.4E-07
	1.8E-07	9.7E-08	9.1E-08	9.7E-08	1.3E-07	1.5E-07	1.5E-07	1.4E-07	1.9E-07	1.3E-07	1.2E-07	1.2E-07	1.3E-07	2.1E-07	3.6E-07	3.4E-07
	1.4E-07	7.7E-08	7.2E-08	7.7E-08	1.0E-07	1.2E-07	1.2E-07	1.1E-07	1.5E-07	1.0E-07	9.0E-08	1.0E-07	1.1E-07	1.7E-07	2.9E-07	2.7E-07
	1.5E-07	7.8E-08	7.3E-08	7.8E-08	1.0E-07	1.2E-07	1.2E-07	1.1E-07	1.5E-07	1.0E-07	9.9E-08	1.0E-07	1.1E-07	1.7E-07	2.9E-07	2.7E-07
	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.
NEAREST RESIDENT	1.3E-07	1.7E-07	1.4E-07	1.6E-07	2.1E-07	3.0E-07	1.1E-07	9.3E-08	1.9E-07	1.6E-07	1.1E-07	1.6E-07	1.1E-07	5.2E-07	4.2E-07	8.4E-07
	1.0E-07	1.4E-07	1.2E-07	1.3E-07	1.8E-07	2.8E-07	9.0E-08	7.2E-08	1.5E-07	1.3E-07	8.7E-08	1.3E-07	8.6E-08	4.4E-07	3.4E-07	7.1E-07
	8.3E-10	1.0E-09	5.0E-10	5.9E-10	9.8E-10	2.0E-09	6.8E-10	4.5E-10	7.9E-10	6.6E-10	4.7E-10	6.0E-10	4.5E-10	2.3E-09	1.8E-09	6.4E-09
	1.3E-07	1.7E-07	1.4E-07	1.6E-07	2.1E-07	3.3E-07	1.1E-07	9.1E-08	1.9E-07	1.6E-07	1.1E-07	1.6E-07	1.1E-07	5.2E-07	4.1E-07	8.3E-07
	1.3E-07	1.7E-07	1.4E-07	1.6E-07	2.1E-07	3.3E-07	1.1E-07	9.2E-08	1.9E-07	1.6E-07	1.1E-07	1.6E-07	1.1E-07	5.2E-07	4.2E-07	8.4E-07
	1.0E-07	1.4E-07	1.2E-07	1.3E-07	1.8E-07	2.8E-07	8.9E-08	7.1E-08	1.5E-07	1.3E-07	8.7E-08	1.3E-07	8.5E-08	4.4E-07	3.4E-07	7.1E-07
	1.0E-07	1.4E-07	1.2E-07	1.3E-07	1.8E-07	2.8E-07	9.0E-08	7.1E-08	1.5E-07	1.3E-07	8.7E-08	1.3E-07	8.6E-08	4.4E-07	3.4E-07	7.1E-07
	4988.	2816.	3138.	2816.	2735.	2333.	4827.	5632.	4023.	3379.	4344.	3540.	4666.	2092.	3540.	2172.
NEAREST VEGETABLE	1.1E-07	1.2E-07	1.2E-07	1.6E-07	2.1E-07	3.3E-07	1.1E-07	9.3E-08	7.6E-08	9.9E-08	1.1E-07	1.6E-07	1.1E-07	4.7E-07	4.1E-07	8.4E-07
	8.2E-08	1.0E-07	9.6E-08	1.3E-07	1.6E-07	2.8E-07	8.3E-08	7.2E-08	5.7E-08	7.8E-08	8.7E-08	1.2E-07	8.6E-08	4.0E-07	3.3E-07	7.1E-07
	6.3E-10	7.2E-10	4.0E-10	5.9E-10	9.7.E-10	2.0E-09	6.2E-10	4.5E-10	7.5E-10	6.3E-10	4.7E-10	6.0E-10	4.5E-10	2.0E-09	1.8E-09	6.4E-09
	1.1E-07	1.2E-07	1.2E-07	1.6E-07	2.1E-07	3.3E-07	1.0E-07	9.1E-08	7.5E-08	9.7E-08	1.1E-07	1.6E-07	1.1E-07	4.6E-07	4.1E-07	8.3E-07
	1.1E-07	1.2E-07	1.2E-07	1.6E-07	2.1E-07	3.3E-07	1.1E-07	9.2E-08	7.6E-08	9.8E-08	1.1E-07	1.6E-07	1.1E-07	4.7E-07	4.1E-07	8.4E-07
	8.1E-08	1.0E-07	9.5E-08	1.3E-07	1.6E-07	2.8E-07	8.2E-08	7.1E-08	5.6E-08	7.7E-08	8.7E-08	1.2E-07	8.5E-08	3.9E-07	3.3E-07	7.1E-07
	8.2E-08	1.0E-07	9.6E-08	1.3E-07	1.6E-07	2.8E-07	8.2E-08	7.1E-08	5.7E-08	7.7E-08	8.7E-08	1.3E-07	8.6E-08	4.0E-07	3.3E-07	7.1E-07
	5792.	3379.	3540.	2816.	2735.	2333.	5149.	5632.	7401.	4827.	4344.	3540.	4666.	2253.	3620.	2172.

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 9.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
NEAREST MEAT ANIMAL	8.8E-07	5.4E-07	5.5E-07	3.0E-07	3.3E-07	4.4E-07	1.1E-07	1.0E-07	1.3E-07	2.5E-07	2.3E-07	2.4E-07	1.0E-07	2.3E-07	4.8E-07	1.1E-06
	7.8E-07	4.9E-07	4.9E-07	2.5E-07	2.8E-07	3.8E-07	8.3E-08	7.8E-08	1.0E-07	2.1E-07	2.0E-07	2.0E-07	8.2E-08	1.8E-07	3.9E-07	9.6E-07
	7.5E-09	3.8E-09	2.3E-09	1.2E-09	1.6E-09	2.7E-09	6.2E-10	4.9E-10	5.0E-10	1.1E-09	1.2E-09	9.7E-10	4.2E-10	8.6E-10	2.2E-09	9.1E-09
	8.8E-07	5.4E-07	5.5E-07	2.9E-07	3.2E-07	4.4E-07	1.0E-07	9.9E-08	1.3E-07	2.5E-07	2.3E-07	2.4E-07	1.0E-07	2.3E-07	4.8E-07	1.1E-06
	8.8E-07	5.4E-07	5.5E-07	3.0E-07	3.3E-07	4.4E-07	1.1E-07	1.0E-07	1.3E-07	2.5E-07	2.3E-07	2.4E-07	1.0E-07	2.3E-07	4.8E-07	1.1E-06
	7.8E-07	4.8E-07	4.9E-07	2.5E-07	2.8E-07	3.8E-07	8.2E-08	7.7E-08	1.0E-07	2.1E-07	2.0E-07	2.0E-07	8.1E-08	1.8E-07	3.9E-07	9.6E-07
	7.8E-07	4.8E-07	4.9E-07	2.5E-07	2.8E-07	3.8E-07	8.2E-08	7.8E-08	1.0E-07	2.1E-07	2.0E-07	2.0E-07	8.2E-08	1.8E-07	3.9E-07	9.6E-07
	1207.	1207.	1207.	1931.	2011.	1931.	5149.	5310.	5310.	2574.	2414.	2735.	4827.	3701.	3218.	1770.
NEAREST DAIRY COW	7.4E-08	7.4E-08		1.6E-07	3.3E-07	4.4E-07	7.6E-08				5.3E-08			1.3E-07	4.8E-07	
	5.5E-08	5.8E-08		1.3E-07	2.8E-07	3.8E-07	5.8E-08				4.0E-08			1.0E-07	3.9E-07	
	3.9E-10	3.8E-10	NONE	5.9E-10	1.6E-09	2.7E-09	4.2E-10	NONE	NONE	NONE	1.9E-10	NONE	NONE	4.4E-10	2.2E-09	NONE
	7.3E-08	7.3E-08	IN	1.6E-07	3.2E-07	4.4E-07	7.5E-08	IN	IN	IN	5.2E-08	IN	IN	1.3E-07	4.6E-07	IN
	7.4E-08	7.3E-08	THIS	1.6E-07	3.3E-07	4.4E-07	7.6E-08	THIS	THIS	THIS	5.3E-08	THIS	THIS	1.3E-07	4.8E-07	THIS
	5.4E-08	5.7E-08	SECTOR	1.3E-07	2.8E-07	3.8E-07	5.7E-08	SECTOR	SECTOR	SECTOR	3.9E-08	SECTOR	SECTOR	1.0E-07	3.9E-07	SECTOR
	5.5E-08	5.8E-08		1.3E-07	2.8E-07	3.8E-07	5.8E-08				3.9E-08			1.0E-07	3.9E-07	
	7562.	4827.		2816.	2011.	1931.	6436.				7562.			5632.	3218.	
NEAREST PLANT BOUNDARY	5.8E-07	2.7E-07	2.2E-07	3.0E-07	3.5E-07	4.7E-07	1.1E-07	1.0E-07	3.2E-07	2.6E-07	2.3E-07	2.2E-07	1.7E-07	2.0E-07	7.2E-07	1.2E-06
	5.0E-07	2.3E-07	1.8E-07	2.5E-07	3.0E-07	4.0E-07	9.0E-08	7.8E-08	2.7E-07	2.2E-07	2.0E-07	1.8E-07	1.4E-07	1.6E-07	6.1E-07	1.0E-06
	4.7E-09	1.8E-09	8.1E-10	1.2E-09	1.7E-09	2.9E-09	6.8E-10	4.9E-10	1.5E-09	1.2E-09	1.2E-09	9.7E-10	7.7E-10	7.2E-10	3.6E-09	9.6E-09
	5.8E-07	2.7E-07	2.1E-07	2.9E-07	3.4E-07	4.6E-07	1.1E-07	9.9E-08	3.2E-07	2.6E-07	2.3E-07	2.2E-07	1.7E-07	2.0E-07	7.2E-07	1.2E-06
	5.8E-07	2.7E-07	2.2E-07	3.0E-07	3.5E-07	4.7E-07	1.1E-07	1.0E-07	3.2E-07	2.6E-07	2.3E-07	2.2E-07	1.7E-07	2.0E-07	7.2E-07	1.2E-06
	5.0E-07	2.3E-07	1.8E-07	2.5E-07	3.0E-07	4.0E-07	9.0E-08	7.7E-08	2.6E-07	2.2E-07	2.0E-07	1.8E-07	1.4E-07	1.6E-07	6.1E-07	1.0E-06
	5.0E-07	2.3E-07	1.8E-07	2.5E-07	3.0E-07	4.0E-07	9.0E-08	7.8E-08	2.7E-07	2.2E-07	2.0E-07	1.8E-07	1.4E-07	1.6E-07	6.1E-07	1.0E-06
	1754.	2076.	2365.	1931.	1931.	1686.	4827.	5310.	2767.	2478.	2414.	2880.	3379.	4183.	2349.	1733.

TOTAL OBS - 8760 TOTAL INV OBS - 311 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 9.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-65

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 05/31/74

ANNUAL AVERAGE (MIXED MODE) — WOLF CREEK GENERATING STATION
SPECIAL PTS. - T/R CORRECTED — KANSAS GAS AND ELECTRIC CO
ONSITE METEOROLOGY — BURLINGTON, KANSAS
DATE 23-NOV-81 TIME 08.49.08 — DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
EXCLUSION BOUNDARY	4.9E-07	2.4E-07	1.3E-07	1.5E-07	2.4E-07	3.5E-07	3.3E-07	3.4E-07	3.6E-07	2.1E-07	2.7E-07	2.7E-07	2.6E-07	4.4E-07	8.0E-07	1.1E-06
	4.4E-07	2.2E-07	1.2E-07	1.4E-07	2.2E-07	3.2E-07	3.0E-07	3.0E-07	3.2E-07	1.9E-07	2.5E-07	2.4E-07	2.3E-07	4.0E-07	7.9E-07	1.0E-06
	7.5E-09	3.6E-09	1.1E-09	1.3E-09	2.1E-09	4.7E-09	4.5E-09	3.8E-09	3.3E-09	1.6E-09	2.6E-09	2.0E-09	2.0E-09	2.8E-09	5.9E-09	1.1E-08
	4.9E-07	2.4E-07	1.3E-07	1.5E-07	2.4E-07	3.5E-07	3.3E-07	3.3E-07	3.6E-07	2.1E-07	2.7E-07	2.7E-07	2.5E-07	4.4E-07	8.8E-07	1.1E-06
	4.9E-07	2.4E-07	1.3E-07	1.5E-07	2.4E-07	3.5E-07	3.3E-07	3.4E-07	3.6E-07	2.1E-07	2.7E-07	2.7E-07	2.6E-07	4.4E-07	8.8E-07	1.1E-06
	4.4E-07	2.2E-07	1.4E-07	1.4E-07	2.2E-07	3.2E-07	3.0E-07	3.0E-07	3.2E-07	1.9E-07	2.5E-07	2.4E-07	2.3E-07	4.0E-07	7.9E-07	1.0E-06
	4.4E-07	2.2E-07	1.2E-07	1.4E-07	2.2E-07	3.2E-07	3.0E-07	3.0E-07	3.2E-07	1.9E-07	2.5E-07	2.4E-07	2.3E-07	4.0E-07	7.9E-07	1.0E-06
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
LOW POPULATION ZONE	9.3E-08	4.2E-08	2.6E-08	4.1E-08	5.1E-08	6.3E-08	7.0E-08	7.1E-08	7.8E-08	5.2E-08	5.2E-08	5.5E-08	5.1E-08	8.6E-08	1.7E-07	2.2E-07
	7.8E-08	3.6E-08	2.2E-08	3.5E-08	4.2E-08	5.3E-08	5.9E-08	6.0E-08	6.5E-08	4.5E-08	4.4E-08	4.7E-08	4.3E-08	7.1E-08	1.4E-07	1.8E-07
	9.7E-10	4.3E-10	1.6E-10	2.5E-10	3.3E-10	6.0E-10	7.0E-10	5.9E-10	5.5E-10	3.1E-10	3.6E-10	3.0E-10	3.1E-10	4.1E-10	8.7E-10	1.9E-09
	9.2E-08	4.2E-08	2.6E-08	4.0E-08	5.0E-08	6.2E-08	7.0E-08	7.1E-08	7.7E-08	5.1E-08	5.1E-08	5.5E-08	5.1E-08	8.6E-08	1.7E-07	2.2E-07
	9.3E-08	4.2E-08	2.6E-08	4.1E-08	5.1E-08	6.3E-08	7.0E-08	7.1E-08	7.8E-08	5.2E-08	5.2E-08	5.5E-08	5.1E-08	8.6E-08	1.7E-07	2.2E-07
	7.7E-08	3.6E-08	2.2E-08	3.4E-08	4.2E-08	5.2E-08	5.9E-08	6.0E-08	6.5E-08	4.4E-08	4.3E-08	4.7E-08	4.3E-08	7.0E-08	1.4E-07	1.8E-07
	7.8E-08	3.6E-08	2.2E-08	3.5E-08	4.2E-08	5.2E-08	5.9E-08	6.0E-08	6.5E-08	4.5E-08	4.4E-08	4.7E-08	4.3E-08	7.1E-08	1.4E-07	1.8E-07
	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.
NEAREST RESIDENT	7.2E-08	7.6E-08	3.7E-08	5.3E-08	8.7E-08	1.4E-07	5.5E-08	4.6E-08	7.8E-08	6.3E-08	4.7E-08	6.5E-08	4.3E-08	2.0E-07	2.1E-07	5.1E-07
	5.9E-08	6.6E-08	3.2E-08	4.6E-08	7.4E-08	1.2E-07	4.6E-08	3.8E-08	6.5E-08	5.4E-08	3.9E-08	5.5E-08	3.5E-08	1.7E-07	1.8E-07	4.4E-07
	6.9E-10	9.0E-10	2.6E-10	3.9E-10	6.4E-10	1.6E-09	5.1E-10	3.3E-10	5.5E-10	4.1E-10	3.1E-10	3.8E-10	2.3E-10	1.2E-09	5.4E-09	
	7.1E-08	7.6E-08	3.7E-08	5.3E-08	8.6E-08	1.4E-07	5.5E-08	4.6E-08	7.7E-08	6.2E-08	4.7E-08	6.4E-08	4.2E-08	2.0E-07	2.1E-07	5.1E-07
	7.2E-08	7.6E-08	3.7E-08	5.3E-08	8.6E-08	1.4E-07	5.5E-08	4.6E-08	7.8E-08	6.2E-08	4.7E-08	6.4E-08	4.2E-08	2.0E-07	2.1E-07	5.1E-07
	5.9E-08	6.6E-08	3.2E-08	4.6E-08	7.4E-08	1.2E-07	4.5E-08	3.8E-08	6.5E-08	5.4E-08	3.9E-08	5.5E-08	3.5E-08	1.7E-07	1.8E-07	4.4E-07
	5.9E-08	6.6E-08	3.2E-08	4.6E-08	7.4E-08	1.2E-07	4.5E-08	3.8E-08	6.5E-08	5.4E-08	3.9E-08	5.5E-08	3.5E-08	1.7E-07	1.8E-07	4.4E-07
	4988.	2816.	3138.	2816.	2735.	2333.	4827.	5632.	4023.	3379.	4344.	3540.	4666.	2092.	3540.	2172.
NEAREST VEGETABLE	5.9E-08	5.6E-08	3.0E-08	5.3E-08	8.7E-08	1.4E-07	5.1E-08	4.6E-08	8.2E-08	4.3E-08	4.7E-08	6.5E-08	4.3E-08	1.8E-07	2.0E-07	5.1E-07
	4.8E-08	4.9E-08	2.6E-08	4.6E-08	7.4E-08	1.2E-07	4.2E-08	3.8E-08	6.6E-08	3.7E-08	3.9E-08	5.5E-08	3.5E-08	1.5E-07	1.7E-07	4.4E-07
	5.2E-10	6.2E-10	2.0E-10	3.9E-10	6.4E-10	1.6E-09	4.7E-10	3.3E-10	1.8E-10	2.4E-10	3.1E-10	3.8E-10	2.3E-10	1.0E-09	1.0E-09	5.4E-09
	5.9E-08	5.6E-08	3.0E-08	5.3E-08	8.6E-08	1.4E-07	5.1E-08	4.6E-08	8.2E-08	4.3E-08	4.7E-08	6.4E-08	4.2E-08	1.8E-07	2.0E-07	5.1E-07
	5.9E-08	5.6E-08	3.0E-08	5.3E-08	8.6E-08	1.4E-07	5.1E-08	4.6E-08	8.2E-08	4.3E-08	4.7E-08	6.4E-08	4.2E-08	1.8E-07	2.0E-07	5.1E-07
	4.8E-08	4.8E-08	2.6E-08	4.6E-08	7.4E-08	1.2E-07	4.2E-08	3.8E-08	6.6E-08	3.7E-08	3.9E-08	5.5E-08	3.5E-08	1.5E-07	1.7E-07	4.4E-07
	4.8E-08	4.8E-08	2.6E-08	4.6E-08	7.4E-08	1.2E-07	4.2E-08	3.8E-08	6.6E-08	3.7E-08	3.9E-08	5.5E-08	3.5E-08	1.5E-07	1.7E-07	4.4E-07
	5792.	3379.	3540.	2816.	2735.	2333.	5149.	5632.	7401.	4827.	4344.	3540.	4666.	2253.	3620.	2172.

TOTAL OBS - 8760. TOTAL INV OBS - 311 CALMS UPPER LEVEL - 7.00 CALMS LOWER LEV - 0.61
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) — ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) — ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
NEAREST MEAT ANIMAL	4.4E-07	2.3E-07	1.3E-07	1.0E-08	1.3E-07	1.8E-07	5.1E-08	5.0E-08	5.2E-08	8.6E-08	9.5E-08	9.0E-08	4.1E-08	9.4E-08	2.3E-07	6.8E-07
	4.0E-07	2.1E-07	1.2E-07	7.1E-08	1.1E-07	1.5E-07	4.2E-08	4.1E-08	4.3E-08	7.5E-08	8.2E-08	7.8E-08	3.4E-08	7.8E-08	1.9E-07	6.0E-07
	6.6E-09	3.6E-09	1.1E-09	6.4E-10	1.1E-09	2.2E-09	4.7E-10	3.7E-10	3.3E-10	6.1E-10	7.8E-10	5.8E-10	2.2E-10	4.6E-10	1.5E-09	7.6E-09
	4.4E-07	2.3E-07	1.3E-07	8.0E-08	1.2E-07	1.8E-07	5.1E-08	5.0E-08	5.2E-08	8.5E-08	9.4E-08	9.0E-08	4.1E-08	9.4E-08	2.3E-07	6.6E-07
	4.4E-07	2.3E-07	1.3E-07	8.0E-08	1.2E-07	1.8E-07	5.1E-08	5.0E-08	5.2E-08	8.5E-08	9.5E-08	9.0E-08	4.1E-08	9.4E-08	2.3E-07	6.8E-07
	4.0E-07	2.1E-07	1.2E-07	7.0E-08	1.1E-07	1.5E-07	4.2E-08	4.1E-08	4.3E-08	7.5E-08	8.2E-08	7.8E-08	3.4E-08	7.8E-08	1.9E-07	6.0E-07
	4.0E-07	2.1E-07	1.2E-07	7.0E-08	1.1E-07	1.5E-07	4.2E-08	4.1E-08	4.3E-08	7.5E-08	8.2E-08	7.8E-08	3.4E-08	7.8E-08	1.9E-07	6.0E-07
	1297.	1297.	1297.	1931.	2011.	1931.	5149.	5310.	5310.	2574.	2414.	2735.	4827.	3701.	3218.	1770.
NEAREST DAIRY COW	4.4E-08	3.3E-08		5.3E-08	1.3E-07	1.8E-07	3.8E-08				2.6E-08			6.2E-08	2.3E-07	
	3.5E-08	2.8E-08		4.6E-08	1.1E-07	1.5E-07	3.1E-08				2.1E-08			5.0E-08	1.9E-07	
	3.4E-10	3.0E-10	NONE	3.9E-10	1.1E-09	2.2E-09	3.2E-10	NONE	NONE	NONE	1.3E-10	NONE	NONE	2.5E-10	1.3E-09	NONE
	4.3E-08	3.3E-08	IN	5.3E-08	1.3E-07	1.8E-07	3.8E-08	IN	IN	IN	2.5E-08	IN	IN	6.2E-08	2.3E-07	IN
	4.3E-08	3.3E-08	THIS	5.3E-08	1.3E-07	1.8E-07	3.8E-08	THIS	THIS	THIS	2.6E-08	THIS	THIS	6.2E-08	2.3E-07	THIS
	3.5E-08	2.8E-08	SECTOR	4.6E-08	1.1E-07	1.5E-07	3.1E-08	SECTOR	SECTOR	SECTOR	2.1E-08	SECTOR	SECTOR	4.9E-08	1.9E-07	SECTOR
	3.5E-08	2.8E-08		4.6E-08	1.1E-07	1.5E-07	3.1E-08				2.1E-08			5.0E-08	1.9E-07	
	7562.	4827.		2816.	2011.	1931.	6436.				7562.			5632.	3218.	
NEAREST PLANT BOUNDARY	2.8E-07	1.2E-07	5.7E-08	8.0E-08	1.3E-07	1.9E-07	5.5E-08	5.0E-08	1.2E-07	9.0E-08	9.5E-08	8.5E-08	6.3E-08	8.3E-08	3.5E-07	6.9E-07
	2.5E-07	1.0E-07	5.0E-08	7.1E-08	1.0E-07	1.7E-07	4.6E-08	4.1E-08	1.0E-07	7.9E-08	8.2E-08	7.3E-08	5.4E-08	6.8E-08	3.0E-07	6.1E-07
	4.0E-09	1.5E-09	4.3E-10	6.4E-10	1.1E-09	2.4E-09	5.1E-10	3.7E-10	9.4E-10	6.5E-10	7.8E-10	5.3E-10	4.0E-10	3.9E-10	2.1E-09	7.6E-09
	2.8E-07	1.2E-07	5.7E-08	8.0E-08	1.3E-07	1.9E-07	5.5E-08	5.0E-08	1.2E-07	9.0E-08	9.4E-08	8.4E-08	6.3E-08	8.3E-08	3.5E-07	6.9E-07
	2.8E-07	1.2E-07	5.7E-08	8.0E-08	1.3E-07	1.9E-07	5.5E-08	5.0E-08	1.2E-07	9.0E-08	9.5E-08	8.5E-08	6.3E-08	8.3E-08	3.5E-07	6.9E-07
	2.5E-07	1.0E-07	5.0E-08	7.0E-08	1.0E-07	1.7E-07	4.5E-08	4.1E-08	1.0E-07	7.9E-08	8.2E-08	7.3E-08	5.4E-08	6.8E-08	3.0E-07	6.1E-07
	2.5E-07	1.0E-07	5.0E-08	7.0E-08	1.0E-07	1.7E-07	4.5E-08	4.1E-08	1.0E-07	7.9E-08	8.2E-08	7.3E-08	5.4E-08	6.8E-08	3.0E-07	6.1E-07
	1754.	2076.	2365.	1931.	1931.	1866.	4827.	5310.	2767.	2478.	2414.	2880.	3379.	4193.	2349.	1738.

TOTAL OBS - 8760. TOTAL INV OBS - 311 CALMS UPPER LEVEL - 7.00 CALMS LOWER LEV - 0.61
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) — ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) — ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 8 - DISTANCE IN METERS

SNUPPS-WC

TABLE 2.3-66

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD : 06/01/74 TO 05/31/75

ANNUAL AVERAGE (GROUND)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08:12:45

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO
BURLINGTON, KANSAS
BAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
0.4 KM																
	6.4E-06	2.8E-06	2.4E-06	4.0E-06	3.6E-06	4.1E-06	4.8E-06	4.5E-06	4.5E-06	3.9E-06	4.5E-06	4.8E-06	4.1E-06	7.1E-06	1.0E-05	1.0E-05
	6.0E-06	2.7E-06	2.3E-06	3.8E-06	3.4E-06	3.9E-06	4.6E-06	4.2E-06	4.1E-06	3.7E-06	4.3E-06	4.5E-06	3.9E-06	6.7E-06	9.6E-06	9.5E-06
	5.8E-08	2.0E-08	1.3E-08	2.5E-08	2.2E-08	3.1E-08	4.1E-08	3.7E-08	3.4E-08	2.1E-08	2.4E-08	2.5E-08	2.8E-08	3.4E-08	5.6E-08	8.7E-08
	6.4E-06	2.8E-06	2.4E-06	4.0E-06	3.6E-06	4.1E-06	4.8E-06	4.5E-06	4.5E-06	3.9E-06	4.5E-06	4.8E-06	4.1E-06	7.1E-06	1.0E-05	1.0E-05
	6.4E-06	2.8E-06	2.4E-06	4.0E-06	3.6E-06	4.1E-06	4.8E-06	4.5E-06	4.5E-06	3.9E-06	4.5E-06	4.8E-06	4.1E-06	7.1E-06	1.0E-05	1.0E-05
	6.0E-06	2.7E-06	2.3E-06	3.8E-06	3.4E-06	3.9E-06	4.6E-06	4.2E-06	4.1E-06	3.7E-06	4.3E-06	4.5E-06	3.9E-06	6.7E-06	9.6E-06	9.5E-06
	6.0E-06	2.7E-06	2.3E-06	3.8E-06	3.4E-06	3.9E-06	4.6E-06	4.2E-06	4.1E-06	3.7E-06	4.3E-06	4.5E-06	3.9E-06	6.7E-06	9.6E-06	9.5E-06
	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.
0.8 KM																
	1.9E-06	8.8E-07	7.6E-07	1.2E-06	1.2E-06	1.3E-06	1.4E-06	1.5E-06	1.4E-06	1.2E-06	1.4E-06	1.7E-06	1.3E-06	2.3E-06	3.3E-06	3.1E-06
	1.7E-06	8.0E-07	7.0E-07	1.1E-06	1.1E-06	1.2E-06	1.3E-06	1.4E-06	1.3E-06	1.1E-06	1.3E-06	1.6E-06	1.2E-06	2.1E-06	3.0E-06	2.8E-06
	1.9E-08	6.9E-09	4.3E-09	8.2E-09	8.2E-09	1.1E-08	1.3E-08	1.3E-08	1.1E-08	6.9E-09	7.9E-09	9.5E-09	9.8E-09	1.2E-08	2.0E-08	2.9E-08
	1.9E-06	8.7E-07	7.6E-07	1.2E-06	1.2E-06	1.3E-06	1.4E-06	1.5E-06	1.4E-06	1.2E-06	1.4E-06	1.7E-06	1.3E-06	2.3E-06	3.3E-06	3.1E-06
	1.9E-06	8.8E-07	7.6E-07	1.2E-06	1.2E-06	1.3E-06	1.4E-06	1.5E-06	1.4E-06	1.2E-06	1.4E-06	1.7E-06	1.3E-06	2.3E-06	3.3E-06	3.1E-06
	1.7E-06	8.0E-07	6.9E-07	1.1E-06	1.1E-06	1.2E-06	1.3E-06	1.4E-06	1.3E-06	1.1E-06	1.3E-06	1.6E-06	1.2E-06	2.1E-06	3.0E-06	2.8E-06
	1.7E-06	8.0E-07	6.9E-07	1.1E-06	1.1E-06	1.2E-06	1.3E-06	1.4E-06	1.3E-06	1.1E-06	1.3E-06	1.6E-06	1.2E-06	2.1E-06	3.0E-06	2.8E-06
	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
1.2 KM																
	9.5E-07	4.5E-07	3.8E-07	5.6E-07	6.4E-07	6.8E-07	7.1E-07	7.7E-07	7.3E-07	6.2E-07	7.0E-07	9.5E-07	6.5E-07	1.2E-06	1.7E-06	1.6E-06
	8.5E-07	4.0E-07	3.4E-07	5.0E-07	5.7E-07	6.1E-07	6.3E-07	6.8E-07	6.5E-07	5.5E-07	6.3E-07	8.4E-07	5.8E-07	1.1E-06	1.5E-06	1.4E-06
	9.6E-09	3.5E-09	2.2E-09	3.8E-09	4.2E-09	5.4E-09	6.4E-09	6.6E-09	5.7E-09	3.5E-09	3.9E-09	5.2E-09	4.7E-09	9.3E-09	9.9E-09	1.4E-08
	9.5E-07	4.5E-07	3.8E-07	5.6E-07	6.4E-07	6.8E-07	7.1E-07	7.6E-07	7.3E-07	6.2E-07	7.0E-07	9.4E-07	6.5E-07	1.2E-06	1.7E-06	1.6E-06
	9.5E-07	4.5E-07	3.8E-07	5.6E-07	6.4E-07	6.8E-07	7.1E-07	7.7E-07	7.3E-07	6.2E-07	7.0E-07	9.5E-07	6.5E-07	1.2E-06	1.7E-06	1.6E-06
	8.5E-07	4.0E-07	3.4E-07	5.0E-07	5.7E-07	6.1E-07	6.3E-07	6.8E-07	6.5E-07	5.5E-07	6.3E-07	8.4E-07	5.8E-07	1.1E-06	1.5E-06	1.4E-06
	8.5E-07	4.0E-07	3.4E-07	5.0E-07	5.7E-07	6.1E-07	6.3E-07	6.8E-07	6.5E-07	5.5E-07	6.3E-07	8.4E-07	5.8E-07	1.1E-06	1.5E-06	1.4E-06
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
1.6 KM																
	6.5E-07	3.1E-07	2.6E-07	3.4E-07	4.1E-07	4.6E-07	4.7E-07	4.8E-07	4.8E-07	4.0E-07	4.4E-07	5.9E-07	4.3E-07	8.0E-07	1.1E-06	1.1E-06
	5.6E-07	2.7E-07	2.3E-07	3.0E-07	3.6E-07	4.0E-07	4.1E-07	4.2E-07	4.2E-07	3.5E-07	3.9E-07	5.1E-07	3.8E-07	7.0E-07	9.7E-07	9.3E-07
	6.3E-09	2.3E-09	1.4E-09	2.3E-09	2.6E-09	3.5E-09	4.1E-09	4.0E-09	3.6E-09	2.2E-09	2.4E-09	3.1E-09	3.1E-09	4.0E-09	6.4E-09	9.3E-09
	6.4E-07	3.1E-07	2.6E-07	3.4E-07	4.1E-07	4.6E-07	4.7E-07	4.8E-07	4.8E-07	4.0E-07	4.4E-07	5.9E-07	4.3E-07	8.0E-07	1.1E-06	1.1E-06
	6.4E-07	3.1E-07	2.6E-07	3.4E-07	4.1E-07	4.6E-07	4.7E-07	4.8E-07	4.8E-07	4.0E-07	4.4E-07	5.9E-07	4.3E-07	8.0E-07	1.1E-06	1.1E-06
	5.6E-07	2.7E-07	2.3E-07	3.0E-07	3.6E-07	4.0E-07	4.1E-07	4.2E-07	4.2E-07	3.5E-07	3.9E-07	5.1E-07	3.8E-07	6.9E-07	9.7E-07	9.3E-07
	5.6E-07	2.7E-07	2.3E-07	3.0E-07	3.6E-07	4.0E-07	4.1E-07	4.2E-07	4.2E-07	3.5E-07	3.9E-07	5.1E-07	3.8E-07	7.0E-07	9.7E-07	9.3E-07
	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
2.4 KM																
	3.8E-07	1.8E-07	1.5E-07	1.8E-07	2.2E-07	2.6E-07	2.6E-07	2.5E-07	2.6E-07	2.2E-07	2.4E-07	3.1E-07	2.3E-07	4.3E-07	6.0E-07	5.6E-07
	3.2E-07	1.6E-07	1.3E-07	1.5E-07	1.9E-07	2.2E-07	2.2E-07	2.1E-07	2.2E-07	1.9E-07	2.0E-07	2.6E-07	1.9E-07	3.6E-07	5.0E-07	4.7E-07
	3.4E-09	1.2E-09	7.7E-10	1.1E-09	1.3E-09	1.8E-09	2.1E-09	1.9E-09	1.9E-09	1.1E-09	1.2E-09	1.5E-09	1.5E-09	2.0E-09	3.1E-09	4.5E-09
	3.8E-07	1.8E-07	1.5E-07	1.8E-07	2.2E-07	2.5E-07	2.6E-07	2.5E-07	2.6E-07	2.2E-07	2.4E-07	3.1E-07	2.3E-07	4.3E-07	5.9E-07	5.6E-07
	3.8E-07	1.8E-07	1.5E-07	1.8E-07	2.2E-07	2.6E-07	2.6E-07	2.5E-07	2.6E-07	2.2E-07	2.4E-07	3.1E-07	2.3E-07	4.3E-07	5.9E-07	5.6E-07
	3.2E-07	1.6E-07	1.3E-07	1.5E-07	1.9E-07	2.2E-07	2.2E-07	2.1E-07	2.2E-07	1.9E-07	2.0E-07	2.6E-07	1.9E-07	3.6E-07	5.0E-07	4.7E-07
	3.2E-07	1.6E-07	1.3E-07	1.5E-07	1.9E-07	2.2E-07	2.2E-07	2.1E-07	2.2E-07	1.9E-07	2.0E-07	2.6E-07	1.9E-07	3.6E-07	5.0E-07	4.7E-07
	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.
3.2 KM																
	2.4E-07	1.2E-07	9.1E-08	1.2E-07	1.5E-07	1.6E-07	1.8E-07	1.7E-07	1.8E-07	1.4E-07	1.6E-07	1.9E-07	1.7E-07	2.9E-07	4.1E-07	3.7E-07
	2.0E-07	1.0E-07	7.5E-08	9.5E-08	1.3E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.1E-07	1.3E-07	1.6E-07	1.4E-07	2.4E-07	3.4E-07	3.0E-07
	2.0E-09	7.7E-10	4.4E-10	6.5E-10	8.5E-10	1.1E-09	1.4E-09	1.2E-09	1.2E-09	6.7E-10	7.7E-10	8.8E-10	1.0E-09	1.3E-09	2.0E-09	2.8E-09
	2.4E-07	1.2E-07	9.1E-08	1.1E-07	1.5E-07	1.6E-07	1.7E-07	1.6E-07	1.7E-07	1.4E-07	1.6E-07	1.9E-07	1.7E-07	2.9E-07	4.1E-07	3.7E-07
	2.4E-07	1.2E-07	9.1E-08	1.1E-07	1.5E-07	1.6E-07	1.7E-07	1.6E-07	1.7E-07	1.4E-07	1.6E-07	1.9E-07	1.7E-07	2.9E-07	4.1E-07	3.7E-07
	2.0E-07	1.0E-07	7.5E-08	9.4E-08	1.2E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.1E-07	1.3E-07	1.6E-07	1.4E-07	2.4E-07	3.4E-07	3.0E-07
	2.0E-07	1.0E-07	7.5E-08	9.4E-08	1.2E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.1E-07	1.3E-07	1.6E-07	1.4E-07	2.4E-07	3.4E-07	3.0E-07
	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.
4.0 KM																
	1.7E-07	8.3E-08	6.3E-08	8.4E-08	1.1E-07	1.2E-07	1.4E-07	1.2E-07	1.3E-07	1.0E-07	1.2E-07	1.3E-07	1.3E-07	2.0E-07	3.0E-07	2.7E-07
	1.4E-07	6.7E-08	5.0E-08	6.7E-08	9.2E-08	9.4E-08	1.1E-07	1.0E-07	1.1E-07	8.2E-08	1.0E-07	1.0E-07	1.0E-07	1.6E-07	2.4E-07	2.2E-07
	1.3E-09	4.9E-10	2.8E-10	4.4E-10	5.9E-10	7.9E-10	9.9E-10	8.6E-10	8.4E-10	4.6E-10	5.5E-10	5.6E-10	7.2E-10	1.2E-10	1.4E-09	1.9E-09
	1.7E-07	8.2E-08	6.2E-08	8.3E-08	1.1E-07	1.2E-07	1.3E-07	1.2E-07	1.3E-07	1.0E-07	1.2E-07	1.3E-07	1.3E-07	2.0E-07	3.0E-07	2.7E-07
	1.7E-07	8.3E-08	6.3E-08	8.3E-08	1.1E-07	1.2E-07	1.3E-07	1.2E-07	1.3E-07	1.0E-07	1.2E-07	1.3E-07	1.3E-07	2.0E-07	3.0E-07	2.7E-07
	1.4E-07	6.6E-08	5.0E-08	6.7E-08	9.1E-08	9.3E-08	1.1E-07	1.0E-07	1.1E-07	8.2E-08	9.9E-08	1.0E-07	1.0E-07	1.6E-07	2.4E-07	2.1E-07
	1.4E-07	6.7E-08	5.0E-08	6.7E-08	9.2E-08	9.4E-08	1.1E-07	1.0E-07	1.1E-07	8.2E-08	1.0E-07	1.0E-07	1.0E-07	1.6E-07	2.4E-07	2.2E-07
	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.
4.8 KM																
	1.4E-07	6.3E-08	4.5E-08	5.7E-08	8.5E-08	8.6E-08	1.0E-07	9.9E-08	9.9E-08	8.0E-08	9.6E-08	1.1E-07	9.7E-08	1.7E-07	2.4E-07	2.1E-07
	1.1E-07	4.9E-08	3.6E-08	4.5E-08	6.7E-08	6.8E-08	8.0E-08	7.8E-08	7.8E-08	6.3E-08	7.6E-08	8.5E-08	7.7E-08	1.3E-07	1.9E-07	1.7E-07
	9.9E-10	3.5E-10	1.9E-10	2.8E-10	4.2E-10	5.2E-10	7.0E-10	6.4E-10	5.9E-10	3.4E-10	4.0E-10	4.3E-10	5.2E-10	6.3E-10	1.0E-09	1.4E-09
	1.4E-07	6.2E-08	4.5E-08	5.7E-08	8.4E-08	8.5E-08	1.0E-07	9.8E-08	9.9E-08	7.9E-08	9.5E-08	1.1E-07	9.7E-08	1.6E-07	2.4E-07	2.1E-07
	1.4E-07	6.2E-08	4.5E-08	5.7E-08	8.5E-08	8.6E-08	1.0E-07	9.8E-08	9.9E-08	8.0E-08	9.6E-08	1.1E-07	9.7E-08	1.7E-07	2.4E-07	2.1E-07
	1.1E-07	4.9E-08	3.5E-08	4.5E-08	6.7E-08	6.7E-08	7.9E-08	7.7E-08	7.8E-08	6.3E-08	7.5E-08	8.4E-08	7.6E-08	1.3E-07	1.9E-07	1.7E-07
	1.1E-07	4.9E-08	3.5E-08	4.5E-08	6.7E-08	6.8E-08	8.0E-08	7.8E-08	7.8E-08	6.3E-08	7.5E-08	8.5E-08	7.7E-08	1.3E-07	1.9E-07	1.7E-07
	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

Rev. 8
2/82

TABLE 2.3-66 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/74 TO 05/31/75

ANNUAL AVERAGE (GROUND)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08:12:45

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
5.6 KM																
1	2E-07	5.0E-08	3.4E-08	4.2E-08	6.8E-08	6.3E-08	8.1E-08	8.5E-08	8.5E-08	6.4E-08	7.8E-08	8.9E-08	8.0E-08	1.4E-07	2.0E-07	1.7E-07
9	0E-08	3.8E-08	2.7E-08	3.2E-08	5.3E-08	4.9E-08	6.3E-08	6.6E-08	6.6E-08	5.1E-08	6.0E-08	6.9E-08	6.2E-08	1.1E-07	1.5E-07	1.3E-07
8	0E-10	2.6E-10	1.4E-10	2.0E-10	3.2E-10	3.6E-10	5.3E-10	5.3E-10	4.8E-10	2.7E-10	3.1E-10	3.4E-10	4.0E-10	4.9E-10	7.8E-10	1.1E-09
1	2E-07	4.9E-08	3.4E-08	4.1E-08	6.8E-08	6.2E-08	8.1E-08	8.4E-08	8.5E-08	6.4E-08	7.7E-08	8.8E-08	7.9E-08	1.4E-07	1.9E-07	1.7E-07
1	2E-07	4.9E-08	3.4E-08	4.2E-08	6.8E-08	6.3E-08	8.1E-08	8.5E-08	8.5E-08	6.4E-08	7.8E-08	8.8E-08	7.9E-08	1.4E-07	2.0E-07	1.7E-07
9	7E-08	3.8E-08	2.6E-08	3.2E-08	5.2E-08	4.8E-08	6.2E-08	6.5E-08	6.5E-08	5.1E-08	6.0E-08	6.8E-08	6.1E-08	1.1E-07	1.5E-07	1.3E-07
9	0E-08	3.8E-08	2.6E-08	3.2E-08	5.2E-08	4.8E-08	6.2E-08	6.5E-08	6.5E-08	5.1E-08	6.0E-08	6.8E-08	6.1E-08	1.1E-07	1.5E-07	1.3E-07
	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.
6.4 KM																
9	4E-08	4.1E-08	2.7E-08	3.5E-08	5.8E-08	5.3E-08	6.7E-08	7.1E-08	6.6E-08	5.5E-08	6.6E-08	7.7E-08	6.6E-08	1.1E-07	1.6E-07	1.4E-07
7	1E-08	3.1E-08	2.0E-08	2.7E-08	4.4E-08	4.0E-08	5.1E-08	5.4E-08	5.0E-08	4.2E-08	5.0E-08	5.8E-08	5.0E-08	8.7E-08	1.2E-07	1.1E-07
6	1E-10	2.1E-10	1.0E-10	1.6E-10	2.6E-10	2.8E-10	4.2E-10	4.2E-10	3.6E-10	2.1E-10	2.5E-10	2.8E-10	3.2E-10	3.9E-10	6.1E-10	8.7E-10
9	0E-08	4.1E-08	2.6E-08	3.5E-08	5.7E-08	5.2E-08	6.6E-08	7.0E-08	6.5E-08	5.4E-08	6.5E-08	7.6E-08	6.6E-08	1.1E-07	1.6E-07	1.4E-07
9	0E-08	4.1E-08	2.7E-08	3.5E-08	5.8E-08	5.2E-08	6.6E-08	7.0E-08	6.6E-08	5.5E-08	6.6E-08	7.6E-08	6.6E-08	1.1E-07	1.6E-07	1.4E-07
7	1E-08	3.1E-08	2.0E-08	2.6E-08	4.4E-08	4.0E-08	5.1E-08	5.3E-08	5.0E-08	4.1E-08	5.0E-08	5.8E-08	5.0E-08	8.6E-08	1.2E-07	1.1E-07
7	1E-08	3.1E-08	2.0E-08	2.7E-08	4.4E-08	4.0E-08	5.1E-08	5.4E-08	5.0E-08	4.2E-08	5.0E-08	5.8E-08	5.0E-08	8.7E-08	1.2E-07	1.1E-07
	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.
7.2 KM																
8	0E-08	3.5E-08	2.1E-08	3.0E-08	4.9E-08	4.5E-08	5.7E-08	6.1E-08	5.3E-08	4.6E-08	5.7E-08	6.6E-08	5.7E-08	9.2E-08	1.4E-07	1.2E-07
6	0E-08	2.6E-08	1.6E-08	2.3E-08	3.7E-08	3.4E-08	4.2E-08	4.5E-08	4.0E-08	3.5E-08	4.3E-08	4.9E-08	4.3E-08	6.9E-08	1.1E-07	9.9E-08
5	0E-10	1.7E-10	7.8E-11	1.3E-10	2.1E-10	2.3E-10	3.4E-10	3.4E-10	2.8E-10	1.7E-10	2.1E-10	2.3E-10	2.6E-10	3.0E-10	5.2E-10	6.8E-10
7	9E-08	3.4E-08	2.1E-08	3.0E-08	4.9E-08	4.4E-08	5.6E-08	6.0E-08	5.3E-08	4.6E-08	5.6E-08	6.5E-08	5.6E-08	9.1E-08	1.4E-07	1.2E-07
7	9E-08	3.5E-08	2.1E-08	3.0E-08	4.9E-08	4.5E-08	5.6E-08	6.0E-08	5.3E-08	4.6E-08	5.7E-08	6.6E-08	5.7E-08	9.2E-08	1.4E-07	1.2E-07
5	9E-09	2.6E-08	1.6E-08	2.2E-08	3.6E-08	3.3E-08	4.2E-08	4.5E-08	3.9E-08	3.4E-08	4.2E-08	4.9E-08	4.2E-08	6.8E-08	1.1E-07	9.8E-08
6	0E-08	2.6E-08	1.6E-08	2.3E-08	3.7E-08	3.4E-08	4.2E-08	4.5E-08	4.0E-08	3.4E-08	4.3E-08	4.9E-08	4.3E-08	6.9E-08	1.1E-07	9.8E-08
	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.
8.0 KM																
6	9E-08	3.1E-08	1.7E-08	2.6E-08	4.4E-08	4.0E-08	4.9E-08	5.3E-08	4.5E-08	4.0E-08	5.0E-08	5.8E-08	4.9E-08	7.9E-08	1.2E-07	1.0E-07
5	1E-08	2.3E-08	1.3E-08	1.9E-08	3.2E-08	2.9E-08	3.6E-08	3.9E-08	3.3E-08	3.0E-08	3.7E-08	4.3E-08	3.6E-08	5.9E-08	9.2E-08	7.4E-08
4	1E-10	1.4E-10	6.1E-11	1.1E-10	1.8E-10	2.0E-10	2.8E-10	2.9E-10	2.2E-10	1.4E-10	1.7E-10	1.9E-10	2.2E-10	2.4E-10	4.3E-10	5.6E-10
6	8E-08	3.0E-08	1.7E-08	2.6E-08	4.3E-08	3.9E-08	4.8E-08	5.2E-08	4.4E-08	4.0E-08	5.0E-08	5.7E-08	4.9E-08	7.8E-08	1.2E-07	9.9E-08
6	9E-08	3.0E-08	1.7E-08	2.6E-08	4.3E-08	3.9E-08	4.9E-08	5.3E-08	4.5E-08	4.0E-08	5.0E-08	5.8E-08	4.9E-08	7.9E-08	1.2E-07	1.0E-07
5	0E-08	2.2E-08	1.3E-08	1.9E-08	3.2E-08	2.9E-08	3.6E-08	3.9E-08	3.3E-08	2.9E-08	3.7E-08	4.2E-08	3.6E-08	5.8E-08	9.1E-08	7.3E-08
5	1E-08	2.3E-08	1.3E-08	1.9E-08	3.2E-08	2.9E-08	3.6E-08	3.9E-08	3.3E-08	3.0E-08	3.7E-08	4.3E-08	3.6E-08	5.9E-08	9.2E-08	7.4E-08
	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.

TOTAL OBS - 8760. TOTAL INV OBS - 166 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 0.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
12.0 KM																
3	5E-08	1.7E-08	9.7E-09	1.3E-08	2.5E-08	2.2E-08	2.6E-08	3.1E-08	2.8E-08	2.0E-08	2.9E-08	3.3E-08	2.8E-08	4.5E-08	6.9E-08	6.1E-08
2	5E-08	1.2E-08	6.6E-09	9.2E-09	1.7E-08	1.5E-08	1.8E-08	2.1E-08	2.0E-08	1.4E-08	2.0E-08	2.3E-08	2.0E-08	3.2E-08	4.8E-08	4.3E-08
1	8E-10	6.9E-11	2.9E-11	4.7E-11	8.7E-11	9.4E-11	1.3E-10	1.4E-10	1.2E-10	6.1E-11	8.5E-11	9.4E-11	1.1E-10	1.2E-10	2.0E-10	2.9E-10
3	5E-08	1.7E-08	9.5E-09	1.3E-08	2.4E-08	2.2E-08	2.6E-08	3.0E-08	2.7E-08	2.0E-08	2.8E-08	3.2E-08	2.8E-08	4.4E-08	6.7E-08	6.0E-08
3	5E-08	1.7E-08	9.6E-09	1.3E-08	2.5E-08	2.2E-08	2.6E-08	3.0E-08	2.8E-08	2.0E-08	2.9E-08	3.3E-08	2.8E-08	4.5E-08	6.8E-08	6.1E-08
2	4E-08	1.2E-08	6.6E-09	9.1E-09	1.7E-08	1.5E-08	1.8E-08	2.1E-08	1.9E-08	1.4E-08	2.0E-08	2.3E-08	1.9E-08	3.1E-08	4.7E-08	4.2E-08
2	5E-08	1.2E-08	6.7E-09	9.2E-09	1.7E-08	1.5E-08	1.8E-08	2.1E-08	1.9E-08	1.4E-08	2.0E-08	2.3E-08	2.0E-08	3.1E-08	4.8E-08	4.2E-08
	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.
16.0 KM																
2	2E-08	1.1E-08	6.2E-09	8.4E-09	1.7E-08	1.5E-08	1.7E-08	2.1E-08	2.0E-08	1.3E-08	1.9E-08	2.1E-08	1.9E-08	3.0E-08	4.5E-08	4.3E-08
1	5E-08	7.5E-09	4.1E-09	5.6E-09	1.1E-08	1.0E-08	1.1E-08	1.4E-08	1.4E-08	8.5E-09	1.3E-08	1.4E-08	1.2E-08	2.0E-08	3.0E-08	2.9E-08
1	0E-10	3.9E-11	1.6E-11	2.6E-11	5.1E-11	5.6E-11	7.5E-11	8.8E-11	7.7E-11	3.4E-11	4.9E-11	5.3E-11	6.2E-11	8.8E-11	1.1E-10	1.8E-10
2	2E-08	1.1E-08	6.0E-09	8.2E-09	1.6E-08	1.5E-08	1.7E-08	2.1E-08	2.0E-08	1.3E-08	1.9E-08	2.1E-08	1.9E-08	2.9E-08	4.4E-08	4.2E-08
2	2E-08	1.1E-08	6.1E-09	8.4E-09	1.7E-08	1.5E-08	1.7E-08	2.1E-08	2.0E-08	1.3E-08	1.9E-08	2.1E-08	1.9E-08	3.0E-08	4.5E-08	4.3E-08
1	4E-08	7.3E-09	4.0E-09	5.5E-09	1.1E-08	9.7E-09	1.1E-08	1.4E-08	1.3E-08	8.3E-09	1.2E-08	1.4E-08	1.2E-08	2.0E-08	2.9E-08	2.8E-08
1	5E-08	7.5E-09	4.1E-09	5.4E-09	1.1E-08	9.9E-09	1.1E-08	1.4E-08	1.3E-08	8.4E-09	1.3E-08	1.4E-08	1.2E-08	2.0E-08	3.0E-08	2.9E-08
	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.
24.0 KM																
1	2E-08	6.4E-09	3.5E-09	4.6E-09	8.5E-09	8.2E-09	9.4E-09	9.8E-09	1.1E-08	7.0E-09	1.0E-08	1.1E-08	1.1E-08	1.6E-08	2.8E-08	2.5E-08
7	6E-09	4.0E-09	2.2E-09	2.8E-09	5.2E-09	5.1E-09	5.8E-09	6.0E-09	6.6E-09	4.3E-09	6.4E-09	7.0E-09	6.5E-09	1.1E-08	1.7E-08	1.5E-08
4	5E-11	1.8E-11	7.4E-12	1.2E-11	2.1E-11	2.5E-11	3.0E-11	3.0E-11	3.0E-11	1.5E-11	2.2E-11	2.2E-11	2.8E-11	3.0E-11	5.0E-11	8.6E-11
1	2E-08	6.2E-09	3.3E-09	4.4E-09	8.0E-09	7.9E-09	9.0E-09	9.5E-09	1.0E-08	6.7E-09	1.0E-08	1.0E-08	1.0E-08	1.7E-08	2.7E-08	2.4E-08
1	2E-08	6.4E-09	3.4E-09	4.5E-09	8.3E-09	8.1E-09	9.3E-09	9.7E-09	1.1E-08	6.9E-09	1.0E-08	1.1E-08	1.0E-08	1.6E-08	2.7E-08	2.5E-08
7	3E-09	3.8E-09	2.0E-09	2.7E-09	4.9E-09	4.9E-09	5.5E-09	5.8E-09	6.3E-09	4.1E-09	6.1E-09	6.6E-09	6.1E-09	1.0E-08	1.6E-08	1.5E-08
7	5E-09	3.9E-09	2.1E-09	2.8E-09	5.1E-09	5.0E-09	5.7E-09	6.0E-09	6.5E-09	4.3E-09	6.3E-09	6.8E-09	6.4E-09	1.1E-08	1.7E-08	1.5E-08
	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.
32.0 KM																
8	5E-09	4.3E-09	2.3E-09	3.0E-09	5.1E-09	5.3E-09	6.4E-09	6.0E-09	7.2E-09	4.9E-09	6.7E-09	7.4E-09	7.0E-09	1.2E-08	1.9E-08	1.7E-08
4	9E-09	2.5E-09	1.3E-09	1.7E-09	2.9E-09	3.1E-09	3.7E-09	3.5E-09	4.1E-09	2.9E-09	3.9E-09	4.3E-09	4.0E-09	6.7E-09	1.1E-08	9.6E-09
2	6E-11	1.0E-11	4.2E-12	6.7E-12	1.1E-11	1.4E-11	1.9E-11	1.7E-11	1.9E-11	9.2E-12	1.2E-11	1.3E-11	1.6E-11	1.8E-11	3.4E-11	5.0E-11
8	0E-09	4.0E-09	2.2E-09	2.9E-09	4.7E-09	5.0E-09	6.0E-09	5.7E-09	6.8E-09	4.7E-09	6.4E-09	7.0E-09	6.6E-09	1.1E-08	1.8E-08	1.6E-08
8	3E-09	4.2E-09	2.3E-09	3.0E-09	5.0E-09	5.2E-09	6.3E-09	5.9E-09	7.1E-09	4.8E-09	6.6E-09	7.2E-09	6.9E-09	1.1E-08	1.8E-08	1.7E-08
4	6E-09	2.3E-09	1.2E-09	1.7E-09	2.7E-09	2.9E-09	3.5E-09	3.3E-09	3.9E-09	2.7E-09	3.7E-09	4.0E-09	3.8E-09	6.3E-09	1.0E-08	9.4E-09
4	6E-09	2.4E-09	1.3E-09	1.7E-09	2.9E-09	3.0E-09	3.6E-09	3.4E-09	4.1E-09	2.8E-09	3.8E-09	4.2E-09	4.0E-09	6.6E-09	1.1E-08	9.7E-09
	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.

TOTAL OBS - 8760. TOTAL INV OBS - 166 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 0.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-66 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/74 TO 05/31/75

ANNUAL AVERAGE (GROUND)
STANDARD PTS. - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08 12 45

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
40.0 KM																
	6.3E-09	2.5E-09	1.4E-09	2.3E-09	3.9E-09	3.5E-09	4.2E-09	4.5E-09	5.1E-09	3.3E-09	4.6E-09	5.0E-09	4.8E-09	8.2E-09	1.2E-08	1.3E-08
	3.5E-09	1.4E-09	7.5E-10	1.3E-09	2.1E-09	1.9E-09	2.3E-09	2.4E-09	2.8E-09	1.8E-09	2.5E-09	2.7E-09	2.7E-09	4.5E-09	6.7E-09	7.0E-09
	1.7E-11	5.3E-12	2.2E-12	4.6E-12	7.3E-12	8.1E-12	1.1E-11	1.1E-11	1.2E-11	5.4E-12	7.3E-12	7.7E-12	9.8E-12	1.1E-11	1.9E-11	5.3E-11
	5.9E-09	2.3E-09	1.3E-09	2.2E-09	3.6E-09	3.3E-09	4.0E-09	4.2E-09	4.8E-09	3.1E-09	4.3E-09	4.7E-09	4.6E-09	7.7E-09	1.1E-08	1.2E-08
	6.2E-09	2.4E-09	1.3E-09	2.3E-09	3.8E-09	3.4E-09	4.2E-09	4.4E-09	5.0E-09	3.2E-09	4.5E-09	4.9E-09	4.8E-09	8.0E-09	1.2E-08	1.3E-08
	3.3E-09	1.3E-09	6.9E-10	1.2E-09	2.0E-09	1.8E-09	2.2E-09	2.3E-09	2.6E-09	1.7E-09	2.3E-09	2.6E-09	2.5E-09	4.2E-09	6.3E-09	6.6E-09
	3.4E-09	1.3E-09	7.4E-10	1.3E-09	2.1E-09	1.9E-09	2.3E-09	2.4E-09	2.8E-09	1.8E-09	2.5E-09	2.7E-09	2.6E-09	4.4E-09	6.6E-09	6.9E-09
	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.
48.0 KM																
	5.1E-09	1.6E-09	9.1E-10	1.9E-09	3.1E-09	2.5E-09	3.0E-09	3.6E-09	3.9E-09	2.3E-09	3.3E-09	3.6E-09	3.6E-09	6.0E-09	8.1E-09	9.7E-09
	2.6E-09	8.5E-10	4.7E-10	9.9E-10	1.6E-09	1.3E-09	1.6E-09	1.9E-09	2.0E-09	1.2E-09	1.7E-09	1.9E-09	1.9E-09	3.1E-09	4.2E-09	5.1E-09
	1.2E-11	3.1E-12	1.3E-12	3.3E-12	5.3E-12	5.2E-12	7.2E-12	8.2E-12	8.2E-12	3.4E-12	4.7E-12	5.0E-12	6.6E-12	7.3E-12	1.1E-11	2.3E-11
	4.7E-09	1.5E-09	8.2E-10	1.7E-09	2.8E-09	2.3E-09	2.8E-09	3.3E-09	3.6E-09	2.2E-09	3.0E-09	3.3E-09	3.4E-09	5.5E-09	7.5E-09	9.0E-09
	4.9E-09	1.6E-09	8.8E-10	1.9E-09	3.0E-09	2.5E-09	3.0E-09	3.5E-09	3.8E-09	2.3E-09	3.2E-09	3.5E-09	3.6E-09	5.9E-09	7.9E-09	9.5E-09
	2.4E-09	7.8E-10	4.3E-10	9.2E-10	1.5E-09	1.2E-09	1.5E-09	1.7E-09	1.9E-09	1.1E-09	1.6E-09	1.8E-09	1.8E-09	2.9E-09	3.9E-09	4.7E-09
	2.6E-09	8.3E-10	4.6E-10	9.7E-10	1.6E-09	1.3E-09	1.5E-09	1.8E-09	2.0E-09	1.2E-09	1.7E-09	1.9E-09	1.9E-09	3.1E-09	4.2E-09	5.0E-09
	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.
56.0 KM																
	4.1E-09	1.1E-09	6.3E-10	1.6E-09	2.6E-09	1.9E-09	2.3E-09	2.9E-09	3.1E-09	1.8E-09	2.5E-09	2.7E-09	2.8E-09	4.6E-09	5.7E-09	7.6E-09
	2.1E-09	5.7E-10	3.2E-10	7.9E-10	1.3E-09	9.5E-10	1.2E-09	1.4E-09	1.6E-09	9.0E-10	1.2E-09	1.4E-09	1.4E-09	2.3E-09	2.9E-09	3.9E-09
	9.2E-12	2.0E-12	8.1E-13	2.5E-12	3.9E-12	3.6E-12	5.0E-12	6.0E-12	6.0E-12	2.4E-12	3.2E-12	3.4E-12	4.6E-12	5.1E-12	7.2E-12	1.6E-11
	3.8E-09	1.0E-09	5.6E-10	1.4E-09	2.3E-09	1.7E-09	2.1E-09	2.7E-09	2.9E-09	1.6E-09	2.3E-09	2.5E-09	2.6E-09	4.2E-09	5.2E-09	7.0E-09
	4.0E-09	1.1E-09	6.1E-10	1.5E-09	2.5E-09	1.8E-09	2.3E-09	2.8E-09	3.1E-09	1.7E-09	2.4E-09	2.6E-09	2.8E-09	4.5E-09	5.5E-09	7.4E-09
	1.9E-09	5.2E-10	2.8E-10	7.2E-10	1.1E-09	8.6E-10	1.1E-09	1.3E-09	1.4E-09	8.1E-10	1.1E-09	1.2E-09	1.3E-09	2.1E-09	2.6E-09	3.5E-09
	2.0E-09	5.6E-10	3.1E-10	7.7E-10	1.3E-09	9.3E-10	1.1E-09	1.4E-09	1.5E-09	8.7E-10	1.2E-09	1.3E-09	1.4E-09	2.3E-09	2.8E-09	3.7E-09
	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.
64.0 KM																
	3.2E-09	8.4E-10	4.9E-10	1.0E-09	1.8E-09	1.4E-09	1.8E-09	2.2E-09	2.4E-09	1.4E-09	1.9E-09	2.2E-09	2.4E-09	3.7E-09	4.6E-09	5.9E-09
	1.5E-09	4.1E-10	2.4E-10	5.0E-10	8.8E-10	6.6E-10	8.7E-10	1.1E-09	1.2E-09	6.7E-10	9.0E-10	1.1E-09	1.1E-09	1.8E-09	2.2E-09	2.9E-09
	6.4E-12	1.3E-12	5.6E-13	1.5E-12	2.5E-12	2.4E-12	3.6E-12	4.3E-12	4.2E-12	1.7E-12	2.2E-12	2.5E-12	3.6E-12	3.7E-12	5.3E-12	1.2E-11
	2.8E-09	7.5E-10	4.3E-10	9.2E-10	1.6E-09	1.2E-09	1.6E-09	2.0E-09	2.2E-09	1.2E-09	1.7E-09	2.0E-09	2.1E-09	3.3E-09	4.2E-09	5.4E-09
	3.1E-09	8.1E-10	4.7E-10	1.0E-09	1.8E-09	1.3E-09	1.7E-09	2.2E-09	2.3E-09	1.4E-09	1.8E-09	2.2E-09	2.3E-09	3.6E-09	4.4E-09	5.5E-09
	1.4E-09	3.6E-10	2.1E-10	4.5E-10	7.7E-10	5.9E-10	7.8E-10	9.9E-10	1.1E-09	6.0E-10	8.1E-10	9.7E-10	1.0E-09	1.6E-09	2.0E-09	2.6E-09
	1.5E-09	3.9E-10	2.3E-10	4.8E-10	8.5E-10	6.4E-10	8.4E-10	1.1E-09	1.2E-09	6.5E-10	8.7E-10	1.0E-09	1.1E-09	1.7E-09	2.1E-09	2.7E-09
	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
72.0 KM																
	2.4E-09	6.4E-10	3.9E-10	7.0E-10	1.4E-09	1.0E-09	1.4E-09	1.8E-09	1.9E-09	1.1E-09	1.4E-09	1.8E-09	2.0E-09	3.0E-09	3.7E-09	4.7E-09
	1.1E-09	3.0E-10	1.8E-10	3.3E-10	6.3E-10	4.7E-10	6.5E-10	8.5E-10	9.0E-10	5.3E-10	6.5E-10	8.5E-10	9.2E-10	1.4E-09	1.7E-09	2.2E-09
	4.6E-12	9.5E-13	4.2E-13	9.4E-13	1.7E-12	1.6E-12	2.6E-12	3.2E-12	3.1E-12	1.3E-12	1.5E-12	1.9E-12	2.8E-12	2.6E-12	4.0E-12	8.6E-12
	2.2E-09	5.7E-10	3.4E-10	6.2E-10	1.2E-09	8.9E-10	1.2E-09	1.6E-09	1.7E-09	1.0E-09	1.2E-09	1.6E-09	1.8E-09	2.7E-09	3.3E-09	4.3E-09
	2.3E-09	6.2E-10	3.7E-10	6.8E-10	1.3E-09	9.7E-10	1.4E-09	1.8E-09	1.9E-09	1.1E-09	1.4E-09	1.8E-09	1.9E-09	2.9E-09	3.6E-09	4.6E-09
	1.0E-09	2.6E-10	1.6E-10	2.9E-10	5.4E-10	4.1E-10	5.8E-10	7.7E-10	8.0E-10	4.6E-10	5.8E-10	7.6E-10	8.3E-10	1.2E-09	1.6E-09	2.0E-09
	1.1E-09	2.9E-10	1.7E-10	3.2E-10	6.0E-10	4.5E-10	6.3E-10	8.3E-10	8.7E-10	5.1E-10	6.3E-10	8.2E-10	8.9E-10	1.4E-09	1.7E-09	2.1E-09
	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.
80.0 KM																
	2.0E-09	5.0E-10	3.3E-10	5.2E-10	1.0E-09	7.9E-10	1.2E-09	1.5E-09	1.5E-09	9.7E-10	1.1E-09	1.5E-09	1.7E-09	2.5E-09	3.1E-09	3.8E-09
	8.9E-10	2.2E-10	1.5E-10	2.3E-10	4.7E-10	3.5E-10	5.3E-10	6.6E-10	6.9E-10	4.4E-10	5.1E-10	6.9E-10	7.6E-10	1.1E-09	1.4E-09	1.7E-09
	3.5E-12	6.8E-13	3.3E-13	6.4E-13	1.2E-12	1.2E-12	2.0E-12	2.4E-12	2.3E-12	1.0E-12	1.1E-12	1.5E-12	2.2E-12	2.1E-12	3.1E-12	6.4E-12
	1.7E-09	4.3E-10	2.8E-10	4.5E-10	8.7E-10	6.8E-10	1.0E-09	1.3E-09	1.3E-09	8.5E-10	9.8E-10	1.3E-09	1.5E-09	2.2E-09	2.6E-09	3.4E-09
	1.9E-09	4.8E-10	3.1E-10	5.0E-10	9.8E-10	7.5E-10	1.1E-09	1.4E-09	1.5E-09	9.3E-10	1.1E-09	1.5E-09	1.6E-09	2.4E-09	3.0E-09	3.7E-09
	1.9E-10	1.3E-10	2.0E-10	3.9E-10	3.1E-10	4.6E-10	5.9E-10	6.1E-10	5.8E-10	3.8E-10	4.4E-10	6.1E-10	6.8E-10	9.8E-10	1.2E-09	1.5E-09
	8.6E-10	2.1E-10	1.4E-10	2.2E-10	4.4E-10	3.4E-10	5.1E-10	6.4E-10	6.7E-10	4.2E-10	4.9E-10	6.6E-10	7.4E-10	1.1E-09	1.4E-09	1.7E-09
	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-67

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/74 TO 05/31/75

ANNUAL AVERAGE (GROUND)
SPECIAL PTS. - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08:18:53

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
EXCLUSION BOUNDARY																
	9.5E-07	4.5E-07	3.8E-07	5.6E-07	6.4E-07	6.8E-07	7.1E-07	7.7E-07	7.3E-07	6.2E-07	7.0E-07	9.5E-07	6.5E-07	1.2E-06	1.7E-06	1.6E-06
	8.5E-07	4.0E-07	3.4E-07	5.0E-07	5.7E-07	6.1E-07	6.3E-07	6.8E-07	6.5E-07	5.5E-07	6.3E-07	8.4E-07	5.8E-07	1.1E-06	1.5E-06	1.4E-06
	9.6E-09	3.5E-09	2.2E-09	3.8E-09	4.2E-09	5.4E-09	6.4E-09	6.6E-09	5.7E-09	3.5E-09	3.9E-09	5.2E-09	4.7E-09	6.3E-09	9.9E-09	1.4E-08
	9.5E-07	4.5E-07	3.8E-07	5.6E-07	6.4E-07	6.8E-07	7.1E-07	7.6E-07	7.3E-07	6.2E-07	7.0E-07	9.4E-07	6.5E-07	1.2E-06	1.7E-06	1.6E-06
	9.5E-07	4.5E-07	3.8E-07	5.6E-07	6.4E-07	6.8E-07	7.1E-07	7.7E-07	7.3E-07	6.2E-07	7.0E-07	9.5E-07	6.5E-07	1.2E-06	1.7E-06	1.6E-06
	8.5E-07	4.0E-07	3.4E-07	5.0E-07	5.7E-07	6.1E-07	6.3E-07	6.8E-07	6.5E-07	5.5E-07	6.3E-07	8.4E-07	5.8E-07	1.1E-06	1.5E-06	1.4E-06
	8.5E-07	4.0E-07	3.4E-07	5.0E-07	5.7E-07	6.1E-07	6.3E-07	6.8E-07	6.5E-07	5.5E-07	6.3E-07	8.4E-07	5.8E-07	1.1E-06	1.5E-06	1.4E-06
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
LOW POPULATION ZONE																
	1.8E-07	8.3E-08	6.2E-08	8.1E-08	1.1E-07	1.1E-07	1.3E-07	1.2E-07	1.3E-07	1.0E-07	1.2E-07	1.3E-07	1.2E-07	2.1E-07	3.0E-07	2.6E-07
	1.5E-07	6.7E-08	5.0E-08	6.5E-08	9.1E-08	9.2E-08	1.1E-07	9.8E-08	1.0E-07	8.1E-08	9.8E-08	1.0E-07	1.0E-07	1.7E-07	2.4E-07	2.1E-07
	1.4E-09	4.9E-10	2.8E-10	4.3E-10	5.8E-10	7.2E-10	9.7E-10	8.5E-10	8.2E-10	4.5E-10	5.4E-10	5.5E-10	7.1E-10	8.5E-10	1.4E-09	1.8E-09
	1.8E-07	8.2E-08	6.2E-08	8.1E-08	1.1E-07	1.1E-07	1.3E-07	1.2E-07	1.3E-07	1.0E-07	1.2E-07	1.3E-07	1.2E-07	2.1E-07	3.0E-07	2.6E-07
	1.8E-07	8.3E-08	6.2E-08	8.1E-08	1.1E-07	1.1E-07	1.3E-07	1.2E-07	1.3E-07	1.0E-07	1.2E-07	1.3E-07	1.2E-07	2.1E-07	3.0E-07	2.6E-07
	1.5E-07	6.6E-08	5.0E-08	6.5E-08	9.0E-08	9.1E-08	1.1E-07	9.8E-08	1.0E-07	8.0E-08	9.7E-08	1.0E-07	1.0E-07	1.7E-07	2.4E-07	2.1E-07
	1.5E-07	6.7E-08	5.0E-08	6.5E-08	9.0E-08	9.2E-08	1.1E-07	9.8E-08	1.0E-07	8.1E-08	9.8E-08	1.0E-07	1.0E-07	1.7E-07	2.4E-07	2.1E-07
	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.
NEAREST RESIDENT																
	1.3E-07	1.4E-07	9.7E-08	1.3E-07	1.9E-07	2.6E-07	1.0E-07	8.4E-08	1.3E-07	1.3E-07	1.1E-07	1.6E-07	1.0E-07	5.2E-07	3.5E-07	6.5E-07
	1.1E-07	1.2E-07	8.0E-08	1.1E-07	1.6E-07	2.2E-07	7.9E-08	6.5E-08	1.0E-07	1.0E-07	8.7E-08	1.3E-07	8.0E-08	4.5E-07	2.9E-07	5.5E-07
	9.6E-10	9.4E-10	4.7E-10	7.7E-10	1.1E-09	1.9E-09	6.9E-10	5.2E-10	8.2E-10	6.0E-10	4.7E-10	7.2E-10	5.5E-10	2.5E-09	1.7E-09	5.3E-09
	1.3E-07	1.4E-07	9.7E-08	1.3E-07	1.9E-07	2.6E-07	9.9E-08	8.3E-08	1.3E-07	1.3E-07	1.1E-07	1.6E-07	1.0E-07	5.2E-07	3.5E-07	6.5E-07
	1.3E-07	1.4E-07	9.7E-08	1.3E-07	1.9E-07	2.6E-07	1.0E-07	8.3E-08	1.3E-07	1.3E-07	1.1E-07	1.6E-07	1.0E-07	5.2E-07	3.5E-07	6.5E-07
	1.0E-07	1.2E-07	8.0E-08	1.1E-07	1.6E-07	2.2E-07	7.8E-08	6.4E-08	1.0E-07	1.0E-07	8.6E-08	1.3E-07	7.9E-08	4.5E-07	2.9E-07	5.5E-07
	1.1E-07	1.2E-07	8.0E-08	1.1E-07	1.6E-07	2.2E-07	7.8E-08	6.4E-08	1.0E-07	1.0E-07	8.7E-08	1.3E-07	8.0E-08	4.5E-07	2.9E-07	5.5E-07
	4988.	2816.	3138.	2816.	2735.	2333.	4827.	5632.	4023.	3379.	4344.	3540.	4666.	2092.	3540.	2172.
NEAREST VEGETABLE																
	1.1E-07	1.0E-07	8.1E-08	1.3E-07	1.9E-07	2.6E-07	9.2E-08	8.4E-08	5.1E-08	7.9E-08	1.1E-07	1.6E-07	1.0E-07	4.7E-07	3.5E-07	6.5E-07
	8.3E-08	8.6E-08	6.6E-08	1.1E-07	1.6E-07	2.2E-07	7.2E-08	6.5E-08	3.8E-08	6.2E-08	8.7E-08	1.3E-07	8.0E-08	4.0E-07	2.8E-07	5.5E-07
	7.3E-10	6.5E-10	3.8E-10	7.7E-10	1.1E-09	1.9E-09	6.2E-10	5.2E-10	2.6E-10	3.4E-10	4.7E-10	7.2E-10	5.5E-10	2.2E-09	1.6E-09	5.3E-09
	1.1E-07	1.0E-07	8.0E-08	1.3E-07	1.9E-07	2.6E-07	9.1E-08	8.3E-08	5.1E-08	7.8E-08	1.1E-07	1.6E-07	1.0E-07	4.7E-07	3.5E-07	6.5E-07
	1.1E-07	1.0E-07	8.1E-08	1.3E-07	1.9E-07	2.6E-07	9.2E-08	8.3E-08	5.1E-08	7.9E-08	1.1E-07	1.6E-07	1.0E-07	4.7E-07	3.5E-07	6.5E-07
	8.2E-08	8.5E-08	6.5E-08	1.1E-07	1.6E-07	2.2E-07	7.1E-08	6.4E-08	3.8E-08	6.2E-08	8.6E-08	1.3E-07	7.9E-08	4.0E-07	2.8E-07	5.5E-07
	8.3E-08	8.6E-08	6.6E-08	1.1E-07	1.6E-07	2.2E-07	7.2E-08	6.4E-08	3.8E-08	6.2E-08	8.7E-08	1.3E-07	8.0E-08	4.0E-07	2.8E-07	5.5E-07
	5792.	3379.	3540.	2816.	2735.	2333.	5149.	5632.	7401.	4827.	4344.	3540.	4666.	2253.	3620.	2172.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
NEAREST MEAT ANIMAL																
	8.7E-07	4.4E-07	3.8E-07	2.5E-07	2.9E-07	3.4E-07	9.2E-08	9.1E-08	9.0E-09	2.0E-07	2.3E-07	2.5E-07	9.7E-08	2.3E-07	4.1E-07	8.5E-07
	7.7E-07	3.9E-07	3.4E-07	2.1E-07	2.5E-07	3.0E-07	7.2E-08	7.1E-08	7.0E-08	1.7E-07	2.0E-07	2.0E-07	7.6E-08	1.8E-07	3.3E-07	7.4E-07
	8.7E-09	3.4E-09	2.2E-09	1.5E-09	1.8E-09	2.6E-09	6.2E-10	5.7E-10	5.2E-10	1.0E-09	1.2E-09	1.2E-09	5.1E-10	9.5E-10	2.0E-09	7.3E-09
	8.7E-07	4.4E-07	3.8E-07	2.4E-07	2.9E-07	3.4E-07	9.1E-08	9.0E-08	8.9E-08	2.0E-07	2.3E-07	2.4E-07	9.6E-08	2.3E-07	4.0E-07	8.5E-07
	8.7E-07	4.4E-07	3.8E-07	2.4E-07	2.9E-07	3.4E-07	9.2E-08	9.0E-08	8.9E-08	2.0E-07	2.3E-07	2.5E-07	9.6E-08	2.3E-07	4.1E-07	8.5E-07
	7.7E-07	3.9E-07	3.4E-07	2.1E-07	2.5E-07	3.0E-07	7.1E-08	7.0E-08	6.9E-08	1.7E-07	2.0E-07	2.0E-07	7.6E-08	1.8E-07	3.3E-07	7.4E-07
	7.7E-07	3.9E-07	3.4E-07	2.1E-07	2.5E-07	3.0E-07	7.2E-08	7.0E-08	7.0E-08	1.7E-07	2.0E-07	2.0E-07	7.6E-08	1.8E-07	3.3E-07	7.4E-07
	1207.	1207.	1207.	1931.	2011.	1931.	5149.	5310.	5310.	2574.	2414.	2735.	4827.	3701.	3218.	1770.
NEAREST DAIRY COW																
	7.5E-08	6.3E-08		1.3E-07	2.9E-07	3.4E-07	6.7E-08				5.4E-08			1.4E-07	4.1E-07	
	5.6E-08	4.9E-08		1.1E-07	2.5E-07	3.0E-07	5.1E-08				4.0E-08			1.0E-07	3.3E-07	
	4.6E-10	3.5E-10	NONE	7.7E-10	1.8E-09	2.6E-09	4.2E-10	NONE	NONE	NONE	1.9E-10	NONE	NONE	8.8E-10	2.0E-09	NONE
	7.4E-08	6.2E-08	IN	1.3E-07	2.9E-07	3.4E-07	6.7E-08	IN	IN	IN	5.3E-08	IN	IN	1.3E-07	4.0E-07	IN
	7.4E-08	6.3E-08	THIS	1.3E-07	2.9E-07	3.4E-07	6.7E-08	THIS	THIS	THIS	5.4E-08	THIS	THIS	1.4E-07	4.1E-07	THIS
	5.5E-08	4.9E-08	SECTOR	1.1E-07	2.5E-07	3.0E-07	5.1E-08	SECTOR	SECTOR	SECTOR	4.0E-08	SECTOR	SECTOR	1.0E-07	3.3E-07	SECTOR
	5.5E-08	4.9E-08		1.1E-07	2.5E-07	3.0E-07	5.1E-08				4.0E-08			1.0E-07	3.3E-07	
	7562.	4827.		2816.	2011.	1931.	6436.				7562.			5632.	3218.	
NEAREST PLANT BOUNDARY																
	5.7E-07	2.3E-07	1.5E-07	2.5E-07	3.1E-07	3.6E-07	1.0E-07	9.1E-08	2.2E-07	2.1E-07	2.3E-07	2.2E-07	1.6E-07	2.0E-07	6.1E-07	9.0E-07
	5.0E-07	1.9E-07	1.3E-07	2.1E-07	2.6E-07	3.1E-07	7.9E-08	7.1E-08	1.8E-07	1.7E-07	2.0E-07	1.8E-07	1.3E-07	1.6E-07	5.2E-07	7.8E-07
	5.4E-09	1.6E-09	7.7E-10	1.5E-09	1.9E-09	2.7E-09	6.9E-10	5.7E-10	1.5E-09	1.1E-09	1.2E-09	1.1E-09	9.4E-10	7.9E-10	3.2E-09	7.7E-09
	5.7E-07	2.3E-07	1.5E-07	2.4E-07	3.1E-07	3.6E-07	9.9E-08	9.0E-08	2.2E-07	2.1E-07	2.3E-07	2.2E-07	1.5E-07	2.0E-07	6.1E-07	9.0E-07
	5.7E-07	2.3E-07	1.5E-07	2.4E-07	3.1E-07	3.6E-07	1.0E-07	9.0E-08	2.2E-07	2.1E-07	2.3E-07	2.2E-07	1.6E-07	2.0E-07	6.1E-07	9.0E-07
	4.9E-07	1.9E-07	1.3E-07	2.1E-07	2.6E-07	3.1E-07	7.8E-08	7.0E-08	1.8E-07	1.7E-07	2.0E-07	1.8E-07	1.3E-07	1.6E-07	5.2E-07	7.8E-07
	5.0E-07	1.9E-07	1.3E-07	2.1E-07	2.6E-07	3.1E-07	7.8E-08	7.0E-08	1.8E-07	1.7E-07	2.0E-07	1.8E-07	1.3E-07	1.6E-07	5.2E-07	7.8E-07
	1754.	2076.	2065.	1931.	1931.	1866.	4827.	5310.	2767.	2478.	2414.	2880.	3379.	4183.	2349.	1738.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-68 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/74 TO 05/31/75

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08 38 24

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
0.4 KM																
2.6E-06	8.9E-07	5.7E-07	6.9E-07	1.1E-06	1.5E-06	1.7E-06	1.9E-06	1.4E-06	8.4E-07	1.1E-06	1.5E-06	1.4E-06	2.0E-06	3.0E-06	3.6E-06
2.3E-06	8.4E-07	5.4E-07	6.6E-07	1.1E-06	1.4E-06	1.6E-06	1.7E-06	1.3E-06	8.0E-07	1.1E-06	1.7E-06	1.5E-06	2.5E-06	3.9E-06	3.6E-06
4.0E-08	1.1E-08	5.4E-09	7.4E-09	1.3E-08	2.0E-08	2.5E-08	2.2E-08	1.7E-08	6.4E-09	8.6E-09	1.1E-08	1.4E-08	1.2E-08	2.3E-08	4.9E-08
2.6E-06	8.9E-07	5.7E-07	6.9E-07	1.1E-06	1.5E-06	1.7E-06	1.8E-06	1.4E-06	8.4E-07	1.1E-06	1.5E-06	1.4E-06	2.0E-06	3.0E-06	3.0E-06
2.6E-06	8.9E-07	5.7E-07	6.9E-07	1.1E-06	1.5E-06	1.7E-06	1.8E-06	1.4E-06	8.4E-07	1.1E-06	1.5E-06	1.4E-06	2.0E-06	3.0E-06	3.6E-06
2.5E-06	8.4E-07	5.4E-07	6.6E-07	1.1E-06	1.4E-06	1.6E-06	1.7E-06	1.3E-06	8.0E-07	1.4E-06	1.7E-06	1.7E-06	2.5E-06	3.9E-06	3.6E-06
2.5E-06	8.4E-07	5.4E-07	6.6E-07	1.1E-06	1.4E-06	1.6E-06	1.7E-06	1.3E-06	8.0E-07	1.4E-06	1.7E-06	1.7E-06	2.5E-06	3.9E-06	3.6E-06
	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.
0.8 KM																
8.5E-07	3.0E-07	1.7E-07	2.4E-07	3.9E-07	5.5E-07	5.2E-07	6.2E-07	4.7E-07	2.8E-07	4.0E-07	4.7E-07	4.5E-07	6.9E-07	1.0E-06	1.3E-06
7.8E-07	2.8E-07	1.6E-07	2.2E-07	3.6E-07	5.1E-07	4.8E-07	5.6E-07	4.3E-07	2.6E-07	4.7E-07	5.2E-07	5.3E-07	8.2E-07	1.2E-06	1.2E-06
1.6E-08	5.1E-09	2.0E-09	3.1E-09	5.1E-09	8.1E-09	9.1E-09	8.6E-09	6.9E-09	2.9E-09	3.8E-09	4.0E-09	5.3E-09	5.1E-09	8.7E-09	1.9E-08
8.5E-07	3.0E-07	1.7E-07	2.4E-07	3.9E-07	5.5E-07	5.2E-07	6.1E-07	4.7E-07	2.8E-07	4.0E-07	4.7E-07	4.5E-07	6.9E-07	1.0E-06	1.3E-06
8.5E-07	3.0E-07	1.7E-07	2.4E-07	3.9E-07	5.5E-07	5.2E-07	6.2E-07	4.7E-07	2.8E-07	4.0E-07	4.7E-07	4.5E-07	6.9E-07	1.0E-06	1.3E-06
7.8E-07	2.8E-07	1.6E-07	2.2E-07	3.6E-07	5.1E-07	4.8E-07	5.6E-07	4.3E-07	2.6E-07	4.7E-07	5.2E-07	5.3E-07	8.2E-07	1.2E-06	1.2E-06
7.8E-07	2.8E-07	1.6E-07	2.2E-07	3.6E-07	5.1E-07	4.8E-07	5.6E-07	4.3E-07	2.6E-07	4.7E-07	5.2E-07	5.3E-07	8.2E-07	1.2E-06	1.2E-06
	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
1.2 KM																
4.5E-07	1.6E-07	8.7E-08	1.3E-07	2.0E-07	3.0E-07	2.7E-07	3.3E-07	2.5E-07	1.5E-07	2.3E-07	2.4E-07	2.3E-07	3.7E-07	5.5E-07	6.6E-07
4.0E-07	1.5E-07	7.9E-08	1.2E-07	1.8E-07	2.7E-07	2.5E-07	2.9E-07	2.2E-07	1.4E-07	2.6E-07	2.6E-07	2.7E-07	4.3E-07	6.3E-07	5.9E-07
8.3E-09	2.9E-09	1.1E-09	1.7E-09	2.7E-09	4.4E-09	4.8E-09	4.6E-09	3.8E-09	1.6E-09	2.3E-09	2.2E-09	2.8E-09	2.8E-09	4.7E-09	9.7E-09
4.5E-07	1.6E-07	8.7E-08	1.3E-07	2.0E-07	3.0E-07	2.7E-07	3.3E-07	2.5E-07	1.5E-07	2.3E-07	2.4E-07	2.3E-07	3.7E-07	5.5E-07	6.5E-07
4.5E-07	1.6E-07	8.7E-08	1.3E-07	2.0E-07	3.0E-07	2.7E-07	3.3E-07	2.5E-07	1.5E-07	2.3E-07	2.4E-07	2.3E-07	3.7E-07	5.5E-07	6.5E-07
4.0E-07	1.5E-07	7.9E-08	1.2E-07	1.8E-07	2.7E-07	2.5E-07	2.9E-07	2.2E-07	1.4E-07	2.6E-07	2.6E-07	2.7E-07	4.3E-07	6.2E-07	5.9E-07
4.0E-07	1.5E-07	7.9E-08	1.2E-07	1.8E-07	2.7E-07	2.5E-07	2.9E-07	2.2E-07	1.4E-07	2.6E-07	2.6E-07	2.7E-07	4.3E-07	6.2E-07	5.9E-07
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
1.6 KM																
3.0E-07	1.1E-07	6.2E-08	9.2E-08	1.4E-07	2.0E-07	1.8E-07	2.1E-07	1.7E-07	1.1E-07	1.4E-07	1.6E-07	1.6E-07	2.5E-07	3.8E-07	4.6E-07
2.7E-07	1.0E-07	5.5E-08	8.2E-08	1.3E-07	1.8E-07	1.6E-07	1.9E-07	1.5E-07	9.9E-08	1.6E-07	1.7E-07	1.8E-07	2.8E-07	4.2E-07	4.0E-07
5.2E-09	1.8E-09	7.3E-10	1.1E-09	1.8E-09	2.9E-09	3.0E-09	2.8E-09	2.5E-09	1.1E-09	1.4E-09	1.4E-09	1.8E-09	1.8E-09	3.1E-09	6.4E-09
3.0E-07	1.1E-07	6.2E-08	9.2E-08	1.4E-07	2.0E-07	1.8E-07	2.1E-07	1.7E-07	1.1E-07	1.4E-07	1.6E-07	1.6E-07	2.5E-07	3.8E-07	4.6E-07
3.0E-07	1.1E-07	6.2E-08	9.2E-08	1.4E-07	2.0E-07	1.8E-07	2.1E-07	1.7E-07	1.1E-07	1.4E-07	1.6E-07	1.6E-07	2.5E-07	3.8E-07	4.6E-07
2.7E-07	1.0E-07	5.5E-08	8.2E-08	1.3E-07	1.8E-07	1.6E-07	1.9E-07	1.5E-07	9.9E-08	1.6E-07	1.7E-07	1.8E-07	2.8E-07	4.2E-07	4.0E-07
2.7E-07	1.0E-07	5.5E-08	8.2E-08	1.3E-07	1.8E-07	1.6E-07	1.9E-07	1.5E-07	9.9E-08	1.6E-07	1.7E-07	1.8E-07	2.8E-07	4.2E-07	4.0E-07
	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 1.00 CALMS LOWER LEV - 0.44
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
2.4 KM																
1.8E-07	7.5E-08	4.2E-08	5.6E-08	9.0E-08	1.1E-07	1.1E-07	1.2E-07	1.0E-07	6.6E-08	8.2E-08	9.6E-08	8.9E-08	1.4E-07	2.3E-07	2.7E-07
1.5E-07	6.7E-08	3.8E-08	5.0E-08	7.9E-08	9.7E-08	9.7E-08	9.2E-08	1.0E-07	8.6E-08	5.9E-08	8.9E-08	9.9E-08	9.7E-08	1.5E-07	2.4E-07	2.3E-07
2.5E-09	9.2E-10	3.9E-10	5.9E-10	9.7E-10	1.4E-09	1.6E-09	1.4E-09	1.3E-09	6.0E-10	7.0E-10	7.4E-10	9.1E-10	9.4E-10	1.6E-09	3.3E-09
1.8E-07	7.5E-08	4.2E-08	5.6E-08	9.0E-08	1.1E-07	1.1E-07	1.2E-07	1.0E-07	6.6E-08	8.1E-08	9.6E-08	8.8E-08	1.4E-07	2.3E-07	2.7E-07
1.8E-07	7.5E-08	4.2E-08	5.6E-08	9.0E-08	1.1E-07	1.1E-07	1.2E-07	1.0E-07	6.6E-08	8.1E-08	9.6E-08	8.8E-08	1.4E-07	2.3E-07	2.7E-07
1.5E-07	6.7E-08	3.8E-08	5.0E-08	7.8E-08	9.7E-08	9.7E-08	9.2E-08	1.0E-07	8.6E-08	5.9E-08	8.9E-08	9.8E-08	9.7E-08	1.5E-07	2.4E-07	2.3E-07
1.5E-07	6.7E-08	3.8E-08	5.0E-08	7.9E-08	9.7E-08	9.7E-08	9.2E-08	1.0E-07	8.6E-08	5.9E-08	8.9E-08	9.9E-08	9.7E-08	1.5E-07	2.4E-07	2.3E-07
	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.
3.2 KM																
1.3E-07	4.9E-08	2.8E-08	4.7E-08	6.2E-08	7.6E-08	7.4E-08	8.4E-08	7.5E-08	4.7E-08	7.5E-08	5.9E-08	6.5E-08	6.4E-08	9.8E-08	1.6E-07	2.0E-07
1.1E-07	4.3E-08	2.4E-08	4.1E-08	5.3E-08	6.5E-08	6.4E-08	7.2E-08	6.5E-08	4.2E-08	6.2E-08	6.6E-08	6.8E-08	1.1E-07	1.7E-07	1.7E-07
1.6E-09	5.3E-10	2.3E-10	4.4E-10	6.0E-10	8.9E-10	1.0E-09	9.3E-10	8.8E-10	3.9E-10	4.6E-10	4.6E-10	5.9E-10	6.0E-10	1.0E-09	2.1E-09
1.3E-07	4.9E-08	2.8E-08	4.7E-08	6.2E-08	7.6E-08	7.4E-08	8.4E-08	7.5E-08	4.7E-08	7.5E-08	5.8E-08	6.5E-08	6.4E-08	9.7E-08	1.6E-07	1.9E-07
1.3E-07	4.9E-08	2.8E-08	4.7E-08	6.2E-08	7.6E-08	7.4E-08	8.4E-08	7.5E-08	4.7E-08	7.5E-08	5.9E-08	6.5E-08	6.4E-08	9.7E-08	1.6E-07	2.0E-07
1.1E-07	4.3E-08	2.4E-08	4.1E-08	5.3E-08	6.5E-08	6.3E-08	7.1E-08	6.5E-08	4.2E-08	6.2E-08	6.6E-08	6.9E-08	1.0E-07	1.7E-07	1.7E-07
1.1E-07	4.3E-08	2.4E-08	4.1E-08	5.3E-08	6.5E-08	6.3E-08	7.1E-08	6.5E-08	4.2E-08	6.2E-08	6.6E-08	6.8E-08	1.1E-07	1.7E-07	1.7E-07
	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.
4.0 KM																
9.3E-08	3.5E-08	2.0E-08	4.1E-08	4.6E-08	5.5E-08	5.7E-08	6.7E-08	6.0E-08	3.7E-08	4.6E-08	4.9E-08	4.8E-08	7.5E-08	1.2E-07	1.5E-07
7.9E-08	3.1E-08	1.7E-08	3.5E-08	3.9E-08	4.7E-08	4.8E-08	5.6E-08	5.1E-08	3.2E-08	4.9E-08	4.8E-08	5.1E-08	7.9E-08	1.3E-07	1.3E-07
1.1E-08	4.4E-09	1.5E-09	3.4E-09	4.1E-09	5.9E-09	7.1E-09	6.8E-09	6.3E-09	2.7E-09	3.2E-09	3.1E-09	4.1E-09	4.2E-09	7.3E-09	1.4E-09
9.3E-08	3.5E-08	2.0E-08	4.1E-08	4.6E-08	5.5E-08	5.6E-08	6.7E-08	6.0E-08	3.7E-08	4.6E-08	4.9E-08	4.8E-08	7.4E-08	1.2E-07	1.5E-07
9.3E-08	3.5E-08	2.0E-08	4.1E-08	4.6E-08	5.5E-08	5.7E-08	6.7E-08	6.0E-08	3.7E-08	4.6E-08	4.9E-08	4.8E-08	7.4E-08	1.2E-07	1.5E-07
7.9E-08	3.1E-08	1.7E-08	3.5E-08	3.9E-08	4.7E-08	4.8E-08	5.6E-08	5.1E-08	3.2E-08	4.9E-08	4.8E-08	5.1E-08	7.9E-08	1.3E-07	1.3E-07
7.9E-08	3.1E-08	1.7E-08	3.5E-08	3.9E-08	4.7E-08	4.8E-08	5.6E-08	5.1E-08	3.2E-08	4.8E-08	4.8E-08	5.1E-08	7.9E-08	1.3E-07	1.3E-07
	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.
4.8 KM																
7.5E-08	2.8E-08	1.8E-08	2.7E-08	3.5E-08	4.5E-08	4.5E-08	5.3E-08	4.5E-08	3.1E-08	3.7E-08	4.0E-08	4.0E-08	6.3E-08	9.9E-08	1.2E-07
6.3E-08	2.4E-08	1.5E-08	2.3E-08	2.9E-08	3.7E-08	3.8E-08	4.4E-08	3.8E-08	2.7E-08	3.9E-08	3.9E-08	4.1E-08	6.6E-08	1.0E-07	1.0E-07
8.0E-10	2.4E-10	1.2E-10	2.1E-10	2.8E-10	4.4E-10	5.0E-10	4.5E-10	4.2E-10	2.1E-10	2.4E-10	2.4E-10	3.1E-10	3.2E-10	5.5E-10	1.0E-09
7.5E-08	2.8E-08	1.7E-08	2.7E-08	3.5E-08	4.5E-08	4.5E-08	5.3E-08	4.5E-08	3.1E-08	3.7E-08	4.0E-08	4.0E-08	6.3E-08	9.9E-08	1.2E-07
7.5E-08	2.8E-08	1.8E-08	2.7E-08	3.5E-08	4.5E-08	4.5E-08	5.3E-08	4.5E-08	3.1E-08	3.7E-08	4.0E-08	4.0E-08	6.3E-08	9.9E-08	1.2E-07
6.3E-08	2.4E-08	1.5E-08	2.3E-08	2.9E-08	3.7E-08	3.7E-08	4.4E-08	3.8E-08	2.7E-08	3.9E-08	3.9E-08	4.1E-08	6.6E-08	1.0E-07	1.0E-07
6.3E-08	2.4E-08	1.5E-08	2.3E-08	2.9E-08	3.7E-08	3.8E-08	4.4E-08	3.8E-08	2.7E-08	3.9E-08	3.9E-08	4.1E-08	6.6E-08	1.0E-07	1.0E-07
	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4000.	4800.	4800.	4000.	4800.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 1.00 CALMS LOWER LEV - 0.44
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

Rev. 8
2/82

TABLE 2.3-68 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/74 TO 05/31/75

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08.38.24

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
5.6 KM																
a	3E-08	2.3E-08	1.6E-08	1.9E-08	2.8E-08	3.8E-08	3.7E-08	4.4E-08	3.7E-08	2.7E-08	3.1E-08	3.5E-08	3.3E-08	5.5E-08	8.1E-08	1.1E-07
5	2E-08	2.0E-08	1.4E-08	1.6E-08	2.4E-08	3.1E-08	3.0E-08	3.6E-08	3.1E-08	2.3E-08	2.6E-08	3.3E-08	3.4E-08	5.7E-08	8.2E-08	9.0E-08
6	2E-10	1.8E-10	1.0E-10	1.3E-10	2.1E-10	3.5E-10	4.1E-10	3.9E-10	3.4E-10	1.7E-10	1.9E-10	1.9E-10	2.4E-10	2.6E-10	4.2E-10	8.4E-10
6	2E-08	2.3E-08	1.6E-08	1.8E-08	2.8E-08	3.6E-08	3.7E-08	4.4E-08	3.7E-08	2.7E-08	3.1E-08	3.4E-08	3.3E-08	5.5E-08	8.0E-08	1.1E-07
6	2E-08	2.3E-08	1.6E-08	1.9E-08	2.8E-08	3.6E-08	3.7E-08	4.4E-08	3.7E-08	2.7E-08	3.1E-08	3.5E-08	3.3E-08	5.5E-08	8.0E-08	1.1E-07
5	2E-08	2.0E-08	1.4E-08	1.6E-08	2.3E-08	3.1E-08	3.0E-08	3.6E-08	3.1E-08	2.3E-08	2.6E-08	3.3E-08	3.4E-08	5.7E-08	8.1E-08	9.0E-08
5	2E-08	2.0E-08	1.4E-08	1.6E-08	2.3E-08	3.1E-08	3.0E-08	3.6E-08	3.1E-08	2.3E-08	2.6E-08	3.3E-08	3.4E-08	5.7E-08	8.2E-08	9.0E-08
	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.
9.4 KM																
5	3E-08	2.2E-08	1.4E-08	1.6E-08	2.5E-08	3.1E-08	3.1E-08	3.7E-08	3.0E-08	2.3E-08	2.7E-08	3.0E-08	2.7E-08	4.6E-08	7.3E-08	8.7E-08
4	4E-08	1.9E-08	1.2E-08	1.4E-08	2.0E-08	2.6E-08	2.5E-08	3.0E-08	2.5E-08	2.0E-08	2.8E-08	2.9E-08	2.6E-08	4.7E-08	7.3E-08	7.2E-08
4	9E-10	1.3E-10	6.7E-11	9.9E-11	1.7E-10	2.7E-10	3.2E-10	3.1E-10	2.6E-10	1.4E-10	1.5E-10	1.5E-10	1.6E-10	2.1E-10	3.5E-10	6.3E-10
5	3E-08	2.2E-08	1.4E-08	1.6E-08	2.4E-08	3.1E-08	3.0E-08	3.7E-08	3.0E-08	2.3E-08	2.7E-08	3.0E-08	2.7E-08	4.6E-08	7.2E-08	8.6E-08
5	3E-09	2.2E-08	1.4E-08	1.6E-08	2.5E-08	3.1E-08	3.1E-08	3.7E-08	3.0E-08	2.3E-08	2.7E-08	3.0E-08	2.7E-08	4.6E-08	7.2E-08	8.7E-08
4	4E-08	1.9E-08	1.2E-08	1.3E-08	2.0E-08	2.6E-08	2.5E-08	3.0E-08	2.5E-08	1.9E-08	2.7E-08	2.8E-08	2.7E-08	4.7E-08	7.2E-08	7.2E-08
4	4E-08	1.9E-08	1.2E-08	1.3E-08	2.0E-08	2.6E-08	2.5E-08	3.0E-08	2.5E-08	2.0E-08	2.7E-08	2.9E-08	2.6E-08	4.7E-08	7.3E-08	7.2E-08
	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.
7.2 KM																
4	7E-08	1.9E-08	1.2E-08	1.5E-08	2.3E-08	2.7E-08	2.6E-08	3.2E-08	2.6E-08	2.0E-08	2.5E-08	2.5E-08	2.3E-08	3.9E-08	6.1E-08	7.3E-08
3	9E-08	1.7E-08	1.0E-08	1.2E-08	1.9E-08	2.2E-08	2.1E-08	2.6E-08	2.1E-08	1.7E-08	2.5E-08	2.4E-08	2.3E-08	3.9E-08	6.1E-08	5.9E-08
4	1E-10	1.1E-10	4.8E-11	8.6E-11	1.5E-10	2.2E-10	2.6E-10	2.5E-10	2.1E-10	1.1E-10	1.3E-10	1.2E-10	1.5E-10	1.6E-10	2.8E-10	5.2E-10
4	7E-08	1.9E-08	1.1E-08	1.5E-08	2.3E-08	2.7E-08	2.6E-08	3.2E-08	2.5E-08	2.0E-08	2.5E-08	2.5E-08	2.3E-08	3.8E-08	6.1E-08	7.1E-08
4	7E-08	1.9E-08	1.1E-08	1.5E-08	2.3E-08	2.7E-08	2.6E-08	3.2E-08	2.6E-08	2.0E-08	2.5E-08	2.5E-08	2.3E-08	3.9E-08	6.1E-08	7.2E-08
3	9E-08	1.7E-08	1.0E-08	1.2E-08	1.9E-08	2.2E-08	2.1E-08	2.6E-08	2.1E-08	1.7E-08	2.5E-08	2.4E-08	2.3E-08	3.9E-08	6.0E-08	5.9E-08
3	9E-08	1.7E-08	1.0E-08	1.2E-08	1.9E-08	2.2E-08	2.1E-08	2.6E-08	2.1E-08	1.7E-08	2.5E-08	2.4E-08	2.3E-08	3.9E-08	6.1E-08	5.9E-08
	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.
8.0 KM																
4	2E-08	1.7E-08	9.3E-09	1.3E-08	2.1E-08	2.3E-08	2.3E-08	2.9E-08	2.2E-08	1.7E-08	2.2E-08	2.2E-08	1.9E-08	3.4E-08	5.6E-08	6.4E-08
3	4E-08	1.4E-08	8.0E-09	1.1E-08	1.7E-08	1.9E-08	1.8E-08	2.3E-08	1.8E-08	1.4E-08	2.2E-08	2.1E-08	1.9E-08	3.4E-08	5.5E-08	5.3E-08
3	5E-10	9.7E-11	4.4E-11	7.5E-11	1.3E-10	1.8E-10	2.1E-10	2.1E-10	1.7E-10	9.0E-11	1.1E-10	1.0E-10	1.1E-10	1.3E-10	2.3E-10	4.3E-10
4	1E-08	1.7E-08	9.2E-09	1.3E-08	2.1E-08	2.3E-08	2.2E-08	2.9E-08	2.2E-08	1.7E-08	2.2E-08	2.2E-08	1.9E-08	3.4E-08	5.6E-08	6.4E-08
4	2E-08	1.7E-08	9.2E-09	1.3E-08	2.1E-08	2.3E-08	2.2E-08	2.9E-08	2.2E-08	1.7E-08	2.2E-08	2.2E-08	1.9E-08	3.4E-08	5.6E-08	6.4E-08
3	4E-08	1.4E-08	8.0E-09	1.1E-08	1.7E-08	1.9E-08	1.8E-08	2.3E-08	1.8E-08	1.4E-08	2.2E-08	2.1E-08	1.9E-08	3.4E-08	5.5E-08	5.3E-08
3	4E-08	1.4E-08	8.0E-09	1.1E-08	1.7E-08	1.9E-08	1.8E-08	2.3E-08	1.8E-08	1.4E-08	2.2E-08	2.1E-08	1.9E-08	3.4E-08	5.5E-08	5.3E-08
	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 1.00 CALMS LOWER LEV - 0.44
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
12.0 KM																
2	3E-08	1.1E-08	5.5E-09	7.9E-09	1.1E-08	1.3E-08	1.4E-08	1.7E-08	1.5E-08	9.8E-09	1.4E-08	1.3E-08	1.4E-08	2.2E-08	3.4E-08	3.7E-08
1	9E-08	9.5E-09	4.7E-09	6.3E-09	9.1E-09	1.0E-08	1.1E-08	1.4E-08	1.1E-08	8.2E-09	1.4E-08	1.2E-08	1.4E-08	2.1E-08	3.3E-08	2.9E-08
1	6E-10	5.0E-11	2.0E-11	3.6E-11	5.7E-11	8.3E-11	1.1E-10	1.1E-10	9.5E-11	4.0E-11	5.7E-11	5.0E-11	6.9E-11	7.1E-11	1.2E-10	2.2E-10
2	3E-08	1.1E-08	5.5E-09	7.8E-09	1.1E-08	1.3E-08	1.3E-08	1.7E-08	1.4E-08	9.7E-09	1.4E-08	1.3E-08	1.4E-08	2.1E-08	3.4E-08	3.6E-08
2	3E-08	1.1E-08	5.5E-09	7.9E-09	1.1E-08	1.3E-08	1.4E-08	1.7E-08	1.4E-08	9.8E-09	1.4E-08	1.3E-08	1.4E-08	2.1E-08	3.4E-08	3.7E-08
1	8E-08	9.3E-09	4.6E-09	6.4E-09	8.9E-09	1.0E-08	1.0E-08	1.3E-08	1.1E-08	8.1E-09	1.3E-08	1.2E-08	1.4E-08	2.1E-08	3.2E-08	2.8E-08
1	8E-08	9.4E-09	4.7E-09	6.5E-09	9.0E-09	1.0E-08	1.1E-08	1.3E-08	1.1E-08	8.1E-09	1.4E-08	1.2E-08	1.4E-08	2.1E-08	3.3E-08	2.9E-08
	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.
16.0 KM																
1	6E-08	8.8E-09	3.8E-09	5.6E-09	7.3E-09	8.9E-09	9.4E-09	1.2E-08	1.2E-08	6.4E-09	1.1E-08	8.2E-09	1.1E-08	1.6E-08	2.4E-08	2.5E-08
1	3E-08	7.5E-09	3.2E-09	4.5E-09	5.7E-09	6.9E-09	7.1E-09	9.2E-09	9.0E-09	5.3E-09	1.0E-08	7.3E-09	1.0E-08	1.5E-08	2.2E-08	1.9E-08
9	8E-11	3.4E-11	1.2E-11	2.2E-11	3.2E-11	5.0E-11	6.6E-11	6.5E-11	5.0E-11	2.2E-11	3.7E-11	2.7E-11	4.5E-11	4.6E-11	7.7E-11	1.3E-10
1	6E-08	8.6E-09	3.7E-09	5.5E-09	7.2E-09	8.8E-09	9.3E-09	1.2E-08	1.1E-08	6.3E-09	1.0E-08	8.1E-09	1.0E-08	1.6E-08	2.4E-08	2.4E-08
1	6E-08	8.7E-09	3.7E-09	5.6E-09	7.2E-09	8.9E-09	9.4E-09	1.2E-08	1.1E-08	6.4E-09	1.0E-08	8.2E-09	1.1E-08	1.6E-08	2.4E-08	2.5E-08
1	3E-08	7.3E-09	3.1E-09	4.4E-09	5.6E-09	6.7E-09	7.0E-09	9.0E-09	8.8E-09	5.2E-09	9.9E-09	7.2E-09	9.8E-09	1.5E-08	2.2E-08	1.9E-08
1	3E-08	7.4E-09	3.2E-09	4.5E-09	5.7E-09	6.8E-09	7.0E-09	9.1E-09	9.0E-09	5.3E-09	1.0E-08	7.3E-09	1.0E-08	1.5E-08	2.2E-08	1.9E-08
	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.
24.0 KM																
9	5E-09	5.2E-09	2.6E-09	3.1E-09	4.6E-09	5.0E-09	5.5E-09	6.7E-09	6.9E-09	4.3E-09	5.7E-09	5.1E-09	6.1E-09	8.9E-09	1.5E-08	1.6E-08
7	2E-09	4.3E-09	2.1E-09	2.4E-09	3.5E-09	3.6E-09	3.9E-09	4.9E-09	5.2E-09	3.5E-09	4.5E-09	4.4E-09	5.6E-09	8.2E-09	1.3E-08	1.2E-08
4	7E-11	1.6E-11	6.6E-12	1.1E-11	1.6E-11	2.3E-11	3.2E-11	3.1E-11	3.2E-11	1.3E-11	1.7E-11	1.4E-11	2.1E-11	2.1E-11	3.9E-11	6.9E-11
9	2E-09	5.0E-09	2.5E-09	3.0E-09	4.4E-09	4.8E-09	5.3E-09	6.6E-09	6.7E-09	4.2E-09	5.6E-09	4.9E-09	5.9E-09	8.7E-09	1.4E-08	1.5E-08
9	1E-09	5.1E-09	2.5E-09	3.1E-09	4.5E-09	4.9E-09	5.4E-09	6.7E-09	6.8E-09	4.3E-09	5.7E-09	5.0E-09	6.0E-09	8.9E-09	1.5E-08	1.6E-08
7	0E-09	4.2E-09	2.1E-09	2.3E-09	3.4E-09	3.6E-09	3.8E-09	4.8E-09	5.0E-09	3.4E-09	4.2E-09	4.3E-09	5.4E-09	7.9E-09	1.3E-08	1.1E-08
7	1E-09	4.3E-09	2.1E-09	2.4E-09	3.5E-09	3.6E-09	3.9E-09	4.9E-09	5.1E-09	3.5E-09	4.3E-09	4.3E-09	5.5E-09	8.1E-09	1.3E-08	1.2E-08
	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.
32.0 KM																
6	5E-09	3.5E-09	2.0E-09	2.0E-09	3.3E-09	3.4E-09	3.7E-09	4.4E-09	4.6E-09	3.3E-09	3.6E-09	3.5E-09	4.1E-09	6.4E-09	1.0E-08	1.2E-08
4	7E-09	2.9E-09	1.6E-09	1.6E-09	2.5E-09	2.4E-09	2.6E-09	3.1E-09	3.5E-09	2.6E-09	3.3E-09	3.0E-09	3.7E-09	5.7E-09	8.9E-09	9.4E-09
2	9E-11	9.5E-12	4.6E-12	6.1E-12	1.0E-11	1.4E-11	1.9E-11	1.7E-11	2.0E-11	8.4E-12	9.5E-12	7.8E-12	1.3E-11	1.3E-11	2.3E-11	4.5E-11
6	3E-09	3.4E-09	1.9E-09	1.9E-09	3.2E-09	3.2E-09	3.6E-09	4.3E-09	4.6E-09	3.1E-09	3.5E-09	3.4E-09	4.0E-09	6.2E-09	9.9E-09	1.1E-08
6	5E-09	3.4E-09	1.9E-09	2.0E-09	3.3E-09	3.3E-09	3.7E-09	4.4E-09	4.7E-09	3.2E-09	3.6E-09	3.5E-09	4.1E-09	6.4E-09	1.0E-08	1.2E-08
4	6E-09	2.8E-09	1.5E-09	1.5E-09	2.4E-09	2.5E-09	2.6E-09	3.1E-09	3.4E-09	2.5E-09	3.1E-09	2.9E-09	3.6E-09	5.5E-09	8.6E-09	9.1E-09
4	7E-09	2.8E-09	1.6E-09	1.5E-09	2.4E-09	2.4E-09	2.6E-09	3.1E-09	3.5E-09	2.6E-09	3.2E-09	3.0E-09	3.7E-09	5.5E-09	8.6E-09	9.3E-09
	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 1.00 CALMS LOWER LEV - 0.44
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-68 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/74 TO 05/31/75

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 08:38:24

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
40.0 KM															
4.6E-09	2.2E-09	1.3E-09	1.7E-09	2.3E-09	2.4E-09	2.6E-09	3.4E-09	3.7E-09	2.3E-09	2.6E-09	2.7E-09	3.1E-09	4.9E-09	7.1E-09	8.2E-09
3.2E-09	1.7E-09	1.0E-09	1.3E-09	1.9E-09	1.7E-09	1.9E-09	2.3E-09	2.7E-09	1.8E-09	2.3E-09	2.2E-09	2.7E-09	4.2E-09	6.0E-09	5.7E-09
1.8E-11	5.6E-12	2.8E-12	4.4E-12	7.0E-12	8.9E-12	1.2E-11	1.2E-11	1.4E-11	5.4E-12	6.1E-12	5.3E-12	8.3E-12	8.9E-12	1.4E-11	2.6E-11
4.4E-09	2.1E-09	1.3E-09	1.6E-09	2.4E-09	2.3E-09	2.5E-09	3.0E-09	3.5E-09	2.2E-09	2.4E-09	2.6E-09	2.9E-09	4.6E-09	6.8E-09	7.9E-09
4.5E-09	2.1E-09	1.3E-09	1.6E-09	2.5E-09	2.4E-09	2.6E-09	3.4E-09	3.7E-09	2.3E-09	2.5E-09	2.7E-09	3.0E-09	4.8E-09	7.0E-09	8.1E-09
3.1E-09	1.7E-09	1.0E-09	1.2E-09	1.8E-09	1.6E-09	1.7E-09	2.2E-09	2.6E-09	1.7E-09	2.2E-09	2.1E-09	2.6E-09	4.0E-09	5.7E-09	5.5E-09
3.2E-09	1.7E-09	1.0E-09	1.3E-09	1.8E-09	1.7E-09	1.8E-09	2.3E-09	2.6E-09	1.7E-09	2.2E-09	2.2E-09	2.6E-09	4.2E-09	5.9E-09	5.6E-09
40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.
48.0 KM															
3.3E-09	1.5E-09	9.6E-10	1.4E-09	2.0E-09	1.9E-09	2.0E-09	2.7E-09	3.0E-09	1.8E-09	1.9E-09	2.0E-09	2.4E-09	3.8E-09	5.1E-09	6.2E-09
2.4E-09	1.2E-09	7.7E-10	1.1E-09	1.5E-09	1.3E-09	1.4E-09	1.8E-09	2.1E-09	1.4E-09	1.7E-09	1.8E-09	2.1E-09	3.3E-09	4.2E-09	4.9E-09
1.2E-11	3.5E-12	1.8E-12	3.4E-12	5.1E-12	6.4E-12	8.6E-12	9.8E-12	1.0E-11	3.9E-12	4.1E-12	3.7E-12	6.0E-12	6.2E-12	9.4E-12	2.0E-11
3.2E-09	1.4E-09	9.1E-10	1.3E-09	1.9E-09	1.8E-09	2.0E-09	2.6E-09	2.8E-09	1.7E-09	1.8E-09	1.9E-09	2.3E-09	3.6E-09	4.8E-09	6.2E-09
3.3E-09	1.5E-09	9.4E-10	1.4E-09	2.0E-09	1.8E-09	2.0E-09	2.7E-09	3.0E-09	1.8E-09	1.9E-09	2.0E-09	2.4E-09	3.8E-09	5.0E-09	6.4E-09
2.2E-09	1.1E-09	7.3E-10	9.9E-10	1.4E-09	1.2E-09	1.3E-09	1.7E-09	2.0E-09	1.3E-09	1.6E-09	1.7E-09	1.9E-09	3.1E-09	3.9E-09	4.2E-09
2.3E-09	1.2E-09	7.6E-10	1.0E-09	1.4E-09	1.2E-09	1.3E-09	1.6E-09	2.1E-09	1.4E-09	1.7E-09	1.7E-09	2.0E-09	3.2E-09	4.1E-09	4.6E-09
48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.
56.0 KM															
2.6E-09	1.0E-09	7.5E-10	1.2E-09	1.7E-09	1.5E-09	1.7E-09	2.4E-09	2.5E-09	1.4E-09	1.5E-09	1.7E-09	2.0E-09	3.2E-09	3.8E-09	5.2E-09
1.8E-09	8.2E-10	5.8E-10	8.9E-10	1.2E-09	9.8E-10	1.1E-09	1.6E-09	1.7E-09	1.1E-09	1.3E-09	1.4E-09	1.7E-09	2.9E-09	3.1E-09	3.5E-09
8.8E-12	2.4E-12	1.4E-12	2.6E-12	3.9E-12	4.7E-12	6.5E-12	7.1E-12	8.1E-12	2.9E-12	3.4E-12	4.2E-12	4.7E-12	7.3E-12	6.6E-12	1.5E-11
2.5E-09	9.8E-10	7.0E-10	1.1E-09	1.6E-09	1.4E-09	1.6E-09	2.2E-09	2.3E-09	1.3E-09	1.4E-09	1.6E-09	1.8E-09	3.0E-09	3.6E-09	5.0E-09
2.6E-09	1.0E-09	7.3E-10	1.2E-09	1.6E-09	1.5E-09	1.6E-09	2.3E-09	2.4E-09	1.4E-09	1.5E-09	1.6E-09	1.9E-09	3.1E-09	3.6E-09	5.2E-09
1.7E-09	7.7E-10	5.5E-10	8.1E-10	1.1E-09	9.2E-10	1.0E-09	1.5E-09	1.6E-09	9.9E-10	1.2E-09	1.3E-09	1.6E-09	2.7E-09	2.9E-09	3.3E-09
1.8E-09	8.1E-10	5.7E-10	8.6E-10	1.2E-09	9.6E-10	1.1E-09	1.5E-09	1.7E-09	1.0E-09	1.3E-09	1.4E-09	1.6E-09	2.9E-09	3.0E-09	3.5E-09
56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.
64.0 KM															
2.2E-09	8.6E-10	6.0E-10	9.2E-10	1.3E-09	1.3E-09	1.3E-09	1.7E-09	1.9E-09	1.2E-09	1.2E-09	1.3E-09	1.6E-09	2.5E-09	3.4E-09	4.2E-09
1.5E-09	6.7E-10	4.6E-10	6.7E-10	9.0E-10	8.5E-10	8.4E-10	1.1E-09	1.3E-09	8.6E-10	1.1E-09	1.1E-09	1.6E-09	2.3E-09	2.7E-09	2.8E-09
6.8E-12	1.9E-12	1.1E-12	2.0E-12	2.9E-12	3.9E-12	4.8E-12	4.9E-12	6.0E-12	2.3E-12	3.1E-12	3.0E-12	4.5E-12	5.5E-12	5.5E-12	1.2E-11
2.0E-09	7.9E-10	5.5E-10	8.4E-10	1.2E-09	1.2E-09	1.2E-09	1.6E-09	1.8E-09	1.0E-09	1.1E-09	1.2E-09	1.7E-09	2.4E-09	3.2E-09	4.0E-09
2.1E-09	8.4E-10	5.8E-10	9.0E-10	1.2E-09	1.2E-09	1.3E-09	1.7E-09	1.9E-09	1.1E-09	1.2E-09	1.3E-09	1.8E-09	2.5E-09	3.3E-09	4.1E-09
1.4E-09	6.2E-10	4.3E-10	6.0E-10	8.3E-10	7.9E-10	1.0E-09	1.2E-09	1.7E-09	9.1E-10	1.0E-09	1.1E-09	1.7E-09	2.3E-09	2.6E-09	2.6E-09
1.4E-09	6.5E-10	4.5E-10	6.5E-10	8.8E-10	8.4E-10	8.2E-10	1.1E-09	1.3E-09	8.4E-10	1.1E-09	1.1E-09	1.6E-09	2.3E-09	2.6E-09	2.7E-09
64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 1.00 CALMS LOWER LEV - 0.44
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
72.0 KM															
1.8E-09	7.4E-10	5.1E-10	7.7E-10	1.1E-09	1.2E-09	1.1E-09	1.4E-09	1.5E-09	9.2E-10	1.0E-09	1.1E-09	1.7E-09	2.1E-09	3.1E-09	3.5E-09
1.2E-09	5.7E-10	3.9E-10	5.5E-10	7.5E-10	7.7E-10	6.7E-10	8.6E-10	9.9E-10	6.8E-10	9.0E-10	8.7E-10	1.5E-09	1.9E-09	2.7E-09	2.3E-09
5.3E-12	1.5E-12	9.0E-13	1.6E-12	2.4E-12	3.4E-12	3.7E-12	3.6E-12	4.3E-12	1.8E-12	2.4E-12	2.3E-12	4.0E-12	4.0E-12	7.7E-12	9.2E-12
1.6E-09	6.8E-10	4.7E-10	6.9E-10	1.0E-09	1.1E-09	1.0E-09	1.3E-09	1.4E-09	8.3E-10	9.2E-10	9.9E-10	1.6E-09	2.0E-09	2.9E-09	3.3E-09
1.7E-09	7.2E-10	5.0E-10	7.4E-10	1.1E-09	1.1E-09	1.3E-09	1.5E-09	1.8E-09	9.9E-10	1.0E-09	1.0E-09	1.7E-09	2.1E-09	3.0E-09	3.4E-09
1.1E-09	5.3E-10	3.6E-10	4.9E-10	6.9E-10	7.2E-10	6.2E-10	8.0E-10	9.1E-10	6.1E-10	8.2E-10	8.1E-10	1.4E-09	1.7E-09	2.5E-09	2.1E-09
1.2E-09	5.6E-10	3.8E-10	5.3E-10	7.3E-10	7.6E-10	6.5E-10	8.4E-10	9.7E-10	6.6E-10	8.8E-10	8.6E-10	1.4E-09	1.8E-09	2.7E-09	2.2E-09
72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.
80.0 KM															
1.1E-09	6.8E-10	4.2E-10	5.9E-10	8.9E-10	1.1E-09	9.1E-10	1.1E-09	1.2E-09	7.8E-10	8.6E-10	9.2E-10	1.5E-09	1.8E-09	2.8E-09	2.9E-09
1.0E-09	5.2E-10	3.1E-10	4.2E-10	6.0E-10	7.0E-10	5.6E-10	6.7E-10	7.7E-10	5.7E-10	7.5E-10	7.4E-10	1.4E-09	1.6E-09	2.5E-09	1.8E-09
4.5E-12	1.4E-12	7.1E-13	1.2E-12	1.8E-12	2.9E-12	3.0E-12	2.7E-12	3.3E-12	1.5E-12	1.9E-12	1.8E-12	3.7E-12	3.2E-12	6.0E-12	7.4E-12
1.4E-09	6.2E-10	3.8E-10	5.2E-10	8.1E-10	1.0E-09	8.4E-10	1.0E-09	1.1E-09	7.0E-10	7.7E-10	8.4E-10	1.4E-09	1.7E-09	2.6E-09	2.7E-09
1.5E-09	6.6E-10	4.1E-10	5.7E-10	8.7E-10	1.1E-09	8.9E-10	1.1E-09	1.2E-09	7.5E-10	8.3E-10	8.9E-10	1.5E-09	1.8E-09	2.8E-09	2.8E-09
9.2E-10	4.7E-10	2.9E-10	3.7E-10	5.5E-10	6.4E-10	5.1E-10	6.2E-10	7.0E-10	5.1E-10	6.7E-10	6.8E-10	1.2E-09	1.4E-09	2.3E-09	1.7E-09
9.8E-10	5.0E-10	3.1E-10	4.0E-10	5.8E-10	6.8E-10	5.4E-10	6.5E-10	7.5E-10	5.5E-10	7.3E-10	7.2E-10	1.3E-09	1.5E-09	2.4E-09	1.8E-09
80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 1.00 CALMS LOWER LEV - 0.44
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-69

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/74 TO 05/31/75

ANNUAL AVERAGE (MIXED MODE) — WOLF CREEK GENERATING STATION
SPECIAL PTS - T/R CORRECTED — KANSAS GAS AND ELECTRIC CO.
ONSITE METEOROLOGY — BURLINGTON, KANSAS
DATE 23-NOV-81 TIME 08:43:43 — DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
EXCLUSION BOUNDARY															
4.4E-07 1	6E-07 8	7E-08 1	3E-07 2	0E-07 3	0E-07 2	7E-07 3	0E-07 2	5E-07 1	5E-07 2	3E-07 2	4E-07 2	3C-07 3	7E-07 5	5E-07 6	5E-07
4.0E-07 1	5E-07 7	9E-08 1	2E-07 1	8E-07 2	7E-07 2	5E-07 2	9E-07 2	3E-07 1	4E-07 2	1E-07 2	2E-07 2	1E-07 3	3E-07 4	9E-07 5	9E-07
8.2E-09 2	8E-09 1	1E-09 1	7E-09 2	7E-09 4	4E-09 4	8E-09 4	6E-09 3	8E-09 1	6E-09 2	3E-09 2	2E-09 2	8E-09 2	8E-09 4	6E-09 9	5E-09
4.4E-07 1	6E-07 8	7E-08 1	3E-07 2	0E-07 3	0E-07 2	7E-07 3	0E-07 2	5E-07 1	5E-07 2	3E-07 2	4E-07 2	3C-07 3	7E-07 5	5E-07 6	5E-07
4.4E-07 1	6E-07 8	7C-08 1	3E-07 2	0E-07 3	0E-07 2	7E-07 3	3E-07 2	5E-07 1	5E-07 2	3E-07 2	4E-07 2	3C-07 3	7E-07 5	5E-07 6	5E-07
4.0E-07 1	5E-07 7	9E-08 1	2E-07 1	8E-07 2	7E-07 2	5E-07 2	9E-07 2	3E-07 1	4E-07 2	1E-07 2	2E-07 2	1E-07 3	3E-07 4	9E-07 5	8E-07
4.0E-07 1	5E-07 7	9E-08 1	2E-07 1	8E-07 2	7E-07 2	5E-07 2	9E-07 2	3E-07 1	4E-07 2	1E-07 2	2E-07 2	1E-07 3	3E-07 4	9E-07 5	8E-07
1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
LOW POPULATION ZONE															
9.3E-08 3	5E-08 2	0E-08 4	0E-08 4	6E-08 5	4E-08 5	7E-08 6	7E-08 5	9E-08 3	7E-08 4	6E-08 4	9E-08 4	9E-08 7	4E-08 1	2E-07 1	5E-07
7.9E-08 3	0E-08 1	8E-08 3	4E-08 3	9E-08 4	6E-08 4	8E-08 5	6E-08 5	0E-08 3	2E-08 3	9E-08	1E-08 4	1E-08 6	2E-08 9	7E-08 1	2E-07
1.1E-09 3	3E-10 1	5E-10 3	3E-10 4	0E-10 5	8E-10 7	1E-10 6	8E-10 6	2E-10 2	7E-10 3	2E-10 3	1E-10 4	1E-10 4	2E-10 7	1E-10 1	4E-09
9.2E-08 3	5E-08 2	0E-08 4	0E-08 4	5E-08 5	4E-08 5	6E-08 6	7E-08 5	9E-08 3	7E-08 4	5E-08 4	8E-08 4	8E-08 7	4E-08 1	2E-07 1	5E-07
9.3E-08 3	5E-08 2	0E-08 4	0E-08 4	6E-08 5	4E-08 5	7E-08 6	7E-08 5	9E-08 3	7E-08 4	6E-08 4	9E-08 4	9E-08 7	4E-08 1	2E-07 1	5E-07
7.9E-08 3	0E-08 1	8E-08 3	4E-08 3	8E-08 4	6E-08 4	7E-08 5	6E-08 5	0E-08 3	2E-08 3	9E-08 4	1E-08 4	1E-08 6	2E-08 9	6E-08 1	7E-07
7.9E-08 3	0E-08 1	8E-08 3	4E-08 3	9E-08 4	6E-08 4	8E-08 5	6E-08 5	0E-08 3	2E-08 3	9E-08 4	1E-08 4	1E-08 6	2E-08 9	6E-08 1	2E-07
4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.
NEAREST RESIDENT															
7.2E-08 5	9E-08 2	9E-08 5	1E-08 7	7E-08 1	2E-07 4	5E-08 4	3E-08 5	9E-08 4	4E-08 4	2E-08 5	7E-08 4	1E-08 1	7E-07 1	4E-07 3	1E-07
6.1E-08 5	2E-08 2	5E-08 4	5E-08 6	6E-08 1	1E-07 3	7E-08 3	6E-08 5	0E-08 3	9E-08 3	6E-08 4	9E-08 3	4E-08 1	5E-07 1	2E-07 2	7E-07
7.7E-10 6	9E-10 2	5E-10 5	1E-10 8	0E-10 1	6E-09 5	2E-10 3	8E-10 6	2E-10 3	5E-10 2	8E-10 3	8E-10 3	2E-10 1	2E-09 9	1E-10 3	9E-09
7.2E-08 5	9E-08 2	8E-08 5	1E-08 7	6E-08 1	2E-07 4	4E-08 4	3E-08 5	9E-08 4	4E-08 4	2E-08 5	7E-08 4	0E-08 1	7E-07 1	4E-07 3	1E-07
7.2E-08 5	9E-08 2	8E-08 5	1E-08 7	7E-08 1	2E-07 4	4E-08 4	3E-08 5	9E-08 4	4E-08 4	2E-08 5	7E-08 4	1E-08 1	7E-07 1	4E-07 3	1E-07
6.0E-08 5	2E-08 2	5E-08 4	5E-08 6	6E-08 1	1E-07 3	7E-08 3	5E-08 5	0E-08 3	9E-08 3	6E-08 4	8E-08 3	4E-08 1	5E-07 1	2E-07 2	7E-07
6.0E-08 5	2E-08 2	5E-08 4	5E-08 6	6E-08 1	1E-07 3	7E-08 3	6E-08 5	0E-08 3	9E-08 3	6E-08 4	8E-08 3	4E-08 1	5E-07 1	2E-07 2	7E-07
4988.	2816.	3138.	2816.	2735.	2333.	4827.	5632.	4023.	3379.	4344.	3540.	4666.	2092.	3540.	2172.
NEAREST VEGETABLE															
6.0E-08 4	5E-08 2	4E-08 5	1E-08 7	7E-08 1	2E-07 4	2E-08 4	3E-08 2	5E-08 3	1E-08 4	2E-08 5	7E-08 4	1E-08 1	5E-07 1	4E-07 3	1E-07
5.0E-08 4	0E-08 2	1E-08 4	5E-08 6	6E-08 1	1E-07 3	4E-08 3	6E-08 2	0E-08 2	7E-08 3	6E-08 4	9E-08 3	4E-08 1	3E-07 1	1E-07 2	7E-07
5.8E-10 4	8E-10 1	9E-10 5	1E-10 8	0E-10 1	6E-09 4	8E-10 3	8E-10 2	0E-10 2	1E-10 2	8E-10 3	8E-10 3	2E-10 1	0E-09 8	5E-10 3	9E-09
5.9E-08 4	5E-08 2	4E-08 5	1E-08 7	6E-08 1	2E-07 4	2E-08 4	3E-08 2	5E-08 3	1E-08 4	2E-08 5	7E-08 4	0E-08 1	5E-07 1	4E-07 3	1E-07
6.0E-08 4	5E-08 2	4E-08 5	1E-08 7	7E-08 1	2E-07 4	2E-08 4	3E-08 2	5E-08 3	1E-08 4	2E-08 5	7E-08 4	1E-08 1	5E-07 1	4E-07 3	1E-07
5.0E-08 3	9E-08 2	1E-08 4	5E-08 6	6E-08 1	1E-07 3	4E-08 3	5E-08 2	0E-08 2	7E-08 3	6E-08 4	8E-08 3	4E-08 1	3E-07 1	1E-07 2	7E-07
5.0E-08 4	0E-08 2	1E-08 4	5E-08 6	6E-08 1	1E-07 3	4E-08 3	6E-08 2	0E-08 2	7E-08 3	6E-08 4	8E-08 3	4E-08 1	3E-07 1	1E-07 2	7E-07
5792.	3379.	3540.	2816.	2735.	2333.	5149.	5632.	7401.	4827.	4344.	3540.	4666.	2253.	3620.	2172.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 1.00 CALMS LOWER LEV - 0.44
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) — ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) — ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
NEAREST MEAT ANIMAL															
4.0E-07 1	6E-07 8	6E-08 7	3E-08 1	1E-07 1	5E-07 4	2E-08 4	7E-08 3	9E-08 6	0E-08 8	1E-08 8	0E-08 3	9E-08 8	1E-08 1	6E-07 4	0E-07
3.6E-07 1	4E-07 7	8E-08 6	5E-08 9	9E-08 1	3E-07 3	4E-08 3	9E-08 3	3E-08 5	3E-08 7	1E-08 6	9E-08 3	3E-08 6	8E-08 1	3E-07 3	5E-07
7.2E-09 2	7E-09 1	1E-09 8	5E-10 1	3E-09 2	1E-09 4	6E-10 4	2E-10 3	7E-10 5	4E-10 7	0E-10 5	9E-10 3	0E-10 4	7E-10 1	0E-09 5	6E-09
4.0E-07 1	6E-07 8	6E-08 7	3E-08 1	1E-07 1	5E-07 4	2E-08 4	7E-08 3	9E-08 6	0E-08 8	1E-08 8	0E-08 3	9E-08 8	1E-08 1	6E-07 4	0E-07
4.0E-07 1	6E-07 8	6E-08 7	3E-08 1	1E-07 1	5E-07 4	2E-08 4	7E-08 3	9E-08 6	0E-08 8	1E-08 8	0E-08 3	9E-08 8	1E-08 1	6E-07 4	0E-07
3.6E-07 1	4E-07 7	7E-08 6	5E-08 9	9E-08 1	3E-07 3	4E-08 3	9E-08 3	3E-08 5	3E-08 7	1E-08 6	9E-08 3	3E-08 6	7E-08 1	3E-07 3	5E-07
3.6E-07 1	4E-07 7	8E-08 6	5E-08 9	9E-08 1	3E-07 3	4E-08 3	9E-08 3	3E-08 5	3E-08 7	1E-08 6	9E-08 3	3E-08 6	8E-08 1	3E-07 3	5E-07
1207.	1207.	1207.	1931.	2011.	1931.	5149.	5310.	5310.	2574.	2414.	2735.	4827.	3701.	3218.	1770.
NEAREST DAIRY COW															
4.4E-08 2	8E-09	5	1E-08 1	1E-07 1	5E-07 3	1E-08			2.3E-08			5	5E-08 1	6E-07	
3.6E-08 2	4E-08	4	5E-08 9	9E-08 1	3E-07 2	5E-08			1.9E-08			4	5E-08 1	3E-07	
3.8E-10 2	3E-10	NONE 5	1E-10 1	3E-09 2	1E-09 3	2E-10	NONE	NONE	NONE 1	2E-10	NONE	NONE 2	6E-10 1	0E-09	NONE
4.4E-08 2	8E-08	IN 5	1E-08 1	1E-07 1	5E-07 3	1E-08	IN	IN	IN 2	3E-08	IN	IN 5	4E-08 1	6E-07	IN
4.4E-08 2	8E-08	THIS 5	1E-08 1	1E-07 1	5E-07 3	1E-08	THIS	THIS	THIS 2	3E-08	THIS	THIS 5	5E-08 1	6E-07	THIS
3.6E-08 2	4E-08	SECTOR 4	5E-08 9	9E-08 1	3E-07 2	5E-08	SECTOR	SECTOR	SECTOR	9E-08	SECTOR	SECTOR 4	4E-08 1	3E-07	SECTOR
3.6E-08 2	4E-08	4	5E-08 9	9E-08 1	3E-07 2	5E-08			1.9E-08			4	5E-08 1	3E-07	
7562.	4827.		2816.	2011.	1931.	6436.			7562.				5632.	3218.	
NEAREST PLANT BOUNDARY															
2.6E-07 8	9E-08 4	2E-08 7	3E-08 1	1E-07 1	7E-07 4	5E-08 4	7E-08 8	7E-08 6	4E-08 8	1E-08 7	5E-08 6	0E-08 7	2E-08 2	3E-07 4	1E-07
2.3E-07 7	9E-08 3	7E-08 6	5E-08 1	0E-07 1	5E-07 3	7E-08 3	9E-08 7	6E-08 5	6E-08 7	1E-08 6	5E-08 5	1E-08 6	0E-08 2	0E-07 3	6E-07
4.4E-09 1	2E-09 4	1E-10 8	5E-10 1	3E-09 2	2E-09 5	2E-10 4	2E-10 1	1E-09 5	8E-10 7	0E-10 5	5E-10 5	4E-10 4	0E-10 1	7E-09 5	5E-09
2.6E-07 8	8E-08 4	2E-08 7	3E-08 1	1E-07 1	7E-07 4	4E-08 4	7E-08 8	7E-08 6	3E-08 8	1E-08 7	5E-08 5	9E-08 7	2E-08 2	3E-07 4	1E-07
2.6E-07 8	9E-08 4	2E-08 7	3E-08 1	1E-07 1	7E-07 4	4E-08 4	7E-08 8	7E-08 6	4E-08 8	1E-08 7	5E-06 6	0E-08 7	2E-08 2	3E-07 4	1E-07
2.3E-07 7	9E-08 3	7E-08 6	5E-08 1	0E-07 1	5E-07 3	7E-08 3	9E-08 7	6E-08 5	6E-08 7	1E-08 6	5E-08 5	1E-08 6	0E-08 2	0E-07 3	6E-07
2.3E-07 7	9E-08 3	7E-08 6	5E-08 1	0E-07 1	5E-07 3	7E-08 3	9E-08 7	6E-08 5	6E-08 7	1E-08 6	5E-08 5	1E-08 6	0E-08 2	0E-07 3	6E-07
1754.	2076.	2363.	1931.	1931.	1866.	4827.	5310.	2767.	2478.	2414.	2880.	3379.	4193.	2349.	1738.

TOTAL OBS - 8760 TOTAL INV OBS - 166 CALMS UPPER LEVEL - 1.00 CALMS LOWER LEV - 0.44
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) — ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) — ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS — ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-70

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 03/05/79 TO 03/04/80

ANNUAL AVERAGE (GROUND)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 14:34:25

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTOR:

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
0.4 KM																
6	8E-06	3.2E-06	3.7E-06	6.9E-06	4.8E-06	5.3E-06	4.8E-06	5.1E-06	4.8E-06	5.6E-06	6.1E-06	6.2E-06	6.5E-06	9.0E-06	1.1E-05	1.5E-05
6	5E-06	3.0E-06	3.5E-06	6.5E-06	4.6E-06	5.0E-06	4.5E-06	4.9E-06	4.5E-06	5.3E-06	5.9E-06	6.2E-06	8.5E-06	1.0E-05	1.3E-05	
5	6E-08	1.8E-08	1.5E-08	3.2E-08	1.8E-08	2.2E-08	3.6E-08	3.9E-08	3.2E-08	2.8E-08	3.0E-08	2.7E-08	3.2E-08	4.7E-08	9.7E-08	
6	9E-06	3.2E-06	3.7E-06	6.9E-06	4.8E-06	5.3E-06	4.8E-06	5.1E-06	4.8E-06	5.6E-06	6.1E-06	6.2E-06	6.5E-06	9.0E-06	1.1E-05	1.5E-05
6	8E-06	3.2E-06	3.7E-06	6.9E-06	4.8E-06	5.3E-06	4.8E-06	5.1E-06	4.8E-06	5.6E-06	6.1E-06	6.2E-06	6.5E-06	9.0E-06	1.1E-05	1.5E-05
6	5E-06	3.0E-06	3.5E-06	6.5E-06	4.6E-06	5.0E-06	4.5E-06	4.9E-06	4.5E-06	5.3E-06	5.9E-06	6.2E-06	8.5E-06	1.0E-05	1.3E-05	
6	5E-06	3.0E-06	3.5E-06	6.5E-06	4.6E-06	5.0E-06	4.5E-06	4.9E-06	4.5E-06	5.3E-06	5.9E-06	6.2E-06	8.5E-06	1.0E-05	1.3E-05	
	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.
0.8 KM																
2	2E-06	1.0E-06	1.2E-06	2.1E-06	1.7E-06	1.7E-06	1.4E-06	1.8E-06	1.5E-06	1.8E-06	1.9E-06	2.2E-06	2.1E-06	3.0E-06	3.5E-06	4.2E-06
2	0E-06	9.5E-07	1.1E-06	1.9E-06	1.5E-06	1.5E-06	1.3E-06	1.6E-06	1.4E-06	1.6E-06	1.8E-06	2.0E-06	2.0E-06	2.7E-06	3.2E-06	3.8E-06
1	9E-08	6.3E-09	5.0E-09	1.0E-08	6.8E-09	7.4E-09	1.1E-08	1.4E-08	1.1E-08	9.4E-09	9.3E-09	1.1E-08	9.6E-09	1.1E-08	1.7E-08	3.2E-08
2	2E-06	1.0E-06	1.2E-06	2.1E-06	1.7E-06	1.6E-06	1.4E-06	1.8E-06	1.5E-06	1.8E-06	1.9E-06	2.2E-06	2.1E-06	3.0E-06	3.5E-06	4.2E-06
2	2E-06	1.0E-06	1.2E-06	2.1E-06	1.6E-06	1.7E-06	1.4E-06	1.8E-06	1.5E-06	1.8E-06	1.9E-06	2.2E-06	2.1E-06	3.0E-06	3.5E-06	4.2E-06
2	0E-06	9.5E-07	1.1E-06	1.9E-06	1.5E-06	1.5E-06	1.3E-06	1.6E-06	1.4E-06	1.6E-06	1.8E-06	2.0E-06	2.0E-06	2.7E-06	3.2E-06	3.8E-06
2	0E-06	9.5E-07	1.1E-06	1.9E-06	1.5E-06	1.5E-06	1.3E-06	1.6E-06	1.4E-06	1.6E-06	1.8E-06	2.0E-06	2.0E-06	2.7E-06	3.2E-06	3.8E-06
	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
1.2 KM																
1	1E-06	5.4E-07	5.9E-07	9.7E-07	8.5E-07	8.7E-07	7.3E-07	9.1E-07	8.0E-07	9.3E-07	9.9E-07	1.3E-06	1.1E-06	1.5E-06	1.8E-06	2.2E-06
9	8E-07	4.8E-07	5.3E-07	8.7E-07	7.6E-07	7.8E-07	6.5E-07	8.1E-07	7.1E-07	8.3E-07	8.9E-07	1.1E-06	9.4E-07	1.4E-06	1.6E-06	1.9E-06
9	6E-09	3.2E-09	2.5E-09	4.7E-09	3.5E-09	3.8E-09	5.6E-09	7.1E-09	5.4E-09	4.8E-09	4.7E-09	6.3E-09	4.6E-09	5.9E-09	8.4E-09	1.6E-08
1	1E-06	5.4E-07	5.9E-07	9.7E-07	8.5E-07	8.7E-07	7.3E-07	9.1E-07	8.0E-07	9.3E-07	9.9E-07	1.3E-06	1.1E-06	1.5E-06	1.8E-06	2.2E-06
1	1E-06	5.4E-07	5.9E-07	9.7E-07	8.5E-07	8.7E-07	7.3E-07	9.1E-07	8.0E-07	9.3E-07	9.9E-07	1.3E-06	1.1E-06	1.5E-06	1.8E-06	2.2E-06
9	8E-07	4.8E-07	5.3E-07	8.6E-07	7.6E-07	7.7E-07	6.5E-07	8.1E-07	7.1E-07	8.3E-07	8.9E-07	1.1E-06	9.4E-07	1.4E-06	1.6E-06	1.9E-06
9	8E-07	4.8E-07	5.3E-07	8.7E-07	7.6E-07	7.7E-07	6.5E-07	8.1E-07	7.1E-07	8.3E-07	8.9E-07	1.1E-06	9.4E-07	1.4E-06	1.6E-06	1.9E-06
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
1.6 KM																
7	4E-07	3.7E-07	4.1E-07	5.9E-07	5.4E-07	5.8E-07	4.8E-07	5.7E-07	5.2E-07	6.0E-07	6.3E-07	7.8E-07	7.0E-07	1.0E-06	1.2E-06	1.5E-06
6	5E-07	3.2E-07	3.6E-07	5.1E-07	4.8E-07	5.0E-07	4.2E-07	5.0E-07	4.6E-07	5.2E-07	5.5E-07	6.8E-07	6.1E-07	8.9E-07	1.0E+06	1.3E-06
6	7E-09	2.1F-09	1.7E-09	2.8E-09	2.2E-09	2.5E-09	3.6E-09	4.3E-09	3.4E-09	3.4E-09	3.0E-09	2.9E-09	3.8E-09	3.0E-09	3.8E-09	5.4E-09
7	4E-07	3.7E-07	4.1E-07	5.9E-07	5.4E-07	5.7E-07	4.8E-07	5.7E-07	5.2E-07	6.0E-07	6.3E-07	7.8E-07	7.0E-07	1.0E-06	1.2E-06	1.5E-06
7	4E-07	3.7E-07	4.1E-07	5.9E-07	5.8E-07	5.7E-07	4.8E-07	5.7E-07	5.2E-07	6.0E-07	6.3E-07	7.8E-07	7.0E-07	1.0E-06	1.2E-06	1.5E-06
6	4E-07	3.2E-07	3.5E-07	5.1E-07	4.8E-07	5.0E-07	4.2E-07	5.0E-07	4.6E-07	5.2E-07	5.5E-07	6.8E-07	6.1E-07	8.8E-07	1.0E+06	1.3E-06
6	5E-07	3.2E-07	3.6E-07	5.1E-07	4.7E-07	5.0E-07	4.2E-07	5.0E-07	4.6E-07	5.2E-07	5.5E-07	6.8E-07	6.1E-07	8.9E-07	1.0E+06	1.3E-06
	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
2.4 KM																
4	2E-07	2.1E-07	2.4E-07	3.0E-07	2.9E-07	3.2E-07	2.7E-07	2.9E-07	2.9E-07	3.3E-07	3.4E-07	4.1E-07	3.7E-07	5.5E-07	6.3E-07	7.6E-07
3	6E-07	1.8E-07	2.0E-07	2.5E-07	2.5E-07	2.7E-07	2.3E-07	2.5E-07	2.4E-07	2.8E-07	2.9E-07	3.4E-07	3.1E-07	4.7E-07	5.3E-07	6.4E-07
3	4E-09	1.1E-09	8.9E-10	1.3E-09	1.1E-09	1.3E-09	1.9E-09	2.1E-09	1.8E-09	1.5E-09	1.4E-09	1.8E-09	1.5E-09	1.9E-09	2.6E-09	5.0E-09
4	2E-07	2.1E-07	2.4E-07	2.9E-07	2.9E-07	3.2E-07	2.7E-07	2.9E-07	2.9E-07	3.3E-07	3.4E-07	4.1E-07	3.7E-07	5.5E-07	6.3E-07	7.5E-07
4	2E-07	2.1E-07	2.4E-07	3.0E-07	2.9E-07	3.2E-07	2.7E-07	2.9E-07	2.9E-07	3.3E-07	3.4E-07	4.1E-07	3.7E-07	5.5E-07	6.3E-07	7.6E-07
3	6E-07	1.8E-07	2.0E-07	2.5E-07	2.5E-07	2.7E-07	2.3E-07	2.5E-07	2.4E-07	2.8E-07	2.9E-07	3.4E-07	3.1E-07	4.6E-07	5.3E-07	6.4E-07
3	6E-07	1.8E-07	2.0E-07	2.5E-07	2.5E-07	2.7E-07	2.3E-07	2.5E-07	2.4E-07	2.8E-07	2.9E-07	3.4E-07	3.1E-07	4.6E-07	5.3E-07	6.4E-07
	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.
3.2 KM																
2	7E-07	1.4E-07	1.4E-07	1.9E-07	2.0E-07	2.1E-07	1.9E-07	2.0E-07	2.0E-07	2.1E-07	2.3E-07	2.5E-07	2.7E-07	3.7E-07	4.4E-07	5.0E-07
2	2E-07	1.1E-07	1.2E-07	1.6E-07	1.6E-07	1.6E-07	1.4E-07	1.6E-07	1.7E-07	1.8E-07	1.9E-07	2.1E-07	2.2E-07	3.1E-07	3.6E-07	4.1E-07
2	0E-09	7.1E-10	5.1E-10	8.0E-10	7.0E-10	7.7E-10	1.2E-09	1.3E-09	1.1E-09	9.2E-10	9.1E-10	1.1E-09	1.0E-09	1.2E-09	1.7E-09	3.1E-09
2	6E-07	1.4E-07	1.4E-07	1.9E-07	2.0E-07	2.0E-07	1.9E-07	2.0E-07	2.0E-07	2.0E-07	2.2E-07	2.5E-07	2.7E-07	3.7E-07	4.4E-07	5.0E-07
2	7E-07	1.4E-07	1.4E-07	1.9E-07	2.0E-07	2.0E-07	1.9E-07	2.0E-07	2.0E-07	2.0E-07	2.2E-07	2.5E-07	2.7E-07	3.7E-07	4.4E-07	5.0E-07
2	2E-07	1.1E-07	1.2E-07	1.6E-07	1.6E-07	1.6E-07	1.4E-07	1.6E-07	1.6E-07	1.7E-07	1.9E-07	2.1E-07	2.2E-07	3.0E-07	3.6E-07	4.1E-07
2	2E-07	1.1E-07	1.2E-07	1.6E-07	1.6E-07	1.7E-07	1.4E-07	1.6E-07	1.6E-07	1.7E-07	1.9E-07	2.1E-07	2.2E-07	3.0E-07	3.6E-07	4.1E-07
	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.
4.0 KM																
1	9E-07	9.4E-08	1.0E-07	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.8E-07	1.7E-07	2.1E-07	2.6E-07	3.2E-07	3.6E-07
1	5E-07	7.6E-08	8.0E-08	1.1E-07	1.2E-07	1.2E-07	1.1E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07	1.4E-07	1.7E-07	2.1E-07	2.6E-07	2.9E-07
1	3E-09	4.5E-10	3.3E-10	5.4E-10	4.9E-10	5.2E-10	8.6E-10	9.2E-10	7.9E-10	6.5E-10	6.8E-10	7.0E-10	7.7E-10	1.1E-09	2.1E-09	
1	9E-07	9.3E-08	9.9E-08	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.8E-07	1.7E-07	2.1E-07	2.6E-07	3.2E-07	3.6E-07
1	9E-07	9.4E-08	9.9E-08	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.5E-07	1.5E-07	1.5E-07	1.8E-07	1.7E-07	2.1E-07	2.6E-07	3.2E-07	3.6E-07
1	5E-07	7.5E-08	7.9E-08	1.1E-07	1.2E-07	1.2E-07	1.1E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07	1.4E-07	1.7E-07	2.1E-07	2.5E-07	2.9E-07
1	5E-07	7.5E-08	8.0E-08	1.1E-07	1.2E-07	1.2E-07	1.1E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07	1.4E-07	1.7E-07	2.1E-07	2.6E-07	2.9E-07
	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.
4.8 KM																
1	5E-07	7.1E-08	7.2E-08	9.7E-08	1.1E-07	1.1E-07	1.1E-07	1.2E-07	1.1E-07	1.2E-07	1.4E-07	1.4E-07	1.6E-07	2.1E-07	2.5E-07	2.9E-07
1	2E-07	5.6E-08	5.7E-08	7.6E-08	9.0E-08	8.9E-08	8.3E-08	9.1E-08	8.6E-08	9.2E-08	1.1E-07	1.1E-07	1.3E-07	1.7E-07	2.0E-07	2.3E-07
9	9E-10	3.2E-10	2.2E-10	3.5E-10	3.4E-10	3.6E-10	6.1E-10	6.9E-10	5.6E-10	4.6E-10	4.8E-10	5.2E-10	5.1E-10	9.5E-10	1.6E-09	
1	5E-07	7.0E-08	7.1E-08	9.5E-08	1.1E-07	1.1E-07	1.0E-07	1.1E-07	1.1E-07	1.2E-07	1.4E-07	1.4E-07	1.6E-07	2.1E-07	2.5E-07	2.8E-07
1	5E-07	7.1E-08	7.2E-08	9.6E-08	1.1E-07	1.1E-07	1.1E-07	1.2E-07	1.1E-07	1.2E-07	1.4E-07	1.4E-07	1.6E-07	2.1E-07	2.5E-07	2.8E-07
1	2E-07	5.5E-08	5.6E-08	7.6E-08	8.9E-08	8.8E-08	8.2E-08	9.0E-08	8.5E-08	9.1E-08	1.1E-07	1.1E-07	1.3E-07	1.7E-07	2.0E-07	2.2E-07
1	2E-07	5.6E-08	5.6E-08	7.6E-08	9.0E-08	8.8E-08	8.2E-08	9.0E-08	8.5E-08	9.1E-08	1.1E-07	1.1E-07	1.3E-07	1.7E-07	2.0E-07	2.2E-07
	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-70 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 03/05/79 TO 03/04/80

ANNUAL AVERAGE (GROUND)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 14:04:25

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO
BURLINGTON, KANSAS
BARES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
5.6 KM																
	1.3E-07	5.6E-08	5.5E-08	7.1E-08	9.2E-08	8.3E-08	8.4E-08	9.9E-08	9.5E-08	9.8E-08	1.1E-07	1.2E-07	1.3E-07	1.8E-07	2.1E-07	2.3E-07
	9.7E-08	4.3E-08	4.2E-08	5.5E-08	7.1E-08	6.4E-08	6.5E-08	7.7E-08	7.3E-08	7.5E-08	8.6E-08	9.0E-08	1.0E-07	1.4E-07	1.6E-07	1.8E-07
	8.0E-10	2.4E-10	1.6E-10	2.4E-10	2.6E-10	2.5E-10	4.7E-10	5.6E-10	4.6E-10	3.6E-10	3.7E-10	4.1E-10	3.9E-10	4.6E-10	6.7E-10	1.2E-09
	1.3E-07	5.5E-08	5.4E-08	7.0E-08	9.1E-08	8.2E-08	8.4E-08	9.8E-08	9.4E-08	9.6E-08	1.1E-07	1.2E-07	1.3E-07	1.8E-07	2.1E-07	2.3E-07
	1.3E-07	5.6E-08	5.4E-08	7.0E-08	9.2E-08	8.2E-08	8.4E-08	9.9E-08	9.3E-08	9.7E-08	1.1E-07	1.2E-07	1.3E-07	1.8E-07	2.1E-07	2.3E-07
	9.6E-08	4.3E-08	4.2E-08	5.4E-08	7.0E-08	6.3E-08	6.5E-08	7.6E-08	7.3E-08	7.5E-08	8.5E-08	8.9E-08	1.0E-07	1.4E-07	1.6E-07	1.8E-07
	9.7E-08	4.3E-08	4.2E-08	5.5E-08	7.1E-08	6.4E-08	6.5E-08	7.7E-08	7.3E-08	7.5E-08	8.5E-08	9.0E-08	1.0E-07	1.4E-07	1.6E-07	1.8E-07
		5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.
6.4 KM																
	1.0E-07	4.6E-08	4.3E-08	6.0E-08	7.9E-08	7.0E-08	6.9E-08	8.2E-08	7.4E-08	8.0E-08	9.3E-08	1.0E-07	1.1E-07	1.5E-07	1.7E-07	1.9E-07
	7.7E-08	3.5E-08	3.3E-08	4.5E-08	6.0E-08	5.3E-08	5.3E-08	6.3E-08	5.6E-08	6.1E-08	7.1E-08	7.7E-08	8.3E-08	1.1E-07	1.3E-07	1.4E-07
	1.1E-10	1.9E-10	1.2E-10	2.0E-10	2.1E-10	2.0E-10	3.7E-10	4.5E-10	3.4E-10	2.9E-10	2.9E-10	3.4E-10	3.1E-10	3.6E-10	5.2E-10	9.3E-10
	9.9E-08	4.6E-08	4.2E-08	5.9E-08	7.7E-08	6.9E-08	6.9E-08	8.2E-08	7.3E-08	7.9E-08	9.2E-08	1.0E-07	1.1E-07	1.5E-07	1.7E-07	1.9E-07
	1.0E-07	4.6E-08	4.3E-08	5.9E-08	7.6E-08	6.9E-08	6.9E-08	8.2E-08	7.3E-08	8.0E-08	9.3E-08	1.0E-07	1.1E-07	1.5E-07	1.7E-07	1.9E-07
	7.6E-08	3.5E-08	3.2E-08	4.5E-08	5.9E-08	5.2E-08	5.2E-08	6.2E-08	5.6E-08	6.0E-08	7.0E-08	7.6E-08	8.2E-08	1.1E-07	1.3E-07	1.4E-07
	7.6E-08	3.5E-08	3.2E-08	4.5E-08	6.0E-08	5.3E-08	5.3E-08	6.3E-08	5.6E-08	6.1E-08	7.1E-08	7.6E-08	8.3E-08	1.1E-07	1.3E-07	1.4E-07
		6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.
7.2 KM																
	8.5E-08	3.9E-08	3.4E-08	5.1E-08	6.7E-08	6.0E-08	5.8E-08	7.1E-08	5.9E-08	6.8E-08	8.1E-08	8.6E-08	9.4E-08	1.2E-07	1.5E-07	1.6E-07
	6.4E-08	2.9E-08	2.6E-08	3.9E-08	5.0E-08	4.5E-08	4.4E-08	5.3E-08	4.4E-08	5.1E-08	6.0E-08	6.5E-08	7.0E-08	9.0E-08	1.1E-07	1.2E-07
	5.0E-10	1.5E-10	9.0E-11	1.6E-10	1.7E-10	1.6E-10	3.0E-10	3.7E-10	2.6E-10	2.3E-10	2.4E-10	2.8E-10	2.6E-10	2.8E-10	4.4E-10	7.6E-10
	8.4E-08	3.8E-08	3.4E-08	5.1E-08	6.6E-08	5.9E-08	5.8E-08	7.0E-08	5.9E-08	6.7E-08	7.9E-08	8.5E-08	9.3E-08	1.2E-07	1.5E-07	1.6E-07
	8.5E-08	3.9E-08	3.4E-08	5.1E-08	6.7E-08	6.0E-08	5.8E-08	7.0E-08	5.9E-08	6.7E-08	8.0E-08	8.6E-08	9.4E-08	1.2E-07	1.5E-07	1.6E-07
	6.3E-08	2.9E-08	2.5E-08	3.8E-08	5.0E-08	4.4E-08	4.3E-08	5.2E-08	4.4E-08	5.0E-08	5.9E-08	6.4E-08	6.9E-08	8.9E-08	1.1E-07	1.2E-07
	6.4E-08	2.9E-08	2.5E-08	3.8E-08	5.0E-08	4.3E-08	4.4E-08	5.3E-08	4.4E-08	5.1E-08	6.0E-08	6.5E-08	7.0E-08	8.9E-08	1.1E-07	1.2E-07
		7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.
8.0 KM																
	7.4E-08	3.5E-08	2.8E-08	4.5E-08	6.0E-08	5.3E-08	5.1E-08	6.2E-08	5.0E-08	5.9E-08	7.1E-08	7.6E-08	8.2E-08	1.0E-07	1.3E-07	1.4E-07
	5.5E-08	2.6E-08	2.0E-08	3.3E-08	4.4E-08	3.9E-08	3.7E-08	4.5E-08	3.7E-08	4.4E-08	5.2E-08	5.6E-08	6.0E-08	7.6E-08	9.8E-08	1.0E-07
	4.1E-10	1.3E-10	7.0E-11	1.3E-10	1.5E-10	1.4E-10	2.5E-10	3.1E-10	2.1E-10	1.9E-10	2.1E-10	2.3E-10	2.1E-10	2.3E-10	3.7E-10	6.2E-10
	7.3E-08	3.4E-08	2.7E-08	4.4E-08	5.8E-08	5.2E-08	5.0E-08	6.1E-08	4.9E-08	5.8E-08	6.9E-08	7.5E-08	8.0E-08	1.0E-07	1.3E-07	1.3E-07
	7.3E-08	3.4E-08	2.7E-08	4.4E-08	5.9E-08	5.3E-08	5.0E-08	6.1E-08	5.0E-08	5.9E-08	7.0E-08	7.6E-08	8.1E-08	1.0E-07	1.3E-07	1.3E-07
	5.4E-08	2.5E-08	2.0E-08	3.2E-08	4.3E-08	3.8E-08	3.7E-08	4.5E-08	3.6E-08	4.3E-08	5.1E-08	5.5E-08	5.9E-08	7.7E-08	9.9E-08	9.9E-08
	5.4E-08	2.5E-08	2.0E-08	3.2E-08	4.4E-08	3.9E-08	3.7E-08	4.5E-08	3.7E-08	4.4E-08	5.2E-08	5.6E-08	6.0E-08	7.6E-08	9.5E-08	1.0E-07
		8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
12.0 KM																
	3.7E-08	2.0E-08	1.5E-08	2.3E-08	3.5E-08	3.0E-08	2.7E-08	3.6E-08	3.1E-08	3.0E-08	4.0E-08	4.3E-08	4.7E-08	5.9E-08	7.3E-08	8.3E-08
	2.6E-08	1.4E-08	1.1E-08	1.6E-08	2.4E-08	2.1E-08	1.9E-08	2.5E-08	2.2E-08	2.1E-08	2.8E-08	3.0E-08	3.3E-08	4.1E-08	5.1E-08	5.8E-08
	1.8E-10	6.3E-11	3.3E-11	5.8E-11	7.2E-11	6.6E-11	1.1E-10	1.5E-10	1.1E-10	8.3E-11	1.0E-10	1.1E-10	1.0E-10	1.1E-10	1.7E-10	3.2E-10
	3.7E-08	1.9E-08	1.5E-08	2.2E-08	3.4E-08	2.9E-08	2.7E-08	3.5E-08	3.1E-08	2.9E-08	3.9E-08	4.2E-08	4.6E-08	5.7E-08	7.1E-08	8.1E-08
	3.7E-08	1.9E-08	1.5E-08	2.3E-08	3.5E-08	3.0E-08	2.7E-08	3.5E-08	3.1E-08	3.0E-08	4.0E-08	4.2E-08	4.7E-08	5.8E-08	7.2E-08	8.3E-08
	2.5E-08	1.3E-08	1.0E-08	1.5E-08	2.4E-08	2.0E-08	1.9E-08	2.4E-08	2.1E-08	2.0E-08	2.7E-08	2.9E-08	3.2E-08	4.0E-08	5.0E-08	5.7E-08
	2.6E-08	1.4E-08	1.1E-08	1.6E-08	2.4E-08	2.1E-08	1.9E-08	2.5E-08	2.2E-08	2.1E-08	2.8E-08	3.0E-08	3.2E-08	4.1E-08	5.0E-08	5.7E-08
		12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.
16.0 KM																
	2.3E-08	1.3E-08	9.8E-09	1.5E-08	2.3E-08	2.1E-08	1.8E-08	2.5E-08	2.3E-08	1.9E-08	2.6E-08	2.8E-08	3.1E-08	3.9E-08	4.7E-08	5.9E-08
	1.6E-08	8.4E-09	6.5E-09	9.7E-09	1.6E-08	1.4E-08	1.2E-08	1.6E-08	1.5E-08	1.2E-08	1.8E-08	1.9E-08	2.1E-08	2.6E-08	3.2E-08	3.9E-08
	1.0E-10	3.6E-11	1.9E-11	3.3E-11	4.2E-11	3.9E-11	6.5E-11	9.4E-11	7.2E-11	4.6E-11	5.9E-11	6.4E-11	6.0E-11	6.4E-11	9.8E-11	2.0E-10
	2.3E-08	1.2E-08	9.4E-09	1.4E-08	2.3E-08	2.0E-08	1.7E-08	2.4E-08	2.2E-08	1.8E-08	2.6E-08	2.5E-08	2.7E-08	3.0E-08	3.8E-08	4.6E-08
	2.3E-08	1.2E-08	9.7E-09	1.4E-08	2.3E-08	2.0E-08	1.8E-08	2.4E-08	2.2E-08	1.8E-08	2.6E-08	2.6E-08	2.9E-08	3.1E-08	3.9E-08	4.7E-08
	1.5E-08	8.1E-09	6.3E-09	9.3E-09	1.5E-08	1.3E-08	1.1E-08	1.6E-08	1.5E-08	1.2E-08	1.7E-08	1.8E-08	2.0E-08	2.5E-08	3.1E-08	3.8E-08
	1.5E-08	8.3E-09	6.5E-09	9.6E-09	1.5E-08	1.4E-08	1.2E-08	1.6E-08	1.5E-08	1.2E-08	1.7E-08	1.8E-08	2.0E-08	2.6E-08	3.1E-08	3.9E-08
		16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.
24.0 KM																
	1.3E-08	7.2E-09	5.5E-09	7.9E-09	1.2E-08	1.1E-08	9.5E-09	1.1E-08	1.2E-08	1.0E-08	1.4E-08	1.4E-08	1.8E-08	2.3E-08	2.9E-08	3.4E-08
	7.8E-09	4.4E-09	3.4E-09	4.9E-09	7.3E-09	7.0E-09	5.6E-09	7.0E-09	7.3E-09	6.3E-09	8.7E-09	8.9E-09	1.1E-08	1.4E-08	1.8E-08	2.1E-08
	4.5E-11	1.7E-11	8.5E-12	1.5E-11	1.7E-11	1.8E-11	2.9E-11	3.6E-11	3.1E-11	2.1E-11	2.6E-11	2.6E-11	2.7E-11	2.6E-11	3.1E-11	4.9E-11
	1.2E-08	6.7E-09	5.2E-09	7.5E-09	1.1E-08	1.1E-08	9.1E-09	1.1E-08	1.1E-08	9.6E-09	1.3E-08	1.4E-08	1.7E-08	2.2E-08	2.8E-08	3.3E-08
	1.3E-08	7.1E-09	5.4E-09	7.8E-09	1.2E-08	1.1E-08	9.4E-09	1.1E-08	1.2E-08	1.0E-08	1.4E-08	1.4E-08	1.7E-08	2.2E-08	2.9E-08	3.3E-08
	7.4E-09	4.1E-09	3.2E-09	4.6E-09	6.9E-09	6.7E-09	5.6E-09	6.7E-09	7.0E-09	6.0E-09	8.3E-09	8.4E-09	1.0E-08	1.3E-08	1.7E-08	2.0E-08
	7.7E-09	4.3E-09	3.3E-09	4.8E-09	7.2E-09	6.9E-09	5.8E-09	6.9E-09	7.2E-09	6.2E-09	8.6E-09	8.7E-09	1.1E-08	1.4E-08	1.8E-08	2.0E-08
		24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.
32.0 KM																
	6.7E-09	4.7E-09	3.7E-09	5.2E-09	7.2E-09	7.4E-09	6.5E-09	6.9E-09	7.9E-09	7.1E-09	9.2E-09	9.6E-09	1.2E-08	1.5E-08	2.0E-08	2.3E-08
	5.0E-09	2.7E-09	2.1E-09	3.0E-09	4.2E-09	4.3E-09	3.7E-09	4.0E-09	4.6E-09	4.1E-09	5.3E-09	5.5E-09	6.7E-09	8.7E-09	1.2E-08	1.3E-08
	2.6E-11	9.6E-12	4.8E-12	8.2E-12	9.9E-12	9.7E-12	1.7E-11	1.9E-11	1.8E-11	1.3E-11	1.4E-11	1.6E-11	1.6E-11	1.7E-11	2.9E-11	5.6E-11
	8.1E-09	4.3E-09	3.4E-09	4.8E-09	6.6E-09	6.9E-09	6.9E-09	7.6E-09	8.5E-09	7.6E-09	9.7E-09	1.0E-08	1.3E-08	1.6E-08	2.1E-08	2.3E-08
	5.5E-09	3.1E-09	2.4E-09	3.4E-09	4.8E-09	4.9E-09	4.3E-09	4.6E-09	5.2E-09	4.7E-09	6.1E-09	6.3E-09	7.7E-09	9.9E-09	1.3E-08	1.5E-08
	4.7E-09	2.5E-09	1.9E-09	2.8E-09	3.8E-09	4.0E-09	3.5E-09	3.8E-09	4.4E-09	3.9E-09	4.9E-09	5.2E-09	6.2E-09	8.1E-09	1.1E-08	1.3E-08
	4.9E-09	2.7E-09	2.1E-09	3.0E-09	4.1E-09	4.2E-09	3.7E-09	3.9E-09	4.5E-09	4.1E-09	5.2E-09	5.5E-09	6.6E-09	8.5E-09	1.1E-08	1.3E-08
		32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-70 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 03/05/79 TO 03/04/80

ANNUAL AVERAGE (GROUND)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 14:34:25

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
40.0 KM															
6.1E-09	2.7E-09	2.2E-09	4.1E-09	5.5E-09	4.9E-09	4.3E-09	5.1E-09	5.6E-09	4.7E-09	6.2E-09	6.5E-09	8.1E-09	1.1E-08	1.3E-08	1.7E-08
3.6E-09	1.5E-09	1.2E-09	2.3E-09	3.0E-09	2.7E-09	2.4E-09	2.8E-09	3.1E-09	2.6E-09	3.4E-09	3.6E-09	4.4E-09	5.8E-09	7.1E-09	9.5E-09
1.7E-11	4.9E-12	2.5E-12	5.6E-12	6.0E-12	5.7E-12	9.9E-12	1.2E-11	1.1E-11	7.2E-12	8.6E-12	9.3E-12	9.6E-12	1.1E-11	1.6E-11	3.7E-11
5.9E-09	2.5E-09	2.0E-09	3.7E-09	5.0E-09	4.5E-09	4.0E-09	4.8E-09	5.3E-09	4.4E-09	5.8E-09	6.1E-09	7.9E-09	1.0E-08	1.3E-08	1.7E-08
6.3E-09	2.7E-09	2.1E-09	4.0E-09	5.4E-09	4.8E-09	4.2E-09	5.0E-09	5.5E-09	4.6E-09	6.0E-09	6.3E-09	7.9E-09	1.0E-08	1.3E-08	1.7E-08
3.3E-09	1.4E-09	1.1E-09	2.0E-09	2.8E-09	2.5E-09	2.2E-09	2.6E-09	2.9E-09	2.4E-09	3.1E-09	3.3E-09	4.1E-09	5.3E-09	6.6E-09	8.6E-09
3.5E-09	1.5E-09	1.2E-09	2.2E-09	3.0E-09	2.6E-09	2.3E-09	2.7E-09	3.0E-09	2.5E-09	3.3E-09	3.5E-09	4.3E-09	5.7E-09	6.9E-09	9.3E-09
40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.
48.0 KM															
5.2E-09	1.6E-09	1.4E-09	3.3E-09	4.5E-09	3.9E-09	3.5E-09	4.0E-09	4.1E-09	3.4E-09	4.4E-09	4.7E-09	6.1E-09	7.8E-09	8.5E-09	1.3E-08
2.7E-09	9.4E-10	7.5E-10	1.7E-09	2.3E-09	1.9E-09	1.6E-09	2.1E-09	2.3E-09	1.8E-09	2.3E-09	2.5E-09	3.2E-09	4.1E-09	4.5E-09	6.9E-09
1.2E-11	2.9E-12	1.5E-12	4.1E-12	4.3E-12	3.7E-12	6.3E-12	8.7E-12	7.7E-12	4.7E-12	5.5E-12	6.0E-12	6.4E-12	6.9E-12	9.6E-12	2.5E-11
4.7E-09	1.6E-09	1.3E-09	2.9E-09	4.0E-09	3.2E-09	2.8E-09	3.6E-09	3.6E-09	3.1E-09	4.0E-09	4.3E-09	5.5E-09	7.0E-09	7.8E-09	1.2E-08
5.0E-09	1.7E-09	1.4E-09	3.2E-09	4.3E-09	3.4E-09	3.0E-09	4.0E-09	4.2E-09	3.5E-09	4.3E-09	4.6E-09	5.9E-09	7.5E-09	8.3E-09	1.3E-08
2.4E-09	8.3E-10	6.6E-10	1.5E-09	2.1E-09	1.7E-09	1.5E-09	2.0E-09	2.1E-09	1.6E-09	2.1E-09	2.3E-09	2.9E-09	3.7E-09	4.1E-09	6.3E-09
2.6E-09	9.1E-10	7.2E-10	1.7E-09	2.3E-09	1.8E-09	1.6E-09	2.1E-09	2.2E-09	1.7E-09	2.2E-09	2.4E-09	3.1E-09	4.0E-09	4.4E-09	6.7E-09
48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.
56.0 KM															
4.2E-09	1.3E-09	1.0E-09	2.7E-09	3.7E-09	2.7E-09	2.3E-09	3.3E-09	3.5E-09	2.6E-09	3.3E-09	3.5E-09	4.7E-09	6.0E-09	7.0E-09	1.0E-08
2.1E-09	6.3E-10	5.0E-10	1.4E-09	1.9E-09	1.5E-09	1.2E-09	1.6E-09	1.7E-09	1.3E-09	1.7E-09	1.8E-09	2.4E-09	3.0E-09	3.6E-09	5.2E-09
9.2E-12	1.8E-12	9.4E-13	3.1E-12	3.2E-12	2.5E-12	4.4E-12	6.4E-12	5.7E-12	3.2E-12	3.8E-12	4.1E-12	4.5E-12	4.8E-12	6.1E-12	1.8E-11
3.7E-09	1.1E-09	8.7E-10	2.4E-09	3.2E-09	2.4E-09	2.1E-09	3.0E-09	3.2E-09	2.3E-09	2.9E-09	3.2E-09	4.2E-09	5.3E-09	5.4E-09	9.3E-09
4.0E-09	1.2E-09	9.6E-10	2.6E-09	3.5E-09	2.6E-09	2.3E-09	3.2E-09	3.4E-09	2.5E-09	3.2E-09	3.4E-09	4.6E-09	5.8E-09	5.8E-09	1.0E-08
1.9E-09	5.4E-10	4.4E-10	1.2E-09	1.6E-09	1.2E-09	1.1E-09	1.5E-09	1.6E-09	1.2E-09	1.5E-09	1.6E-09	2.1E-09	2.7E-09	2.7E-09	4.7E-09
2.0E-09	6.0E-10	4.8E-10	1.3E-09	1.8E-09	1.3E-09	1.1E-09	1.6E-09	1.7E-09	1.3E-09	1.6E-09	1.7E-09	2.3E-09	2.9E-09	2.9E-09	5.0E-09
56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.
64.0 KM															
3.2E-09	9.3E-10	7.7E-10	1.8E-09	2.6E-09	1.9E-09	1.8E-09	2.5E-09	2.7E-09	2.0E-09	2.5E-09	2.9E-09	3.9E-09	4.8E-09	4.8E-09	8.0E-09
1.5E-09	4.5E-10	3.7E-10	8.6E-10	1.3E-09	9.3E-10	8.7E-10	1.2E-09	1.3E-09	9.7E-10	1.2E-09	1.4E-09	1.9E-09	2.3E-09	2.3E-09	3.9E-09
6.4E-12	1.2E-12	6.7E-13	1.8E-12	2.1E-12	1.7E-12	3.1E-12	4.6E-12	4.0E-12	2.3E-12	2.6E-12	3.1E-12	3.5E-12	3.5E-12	4.5E-12	1.3E-11
2.8E-09	7.8E-10	6.6E-10	1.5E-09	2.2E-09	1.7E-09	1.6E-09	2.2E-09	2.4E-09	1.8E-09	2.2E-09	2.6E-09	3.5E-09	4.2E-09	4.3E-09	7.1E-09
3.1E-09	8.8E-10	7.3E-10	1.7E-09	2.5E-09	1.9E-09	1.7E-09	2.5E-09	2.6E-09	1.9E-09	2.4E-09	2.8E-09	3.8E-09	4.6E-09	4.7E-09	7.7E-09
1.4E-09	3.8E-10	3.2E-10	7.4E-10	1.1E-09	8.1E-10	7.6E-10	1.1E-09	1.2E-09	8.6E-10	1.0E-09	1.2E-09	1.7E-09	2.0E-09	2.1E-09	3.5E-09
1.5E-09	4.2E-10	3.5E-10	8.2E-10	1.2E-09	9.0E-10	8.4E-10	1.2E-09	1.3E-09	9.9E-10	1.2E-09	1.3E-09	1.8E-09	2.2E-09	2.3E-09	3.7E-09
64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 3.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
72.0 KM															
2.5E-09	7.1E-10	6.1E-10	1.2E-09	1.9E-09	1.4E-09	1.4E-09	2.1E-09	2.1E-09	1.6E-09	1.9E-09	2.4E-09	3.0E-09	3.9E-09	3.9E-09	6.4E-09
1.1E-09	3.3E-10	2.9E-10	5.7E-10	9.1E-10	6.6E-10	6.6E-10	9.7E-10	9.9E-10	7.5E-10	8.7E-10	1.1E-09	1.5E-09	1.8E-09	1.8E-09	3.0E-09
4.6E-12	8.8E-13	4.9E-13	1.2E-12	1.4E-12	1.1E-12	2.2E-12	3.4E-12	2.9E-12	1.7E-12	1.8E-12	2.0E-12	2.7E-12	2.6E-12	3.4E-12	9.5E-12
2.1E-09	5.8E-10	5.1E-10	1.0E-09	1.6E-09	1.2E-09	1.3E-09	1.9E-09	1.9E-09	1.4E-09	1.6E-09	2.1E-09	2.9E-09	3.3E-09	3.4E-09	5.6E-09
2.3E-09	6.7E-10	5.6E-10	1.2E-09	1.8E-09	1.4E-09	1.4E-09	2.0E-09	2.1E-09	1.6E-09	1.8E-09	2.3E-09	3.2E-09	3.7E-09	3.8E-09	6.2E-09
9.9E-10	2.7E-10	2.4E-10	4.8E-10	7.7E-10	5.7E-10	5.8E-10	8.6E-10	8.9E-10	6.6E-10	7.4E-10	9.8E-10	1.3E-09	1.6E-09	1.6E-09	2.6E-09
1.1E-09	3.1E-10	2.7E-10	5.4E-10	8.6E-10	6.3E-10	6.3E-10	9.4E-10	9.6E-10	7.2E-10	8.3E-10	1.1E-09	1.5E-09	1.7E-09	1.8E-09	2.9E-09
72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.
80.0 KM															
2.0E-09	5.4E-10	5.2E-10	9.0E-10	1.5E-09	1.1E-09	1.2E-09	1.7E-09	1.7E-09	1.4E-09	1.5E-09	2.0E-09	2.8E-09	3.2E-09	3.3E-09	5.2E-09
9.0E-10	2.5E-10	2.3E-10	4.0E-10	6.7E-10	5.0E-10	5.3E-10	7.5E-10	7.6E-10	6.2E-10	6.7E-10	8.9E-10	1.2E-09	1.4E-09	1.5E-09	2.3E-09
3.5E-12	6.3E-13	3.8E-13	7.9E-13	1.0E-12	8.1E-13	1.7E-12	2.6E-12	2.2E-12	1.4E-12	1.3E-12	1.8E-12	2.1E-12	2.0E-12	2.6E-12	7.1E-12
1.7E-09	4.4E-10	4.3E-10	7.4E-10	1.2E-09	9.3E-10	1.0E-09	1.5E-09	1.5E-09	1.2E-09	1.2E-09	1.7E-09	2.4E-09	2.7E-09	2.8E-09	4.5E-09
1.9E-09	5.1E-10	4.9E-10	8.5E-10	1.4E-09	1.1E-09	1.1E-09	1.6E-09	1.6E-09	1.3E-09	1.4E-09	1.9E-09	2.7E-09	3.1E-09	3.1E-09	4.9E-09
7.7E-10	2.0E-10	1.9E-10	3.3E-10	5.6E-10	4.2E-10	4.6E-10	6.6E-10	6.8E-10	5.4E-10	5.6E-10	7.8E-10	1.1E-09	1.2E-09	1.3E-09	2.0E-09
8.6E-10	2.3E-10	2.2E-10	3.8E-10	6.3E-10	4.7E-10	5.1E-10	7.3E-10	7.3E-10	6.0E-10	6.4E-10	8.6E-10	1.2E-09	1.4E-09	1.4E-09	2.2E-09
80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-71

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 03/05/79 TO 03/04/80

ANNUAL AVERAGE (GROUND)
SPECIAL PTS - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 14:39:46

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
EXCLUSION BOUNDARY	1.1E-06	5.4E-07	5.9E-07	9.7E-07	8.5E-07	8.7E-07	7.3E-07	9.1E-07	8.0E-07	9.3E-07	9.9E-07	1.3E-06	1.1E-06	1.5E-06	1.8E-06	2.2E-06
	9.8E-07	4.8E-07	5.3E-07	8.7E-07	7.6E-07	7.8E-07	6.5E-07	8.1E-07	7.1E-07	8.3E-07	8.9E-07	1.1E-06	9.4E-07	1.4E-06	1.6E-06	1.9E-06
	9.6E-09	3.2E-09	2.5E-09	4.7E-09	3.5E-09	3.8E-09	5.6E-09	7.1E-09	5.4E-09	4.6E-09	4.7E-09	6.3E-09	4.6E-09	5.9E-09	8.4E-09	1.6E-08
	1.1E-06	5.4E-07	5.9E-07	9.7E-07	8.5E-07	8.7E-07	7.3E-07	9.1E-07	8.0E-07	9.3E-07	9.9E-07	1.3E-06	1.1E-06	1.5E-06	1.8E-06	2.2E-06
	1.1E-06	5.4E-07	5.9E-07	9.7E-07	8.5E-07	8.7E-07	7.3E-07	9.1E-07	8.0E-07	9.3E-07	9.9E-07	1.3E-06	1.1E-06	1.5E-06	1.8E-06	2.2E-06
	9.8E-07	4.8E-07	5.3E-07	8.6E-07	7.6E-07	7.7E-07	6.5E-07	8.1E-07	7.1E-07	8.3E-07	8.8E-07	1.1E-06	9.4E-07	1.4E-06	1.6E-06	1.9E-06
	9.8E-07	4.8E-07	5.3E-07	8.7E-07	7.6E-07	7.7E-07	6.5E-07	8.1E-07	7.1E-07	8.3E-07	8.9E-07	1.1E-06	9.4E-07	1.4E-06	1.6E-06	1.9E-06
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
LOW POPULATION ZONE	2.0E-07	9.4E-08	9.9E-08	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	1.8E-07	1.7E-07	2.0E-07	2.7E-07	3.2E-07	3.6E-07
	1.6E-07	7.6E-08	8.0E-08	1.1E-07	1.2E-07	1.2E-07	1.1E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07	1.4E-07	1.6E-07	2.2E-07	2.6E-07	2.9E-07
	1.4E-09	4.5E-10	3.2E-10	5.3E-10	4.8E-10	5.1E-10	8.5E-10	9.0E-10	7.8E-10	6.2E-10	6.4E-10	8.6E-10	6.9E-10	8.0E-10	1.2E-09	2.0E-09
	2.0E-07	9.3E-08	9.8E-08	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	1.7E-07	1.7E-07	2.0E-07	2.7E-07	3.2E-07	3.5E-07
	2.0E-07	9.4E-08	9.9E-08	1.4E-07	1.5E-07	1.5E-07	1.4E-07	1.4E-07	1.4E-07	1.5E-07	1.8E-07	1.7E-07	2.0E-07	2.7E-07	3.2E-07	3.6E-07
	1.6E-07	7.5E-08	7.9E-08	1.1E-07	1.2E-07	1.2E-07	1.1E-07	1.1E-07	1.2E-07	1.2E-07	1.4E-07	1.3E-07	1.6E-07	2.2E-07	2.6E-07	2.9E-07
	1.6E-07	7.5E-08	7.9E-08	1.1E-07	1.2E-07	1.2E-07	1.1E-07	1.2E-07	1.2E-07	1.2E-07	1.4E-07	1.4E-07	1.6E-07	2.2E-07	2.6E-07	2.9E-07
	4023.	323.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.
NEAREST RESIDENT	1.5E-07	1.7E-07	1.5E-07	2.2E-07	2.5E-07	3.3E-07	1.0E-07	9.8E-08	1.4E-07	1.9E-07	1.6E-07	2.1E-07	1.7E-07	6.7E-07	3.8E-07	8.8E-07
	1.1E-07	1.4E-07	1.3E-07	1.9E-07	2.1E-07	2.8E-07	8.2E-08	7.6E-08	1.2E-07	1.5E-07	1.2E-07	1.7E-07	1.3E-07	5.7E-07	3.1E-07	7.5E-07
	9.6E-10	8.6E-10	5.5E-10	9.6E-10	8.9E-10	1.3E-09	6.0E-10	5.5E-10	7.8E-10	8.2E-10	5.6E-10	8.7E-10	5.3E-10	2.4E-09	1.4E-09	5.9E-09
	1.4E-07	1.6E-07	1.5E-07	2.2E-07	2.4E-07	3.3E-07	1.0E-07	9.7E-08	1.4E-07	1.8E-07	1.5E-07	2.1E-07	1.6E-07	6.7E-07	3.7E-07	8.8E-07
	1.4E-07	1.6E-07	1.5E-07	2.2E-07	2.5E-07	3.3E-07	1.0E-07	9.7E-08	1.4E-07	1.9E-07	1.6E-07	2.1E-07	1.7E-07	6.7E-07	3.8E-07	8.8E-07
	1.1E-07	1.4E-07	1.3E-07	1.8E-07	2.0E-07	2.8E-07	8.1E-08	7.5E-08	1.2E-07	1.5E-07	1.2E-07	1.7E-07	1.3E-07	5.7E-07	3.0E-07	7.5E-07
	1.1E-07	1.4E-07	1.3E-07	1.9E-07	2.0E-07	2.8E-07	8.1E-08	7.5E-08	1.2E-07	1.5E-07	1.2E-07	1.7E-07	1.3E-07	5.7E-07	3.1E-07	7.5E-07
	4908.	2816.	3138.	2816.	2735.	2333.	4827.	5632.	4023.	3379.	4344.	3540.	4666.	2092.	3540.	2172.
NEAREST VEGETABLE	1.2E-07	1.2E-07	1.3E-07	2.2E-07	2.5E-07	3.3E-07	9.6E-08	9.8E-08	5.7E-08	1.1E-07	1.6E-07	2.1E-07	1.7E-07	6.0E-07	3.7E-07	8.8E-07
	8.9E-08	9.7E-08	1.0E-07	1.9E-07	2.1E-07	2.8E-07	7.5E-08	7.6E-08	4.3E-08	9.2E-08	1.2E-07	1.7E-07	1.3E-07	5.1E-07	3.0E-07	7.5E-07
	7.3E-10	5.9E-10	4.4E-10	9.6E-10	8.9E-10	1.3E-09	5.4E-10	5.5E-10	2.5E-10	4.6E-10	5.6E-10	8.7E-10	5.3E-10	2.1E-09	1.4E-09	5.9E-09
	1.1E-07	1.2E-07	1.3E-07	2.2E-07	2.4E-07	3.3E-07	9.5E-08	9.7E-08	5.6E-08	1.2E-07	1.5E-07	2.1E-07	1.6E-07	6.0E-07	3.7E-07	8.8E-07
	1.2E-07	1.2E-07	1.3E-07	2.2E-07	2.5E-07	3.3E-07	9.5E-08	9.7E-08	5.7E-08	1.2E-07	1.6E-07	2.1E-07	1.7E-07	6.0E-07	3.7E-07	8.8E-07
	8.8E-08	9.6E-08	1.0E-07	1.8E-07	2.0E-07	2.8E-07	7.4E-08	7.5E-08	4.2E-08	9.1E-08	1.2E-07	1.7E-07	1.3E-07	5.1E-07	3.0E-07	7.5E-07
	8.9E-08	9.7E-08	1.0E-07	1.9E-07	2.0E-07	2.8E-07	7.5E-08	7.5E-08	4.2E-08	9.1E-08	1.2E-07	1.7E-07	1.3E-07	5.1E-07	3.0E-07	7.5E-07
	5792.	3379.	3540.	2816.	2735.	2333.	5149.	5632.	7401.	4827.	4344.	3540.	4666.	2253.	3620.	2172.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
NEAREST MEAT ANIMAL	1.0E-06	5.3E-07	5.9E-07	4.2E-07	3.8E-07	4.3E-07	9.6E-08	1.1E-07	1.0E-07	3.0E-07	3.4E-07	3.2E-07	1.6E-07	2.9E-07	4.3E-07	1.2E-06
	8.9E-07	4.7E-07	5.3E-07	3.6E-07	3.3E-07	3.7E-07	7.5E-08	8.3E-08	7.9E-08	2.5E-07	2.8E-07	2.7E-07	1.2E-07	2.4E-07	3.6E-07	1.0E-06
	8.7E-09	3.1E-09	2.5E-09	1.9E-09	1.5E-09	1.8E-09	5.4E-10	6.1E-10	4.9E-10	1.4E-09	1.4E-09	1.4E-09	5.0E-10	8.9E-10	1.7E-09	8.1E-09
	1.0E-06	5.3E-07	5.9E-07	4.1E-07	3.8E-07	4.3E-07	9.5E-08	1.1E-07	9.9E-08	3.0E-07	3.3E-07	3.2E-07	1.6E-07	2.9E-07	4.3E-07	1.2E-06
	1.0E-06	5.3E-07	5.9E-07	4.2E-07	3.8E-07	4.3E-07	9.5E-08	1.1E-07	9.9E-08	3.0E-07	3.3E-07	3.2E-07	1.6E-07	2.9E-07	4.3E-07	1.2E-06
	8.9E-07	4.7E-07	5.3E-07	3.6E-07	3.2E-07	3.7E-07	7.4E-08	8.2E-08	7.7E-08	2.5E-07	2.8E-07	2.7E-07	1.2E-07	2.4E-07	3.5E-07	1.0E-06
	8.9E-07	4.7E-07	5.3E-07	3.6E-07	3.3E-07	3.7E-07	7.5E-08	8.2E-08	7.7E-08	2.5E-07	2.8E-07	2.7E-07	1.2E-07	2.4E-07	3.5E-07	1.0E-06
	1207.	1207.	1207.	1931.	2011.	1931.	5149.	5310.	5310.	2574.	2414.	2735.	4827.	3701.	3218.	1770.
NEAREST DAIRY COW	8.0E-08	7.1E-08		2.2E-07	3.8E-07	4.3E-07	7.0E-08				7.6E-08			1.8E-07	4.3E-07	
	5.9E-08	5.6E-08		1.9E-07	3.3E-07	3.7E-07	5.3E-08				5.6E-08			1.4E-07	3.6E-07	
	4.6E-10	3.2E-10	NONE	9.6E-10	1.5E-09	1.8E-09	3.7E-10	NONE	NONE	NONE	2.0E-10	NONE	NONE	4.5E-10	1.7E-09	NONE
	7.8E-08	7.0E-08	IN	2.2E-07	3.8E-07	4.3E-07	6.9E-08	IN	IN	IN	7.4E-08	IN	IN	1.7E-07	4.3E-07	IN
	7.9E-08	7.1E-08	THIS	2.2E-07	3.8E-07	4.3E-07	6.9E-08	THIS	THIS	THIS	7.5E-08	THIS	THIS	1.7E-07	4.3E-07	THIS
	5.8E-08	5.5E-08	SECTOR	1.8E-07	3.2E-07	3.7E-07	5.2E-08	SECTOR	SECTOR	SECTOR	5.5E-08	SECTOR	SECTOR	1.3E-07	3.5E-07	SECTOR
	5.9E-08	5.6E-08		1.9E-07	3.3E-07	3.7E-07	5.3E-08				5.6E-08			1.4E-07	3.5E-07	
	7562.	4827.		2816.	2011.	1931.	6436.				7562.			5632.	3218.	
NEAREST PLANT BOUNDARY	6.5E-07	2.6E-07	2.4E-07	4.2E-07	4.0E-07	4.6E-07	1.0E-07	1.1E-07	2.4E-07	3.1E-07	3.4E-07	2.9E-07	2.5E-07	2.6E-07	6.5E-07	1.2E-06
	5.7E-07	2.3E-07	2.0E-07	3.6E-07	3.5E-07	4.0E-07	8.2E-08	8.3E-08	2.0E-07	2.6E-07	2.8E-07	2.4E-07	2.1E-07	2.1E-07	5.5E-07	1.1E-06
	5.4E-09	1.5E-09	8.8E-10	1.9E-09	1.6E-09	1.9E-09	6.0E-10	6.1E-10	1.5E-09	1.4E-09	1.4E-09	1.3E-09	9.1E-10	7.5E-10	2.7E-09	8.6E-09
	6.5E-07	2.6E-07	2.3E-07	4.1E-07	4.0E-07	4.6E-07	1.0E-07	1.1E-07	2.4E-07	3.1E-07	3.3E-07	2.9E-07	2.5E-07	2.6E-07	6.5E-07	1.2E-06
	6.5E-07	2.6E-07	2.3E-07	4.2E-07	4.0E-07	4.6E-07	1.0E-07	1.1E-07	2.4E-07	3.1E-07	3.3E-07	2.9E-07	2.5E-07	2.6E-07	6.5E-07	1.2E-06
	5.6E-07	2.2E-07	2.0E-07	3.6E-07	3.5E-07	4.0E-07	8.1E-08	8.2E-08	2.0E-07	2.6E-07	2.8E-07	2.4E-07	2.1E-07	2.0E-07	5.5E-07	1.1E-06
	5.6E-07	2.3E-07	2.0E-07	3.6E-07	3.5E-07	4.0E-07	8.1E-08	8.2E-08	2.0E-07	2.6E-07	2.8E-07	2.4(07	2.1E-07	2.1E-07	5.5E-07	1.1E-06
	1754.	2076.	2065.	1931.	1931.	1866.	4827.	5310.	2767.	2478.	2414.	2880.	3379.	4183.	2049.	1703.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 3.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-72

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD: 03/05/79 TO 03/04/80

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS. - T/R CORRECTED
ONSITE METEOROLOGY
DATE 27-NOV-81 TIME 14 52 21

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
0.4 KM															
3.1E-06	1.1E-06	1.0E-06	1.2E-06	1.6E-06	2.1E-06	2.0E-06	1.9E-06	1.6E-06	1.4E-06	1.4E-06	2.3E-06	2.2E-06	2.2E-06	3.0E-06	5.5E-06
2.9E-06	1.0E-06	9.7E-07	1.2E-06	1.5E-06	1.9E-06	1.9E-06	1.8E-06	1.6E-06	1.4E-06	1.7E-06	2.6E-06	2.6E-06	2.5E-06	3.5E-06	5.2E-06
4.0E-08	1.1E-08	6.3E-09	9.5E-09	1.0E-08	1.3E-08	2.2E-08	2.2E-08	1.6E-08	9.5E-09	8.6E-09	1.4E-08	1.1E-08	1.1E-08	1.7E-08	5.6E-08
3.1E-06	1.1E-06	1.0E-06	1.2E-06	1.6E-06	2.1E-06	2.0E-06	1.9E-06	1.6E-06	1.4E-06	1.4E-06	2.3E-06	2.2E-06	2.2E-06	3.0E-06	5.5E-06
3.1E-06	1.1E-06	1.0E-06	1.2E-06	1.6E-06	2.1E-06	2.0E-06	1.9E-06	1.6E-06	1.4E-06	1.4E-06	2.3E-06	2.2E-06	2.2E-06	3.0E-06	5.5E-06
2.9E-06	1.0E-06	9.7E-07	1.2E-06	1.5E-06	1.9E-06	1.9E-06	1.8E-06	1.6E-06	1.4E-06	1.7E-06	2.6E-06	2.5E-06	2.5E-06	3.5E-06	5.2E-06
2.9E-06	1.0E-06	9.7E-07	1.2E-06	1.5E-06	1.9E-06	1.9E-06	1.8E-06	1.6E-06	1.4E-06	1.7E-06	2.6E-06	2.6E-06	2.5E-06	3.5E-06	5.2E-06
400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.
0.8 KM															
1.1E-06	4.1E-07	3.1E-07	4.2E-07	5.5E-07	7.2E-07	6.4E-07	6.6E-07	5.6E-07	4.7E-07	5.0E-07	7.2E-07	6.9E-07	7.5E-07	9.7E-07	1.9E-06
9.8E-07	3.8E-07	2.8E-07	3.9E-07	5.0E-07	6.6E-07	5.9E-07	6.1E-07	5.2E-07	4.3E-07	5.8E-07	8.1E-07	7.8E-07	8.4E-07	1.1E-06	1.7E-06
1.5E-08	4.7E-09	2.2E-09	3.8E-09	3.8E-09	5.0E-09	7.8E-09	8.6E-09	6.2E-09	3.6E-09	3.6E-09	5.0E-09	4.0E-09	4.2E-09	6.2E-09	2.2E-08
1.1E-06	4.1E-07	3.1E-07	4.2E-07	5.5E-07	7.2E-07	6.4E-07	6.6E-07	5.6E-07	4.7E-07	5.0E-07	7.2E-07	6.9E-07	7.5E-07	9.7E-07	1.9E-06
1.1E-06	4.1E-07	3.1E-07	4.2E-07	5.5E-07	7.2E-07	6.4E-07	6.6E-07	5.6E-07	4.7E-07	5.0E-07	7.2E-07	6.9E-07	7.5E-07	9.7E-07	1.9E-06
9.8E-07	3.8E-07	2.8E-07	3.9E-07	5.0E-07	6.6E-07	5.9E-07	6.1E-07	5.2E-07	4.3E-07	5.8E-07	8.1E-07	7.8E-07	8.4E-07	1.1E-06	1.7E-06
9.8E-07	3.8E-07	2.8E-07	3.9E-07	5.0E-07	6.6E-07	5.9E-07	6.1E-07	5.2E-07	4.3E-07	5.8E-07	8.1E-07	7.8E-07	8.4E-07	1.1E-06	1.7E-06
800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
1.2 KM															
5.8E-07	2.3E-07	1.6E-07	2.4E-07	2.8E-07	3.8E-07	3.4E-07	3.6E-07	3.1E-07	2.5E-07	2.9E-07	3.8E-07	3.5E-07	4.0E-07	5.2E-07	9.0E-07
5.2E-07	2.1E-07	1.4E-07	2.1E-07	2.5E-07	3.4E-07	3.1E-07	3.3E-07	2.8E-07	2.3E-07	3.3E-07	4.2E-07	3.9E-07	4.5E-07	5.8E-07	8.8E-07
8.1E-09	2.7E-09	1.2E-09	2.0E-09	2.7E-09	4.1E-09	4.7E-09	4.9E-09	3.4E-09	2.0E-09	2.2E-09	2.7E-09	2.0E-09	2.3E-09	3.4E-09	1.1E-08
5.8E-07	2.3E-07	1.6E-07	2.4E-07	2.8E-07	3.8E-07	3.4E-07	3.6E-07	3.1E-07	2.5E-07	2.9E-07	3.8E-07	3.5E-07	4.0E-07	5.2E-07	9.0E-07
5.8E-07	2.3E-07	1.6E-07	2.4E-07	2.8E-07	3.8E-07	3.4E-07	3.6E-07	3.1E-07	2.5E-07	2.9E-07	3.8E-07	3.5E-07	4.0E-07	5.2E-07	9.0E-07
5.2E-07	2.1E-07	1.4E-07	2.1E-07	2.5E-07	3.4E-07	3.1E-07	3.3E-07	2.8E-07	2.3E-07	3.3E-07	4.2E-07	3.9E-07	4.5E-07	5.8E-07	8.8E-07
5.2E-07	2.1E-07	1.4E-07	2.1E-07	2.5E-07	3.4E-07	3.1E-07	3.3E-07	2.8E-07	2.3E-07	3.3E-07	4.2E-07	3.9E-07	4.5E-07	5.8E-07	8.8E-07
1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
1.6 KM															
3.9E-07	1.6E-07	1.1E-07	1.6E-07	2.0E-07	2.5E-07	2.3E-07	2.4E-07	2.2E-07	1.8E-07	1.9E-07	2.6E-07	2.3E-07	2.7E-07	3.6E-07	6.3E-07
3.5E-07	1.4E-07	9.8E-08	1.5E-07	1.7E-07	2.2E-07	2.0E-07	2.1E-07	1.9E-07	1.6E-07	1.8E-07	2.5E-07	2.3E-07	2.6E-07	3.4E-07	6.0E-07
5.1E-09	1.7E-09	8.0E-10	1.5E-09	1.9E-09	2.7E-09	2.6E-09	2.9E-09	2.3E-09	1.4E-09	1.4E-09	1.9E-09	1.5E-09	2.2E-09	2.7E-09	1.1E-09
3.9E-07	1.6E-07	1.1E-07	1.6E-07	2.0E-07	2.5E-07	2.3E-07	2.4E-07	2.2E-07	1.8E-07	1.9E-07	2.6E-07	2.3E-07	2.7E-07	3.6E-07	6.3E-07
3.9E-07	1.6E-07	1.1E-07	1.6E-07	2.0E-07	2.5E-07	2.3E-07	2.4E-07	2.2E-07	1.8E-07	1.9E-07	2.6E-07	2.3E-07	2.7E-07	3.6E-07	6.3E-07
3.5E-07	1.4E-07	9.7E-08	1.5E-07	1.7E-07	2.2E-07	2.0E-07	2.1E-07	1.9E-07	1.6E-07	1.8E-07	2.5E-07	2.3E-07	2.6E-07	3.4E-07	6.0E-07
3.5E-07	1.4E-07	9.7E-08	1.5E-07	1.7E-07	2.2E-07	2.0E-07	2.1E-07	1.9E-07	1.6E-07	1.8E-07	2.5E-07	2.3E-07	2.6E-07	3.4E-07	6.0E-07
1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 2.00 CALMS LOWER LEV - 0.05
KEY ENTRY 1 RELATIVE CONCENTRATION - X/Q (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED X/Q (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED X/Q (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL X/Q (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL X/Q (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
2.4 KM															
2.2E-07	9.9E-08	6.8E-08	9.8E-08	1.2E-07	1.4E-07	1.3E-07	1.3E-07	1.3E-07	1.1E-07	1.1E-07	1.5E-07	1.3E-07	1.5E-07	2.2E-07	4.0E-07
1.9E-07	8.8E-08	5.9E-08	8.6E-08	1.0E-07	1.2E-07	1.2E-07	1.1E-07	1.1E-07	9.5E-08	1.2E-07	1.6E-07	1.3E-07	1.6E-07	2.3E-07	3.4E-07
2.5E-09	2.2E-10	4.4E-10	7.9E-10	7.3E-10	8.7E-10	1.4E-09	1.5E-09	1.2E-09	7.7E-10	7.4E-10	9.6E-10	8.8E-10	1.1E-10	1.2E-09	3.6E-09
2.2E-07	9.9E-08	6.7E-08	9.7E-08	1.2E-07	1.4E-07	1.3E-07	1.3E-07	1.3E-07	1.1E-07	1.1E-07	1.5E-07	1.3E-07	1.5E-07	2.2E-07	3.9E-07
2.2E-07	9.9E-08	6.7E-08	9.8E-08	1.2E-07	1.4E-07	1.3E-07	1.3E-07	1.3E-07	1.1E-07	1.1E-07	1.5E-07	1.3E-07	1.5E-07	2.2E-07	3.9E-07
1.9E-07	8.8E-08	5.9E-08	8.5E-08	1.0E-07	1.2E-07	1.1E-07	1.1E-07	1.1E-07	9.5E-08	1.2E-07	1.6E-07	1.3E-07	1.6E-07	2.3E-07	3.4E-07
1.9E-07	8.8E-08	5.9E-08	8.6E-08	1.0E-07	1.2E-07	1.2E-07	1.1E-07	1.1E-07	9.5E-08	1.2E-07	1.6E-07	1.3E-07	1.6E-07	2.3E-07	3.4E-07
2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.
3.2 KM															
1.6E-07	6.3E-08	4.4E-08	6.0E-08	7.9E-08	9.3E-08	9.4E-08	9.5E-08	9.5E-08	7.7E-08	8.1E-08	1.0E-07	9.1E-08	1.1E-07	1.5E-07	2.8E-07
1.3E-07	5.5E-08	3.8E-08	5.9E-08	7.7E-08	8.8E-08	8.9E-08	8.9E-08	8.9E-08	7.4E-08	8.4E-08	1.0E-07	9.3E-08	1.1E-07	1.6E-07	2.4E-07
1.6E-09	4.4E-10	2.7E-10	5.9E-10	4.5E-10	5.4E-10	9.1E-10	9.9E-10	8.3E-10	5.1E-10	5.0E-10	6.0E-10	4.5E-10	5.3E-10	7.9E-10	2.4E-09
1.6E-07	6.3E-08	4.4E-08	6.0E-08	7.8E-08	9.3E-08	9.4E-08	9.5E-08	9.5E-08	7.7E-08	8.0E-08	1.0E-07	9.0E-08	1.1E-07	1.5E-07	2.8E-07
1.6E-07	6.3E-08	4.4E-08	6.0E-08	7.9E-08	9.3E-08	9.4E-08	9.5E-08	9.5E-08	7.7E-08	8.1E-08	1.0E-07	9.0E-08	1.1E-07	1.5E-07	2.8E-07
1.3E-07	5.5E-08	3.7E-08	5.8E-08	7.6E-08	8.6E-08	8.8E-08	8.9E-08	8.8E-08	7.4E-08	8.4E-08	1.0E-07	9.3E-08	1.1E-07	1.6E-07	2.4E-07
1.3E-07	5.5E-08	3.8E-08	5.9E-08	7.8E-08	8.8E-08	8.9E-08	8.9E-08	8.9E-08	7.4E-08	8.4E-08	1.0E-07	9.3E-08	1.1E-07	1.6E-07	2.4E-07
3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.
4.0 KM															
1.1E-07	4.4E-08	3.1E-08	4.6E-08	5.9E-08	6.8E-08	7.1E-08	7.5E-08	7.5E-08	6.0E-08	6.4E-08	7.7E-08	6.8E-08	8.4E-08	1.2E-07	2.1E-07
9.6E-08	3.8E-08	2.6E-08	3.8E-08	4.9E-08	5.6E-08	6.0E-08	6.3E-08	6.4E-08	5.2E-08	5.8E-08	7.7E-08	6.9E-08	8.5E-08	1.2E-07	1.8E-07
1.1E-09	3.4E-10	1.7E-10	4.7E-10	3.1E-10	3.6E-10	6.3E-10	7.2E-10	6.0E-10	3.6E-10	3.6E-10	4.1E-10	3.1E-10	3.7E-10	5.5E-10	1.6E-09
1.1E-07	4.4E-08	3.1E-08	4.6E-08	5.8E-08	6.7E-08	7.1E-08	7.4E-08	7.5E-08	6.0E-08	6.3E-08	7.7E-08	6.8E-08	8.4E-08	1.2E-07	2.1E-07
1.1E-07	4.4E-08	3.1E-08	4.6E-08	5.9E-08	6.8E-08	7.1E-08	7.5E-08	7.5E-08	6.0E-08	6.3E-08	7.7E-08	6.8E-08	8.4E-08	1.2E-07	2.1E-07
9.6E-08	3.8E-08	2.6E-08	3.8E-08	4.9E-08	5.6E-08	6.0E-08	6.2E-08	6.4E-08	5.2E-08	5.8E-08	7.7E-08	6.9E-08	8.4E-08	1.2E-07	1.8E-07
9.6E-08	3.8E-08	2.6E-08	3.8E-08	4.9E-08	5.6E-08	6.0E-08	6.3E-08	6.4E-08	5.2E-08	5.8E-08	7.7E-08	6.9E-08	8.4E-08	1.2E-07	1.8E-07
4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.
4.8 KM															
9.1E-08	3.4E-08	2.6E-08	4.5E-08	4.5E-08	4.4E-08	5.5E-08	5.7E-08	5.9E-08	5.7E-08	5.2E-08	5.1E-08	5.3E-08	6.8E-08	7.2E-08	9.6E-08
7.6E-08	2.9E-08	2.2E-08	3.8E-08	3.8E-08	3.6E-08	4.5E-08	4.7E-08	4.9E-08	4.8E-08	4.4E-08	5.2E-08	4.2E-08	5.6E-08	7.2E-08	9.7E-08
8.1E-10	2.4E-10	1.3E-10	2.8E-10	2.2E-10	2.7E-10	3.7E-10	4.2E-10	3.2E-10	2.8E-10	2.7E-10	3.1E-10	2.4E-10	2.9E-10	4.2E-10	1.2E-09
9.0E-08	3.4E-08	2.6E-08	4.4E-08	4.4E-08	4.4E-08	5.4E-08	5.7E-08	5.9E-08	5.7E-08	5.1E-08	5.1E-08	5.3E-08	6.8E-08	7.1E-08	9.5E-08
9.0E-08	3.4E-08	2.6E-08	4.5E-08	4.4E-08	4.4E-08	5.4E-08	5.7E-08	5.9E-08	5.7E-08	5.1E-08	5.1E-08	5.3E-08	6.8E-08	7.2E-08	9.6E-08
7.5E-08	2.9E-08	2.2E-08	3.7E-08	3.8E-08	3.6E-08	4.4E-08	4.7E-08	4.9E-08	4.8E-08	4.4E-08	5.1E-08	4.2E-08	5.6E-08	7.1E-08	9.6E-08
7.6E-08	2.9E-08	2.2E-08	3.7E-08	3.8E-08	3.6E-08	4.5E-08	4.7E-08	4.9E-08	4.8E-08	4.4E-08	5.2E-08	4.2E-08	5.6E-08	7.2E-08	9.7E-08
4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 2.00 CALMS LOWER LEV - 0.05
KEY ENTRY 1 RELATIVE CONCENTRATION - X/Q (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED X/Q (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED X/Q (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL X/Q (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL X/Q (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-72 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD: 03/05/79 TO 03/04/80

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS. + T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 14:52:21

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
5.6 KM															
7.5E-08 2	8E-08 2	4E-08 3	0E-08 3	5E-08 4	6E-08 4	6E-08 4	9E-08 4	6E-08 4	4E-08 4	2E-08 5	5E-08 4	7E-08 6	3E-08 7	6E-08 1	5E-07
6.2E-08 2	4E-08 2	0E-08 2	5E-08 2	9E-08 3	7E-08 3	8E-08 4	0E-08 3	9E-08 3	8E-08 4	2E-08 5	4E-08 4	7E-08 6	2E-08 7	8E-08 1	3E-07
6.2E-10 1	8E-10 1	1.1E-10 1	8E-10 1	6E-10 2	2E-10 3	6E-10 4	2E-10 3	2E-10 2	2E-10 2	1E-10 2	5E-10 1	9E-10 3	3E-10 3	2E-10 9	4E-10
7.4E-08 2	8E-08 2	4E-08 3	0E-08 3	5E-08 4	6E-08 4	6E-08 4	8E-08 4	6E-08 4	4E-08 4	2E-08 5	4E-08 4	7E-08 6	2E-08 7	8E-08 1	5E-07
7.5E-08 2	8E-08 2	4E-08 3	0E-08 3	5E-08 4	6E-08 4	6E-08 4	8E-08 4	6E-08 4	4E-08 4	2E-08 5	5E-08 4	7E-08 6	3E-08 7	8E-08 1	5E-07
6.2E-08 2	4E-08 1	9E-08 2	5E-08 2	8E-08 3	7E-08 3	7E-08 3	9E-08 3	8E-08 3	8E-08 4	2E-08 5	3E-08 4	6E-08 6	1E-08 7	5E-08 1	3E-07
6.2E-08 2	4E-08 2	0E-08 2	5E-08 2	9E-08 3	7E-08 3	8E-08 4	0E-08 3	9E-08 3	8E-08 4	2E-08 5	3E-08 4	6E-08 6	2E-08 7	8E-08 1	3E-07
5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	7600.	5600.	5600.	5600.	5600.	5600.
6.4 KM															
6.3E-08 2	5E-08 1	8E-08 2	5E-08 3	1E-08 3	8E-08 3	9E-08 4	1E-08 3	8E-08 3	8E-08 3	7E-08 4	7E-08 3	8E-08 5	3E-08 7	1E-08 1	2E-07
5.2E-08 2	1E-08 1	5E-08 2	1E-08 2	5E-08 3	0E-08 3	1E-08 3	3E-08 3	1E-08 3	2E-08 3	6E-08 4	6E-08 3	7E-08 5	2E-08 7	0E-08 1	0E-07
5.0E-10 1	4E-10 1	7E-11 1	4E-10 1	3E-10 1	7E-10 2	8E-10 3	3E-10 2	5E-10 1	8E-10 1	7E-10 2	1E-10 1	4E-10 1	8E-10 2	7E-10 7	1E-10
6.3E-08 2	4E-08 1	8E-08 2	5E-08 3	1E-08 3	8E-08 3	8E-08 4	0E-08 3	8E-08 3	8E-08 3	6E-08 4	7E-08 3	8E-08 5	2E-08 7	0E-08 1	2E-07
6.3E-08 2	5E-08 1	8E-08 2	5E-08 3	1E-08 3	8E-08 4	1E-08 3	8E-08 3	8E-08 3	7E-08 4	7E-08 3	8E-08 5	3E-08 7	1E-08 1	2E-07	
5.2E-08 2	1E-08 1	5E-08 2	1E-08 2	4E-08 3	0E-08 3	1E-08 3	3E-08 3	1E-08 3	2E-08 3	6E-08 4	5E-08 3	7E-08 5	1E-08 6	9E-08 1	0E-07
5.2E-08 2	1E-08 1	5E-08 2	1E-08 2	5E-08 3	0E-08 3	1E-08 3	3E-08 3	1E-08 3	2E-08 3	6E-08 4	6E-08 3	7E-08 5	1E-08 7	0E-08 1	0E-07
6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.
7.2 KM															
5.5E-08 2	1E-08 1	3E-08 2	3E-08 2	9E-08 3	3E-08 3	2E-08 3	5E-08 3	2E-08 3	3E-08 3	3E-08 4	0E-08 3	2E-08 4	4E-08 6	0E-08 1	0E-07
4.5E-08 1	8E-08 1	2E-08 1	9E-08 2	3E-08 2	6E-08 2	6E-08 2	8E-08 2	6E-08 2	8E-08 3	3E-08 3	8E-08 3	1E-08 4	3E-08 5	9E-08 8	2E-08
4.1E-10 1	1E-10 5	4E-11 1	3E-10 1	2E-10 1	4E-10 2	3E-10 2	7E-10 2	0E-10 1	5E-10 1	5E-10 1	7E-10 1	1E-10 1	5E-10 2	1E-10 5	8E-10
5.5E-08 2	1E-08 1	4E-08 2	3E-08 2	8E-08 3	3E-08 3	2E-08 3	5E-08 3	2E-08 3	3E-08 3	3E-08 4	0E-08 3	2E-08 4	4E-08 5	9E-08 1	0E-07
5.5E-08 2	1E-09 1	5E-08 2	3E-08 2	9E-08 3	3E-08 3	2E-08 3	5E-08 3	2E-08 3	3E-08 3	3E-08 4	0E-08 3	2E-08 4	4E-08 6	0E-08 1	0E-07
4.5E-08 1	8E-08 1	2E-08 1	9E-08 2	2E-08 2	6E-08 2	6E-08 2	8E-08 2	6E-08 2	8E-08 3	3E-08 3	8E-08 3	1E-08 4	3E-08 5	8E-08 8	2E-08
4.5E-08 1	8E-08 1	2E-08 1	9E-08 2	3E-08 2	6E-08 2	6E-08 2	8E-08 2	6E-08 2	8E-08 3	3E-08 3	8E-08 3	1E-08 4	3E-08 5	8E-08 8	2E-08
7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.
8.0 KM															
4.9E-08 1	9E-08 1	3E-08 2	1E-08 2	6E-08 2	9E-08 2	8E-08 3	1E-08 2	8E-08 2	8E-08 2	9E-08 3	6E-08 2	7E-08 3	9E-08 3	5E-08 9	0E-08
4.0E-08 1	6E-08 1	0E-08 1	7E-08 2	1E-08 2	2E-08 2	3E-08 2	5E-08 2	3E-08 2	4E-08 2	8E-08 3	4E-08 2	6E-08 3	7E-08 5	3E-08 7	3E-08
3.5E-10 1	0E-10 4	9E-11 1	0E-10 1	1E-10 1	9E-10 2	3E-10 1	7E-10 1	2E-10 1	2E-10 1	2E-10 1	4E-10 9	0E-11 1	2E-10 1	8E-10 4	8E-10
4.8E-08 1	9E-08 1	3E-08 2	1E-08 2	6E-08 2	8E-08 2	9E-09 3	1E-08 2	7E-08 2	8E-08 2	9E-08 3	5E-08 2	7E-08 3	8E-08 5	4E-08 8	9E-08
4.9E-08 1	9E-08 1	3E-08 2	1E-08 2	6E-08 2	8E-08 2	8E-09 3	1E-08 2	8E-08 2	8E-08 2	9E-08 3	5E-08 2	7E-08 3	9E-08 5	5E-08 9	0E-08
3.9E-08 1	6E-09 1	0E-08 1	7E-08 2	0E-08 2	2E-08 2	2E-06 2	4E-08 2	2E-08 2	3E-08 2	8E-08 3	4E-08 2	6E-08 3	7E-08 5	3E-08 7	2E-08
3.9E-08 1	6E-08 1	0E-08 1	7E-08 2	0E-08 2	2E-08 2	3E-08 2	5E-08 2	2E-08 2	4E-08 2	8E-08 3	4E-08 2	6E-08 3	7E-08 5	3E-08 7	2E-08
8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.

TOTAL OBS = 8784 TOTAL INV OBS = 1270 CALMS UPPER LEVEL = 2.00 CALMS LOWER LEV = 0.05
KEY ENTRY 1 RELATIVE CONCENTRATION = XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 = DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
12.0 KM															
2.7E-08 1	2E-08 7	2E-09 1	2E-08 1	4E-08 1	6E-08 1	7E-08 1	8E-08 1	8E-08 1	6E-08 1	8E-08 2	1E-08 2	0E-08 2	5E-08 3	3E-08 5	2E-08
2.1E-08 1	0E-08 5	7E-09 9	7E-09 1	0E-08 1	2E-08 1	3E-08 1	4E-08 1	4E-08 1	4E-08 1	7E-08 1	9E-08 1	8E-08 2	3E-08 3	1.6E-08 4	0E-08
1.6E-10 5	2E-11 2	2E-11 4	9E-11 4	3E-11 5	1E-11 9	4E-11 1	2E-10 9	0E-11 5	2E-11 6	4E-11 6	7E-11 5	4E-11 6	3E-11 9	5E-11 2	5E-10
2.6E-08 1	2E-08 7	1E-09 1	2E-08 1	3E-08 1	6E-08 1	7E-08 1	8E-08 1	8E-08 1	6E-08 1	8E-08 2	0E-08 1	9E-08 2	4E-08 3	3E-08 5	1E-08
2.7E-08 1	2E-08 7	1E-09 1	2E-08 1	4E-08 1	6E-08 1	7E-08 1	8E-08 1	8E-08 1	6E-08 1	8E-08 2	0E-08 2	0E-08 2	5E-08 3	3E-08 5	2E-08
2.1E-08 9	9E-09 5	6E-09 9	6E-09 1	0E-08 1	2E-08 1	3E-08 1	4E-08 1	4E-08 1	3E-08 1	7E-08 1	9E-08 1	8E-08 2	3E-08 3	1.1E-08 3	9E-08
2.1E-08 1	0E-08 5	7E-09 9	7E-09 1	0E-08 1	2E-08 1	3E-08 1	4E-08 1	4E-08 1	4E-08 1	7E-08 1	9E-08 1	8E-08 2	3E-08 3	1.1E-08 4	0E-08
12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.
16.0 KM															
1.9E-08 9	6E-09 4	8E-09 8	6E-09 8	8E-09 1	1E-08 1	2E-08 1	3E-08 1	4E-08 1	1E-08 1	4E-08 1	3E-08 1	5E-08 1	9E-08 2	3E-08 3	5E-08
1.4E-08 7	8E-09 3	7E-09 6	5E-09 8	0E-09 8	7E-09 9	4E-09 1	1E-08 8	9E-09 1	3E-08 1	2E-08 1	3E-08 1	7E-08 2	1.2E-08 2	6E-08	
9.6E-11 3	4E-11 1	3E-11 3	0E-11 2	4E-11 3	0E-11 5	8E-11 7	0E-11 6	0E-11 2	8E-11 4	1E-11 3	6E-11 3	4E-11 4	0E-11 5	8E-11 1	4E-10
1.8E-09 9	3E-09 4	6E-09 8	4E-09 8	6E-09 1	1E-08 1	2E-08 1	4E-08 1	0E-08 1	3E-08 1	3E-08 1	4E-08 1	8E-08 2	3E-08 3	4E-08	
1.8E-08 9	5E-09 4	7E-09 8	5E-09 8	8E-09 1	1E-08 1	2E-08 1	3E-08 1	4E-08 1	1E-08 1	4E-08 1	3E-08 1	4E-08 1	9E-08 2	3E-08 3	5E-08
1.4E-08 7	6E-09 3	6E-09 6	4E-09 7	6E-09 8	6E-09 9	3E-09 1	1E-08 8	6E-09 1	2E-08 1	2E-08 1	3E-08 1	7E-08 2	1.6E-08 2	6E-08	
1.4E-08 7	8E-09 3	7E-09 6	6E-09 6	5E-09 8	0E-09 8	7E-09 9	4E-09 1	1E-08 8	8E-09 1	3E-08 1	2E-08 1	3E-08 1	7E-08 2	1.6E-08 2	6E-08
16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.
24.0 KM															
1.1E-08 5	6E-09 3	1.1E-09 4	7E-09 5	5E-09 6	2E-09 6	9E-09 6	9E-09 8	4E-09 7	2E-09 7	3E-09 7	9E-09 8	3E-09 1	0E-08 1	4E-08 2	2E-08
7.8E-09 4	5E-09 2	4E-09 3	5E-09 3	9E-09 4	3E-09 4	9E-09 4	9E-09 6	3E-09 5	9E-09 6	6E-09 6	9E-09 7	2E-09 9	1E-09 1	3E-08 1	6E-08
4.5E-11 1	6E-11 6	7E-12 1	4E-11 1	2E-11 1	4E-11 2	8E-11 3	2E-11 2	9E-11 1	5E-11 1	8E-11 1	8E-11 1	6E-11 1	8E-11 2	9E-11 7	5E-11
1.0E-08 5	3E-09 3	0E-09 4	6E-09 5	3E-09 5	9E-09 6	7E-09 6	8E-09 8	1E-09 6	9E-09 7	1E-09 7	7E-09 8	0E-09 1	0E-08 1	4E-08 2	1E-08
1.0E-08 5	5E-09 3	1E-09 4	7E-09 5	5E-09 6	1E-09 6	8E-09 6	9E-09 8	3E-09 7	1E-09 7	2E-09 7	8E-09 8	2E-09 1	0E-08 1	4E-08 2	2E-08
7.6E-09 4	3E-09 2	3E-09 3	4E-09 3	8E-09 4	1E-09 4	7.1E-09 4	8E-09 6	1E-09 5	6E-09 6	3E-09 6	7E-09 7	0E-09 8	8E-09 1	2E-08 1	5E-08
7.8E-09 4	4E-09 2	3E-09 3	5E-09 3	9E-09 4	3E-09 4	8E-09 4	9E-09 6	2E-09 5	8E-09 6	5E-09 6	9E-09 7	2E-09 9	1E-09 1	2E-08 1	6E-08
24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.
32.0 KM															
7.2E-09 3	7E-09 2	4E-09 3	1E-09 4	0E-09 4	2E-09 4	7E-09 4	5E-09 5	8E-09 5	4E-09 4	5E-09 5	4E-09 5	6E-09 7	5E-09 9	9E-09 1	6E-08
5.1E-09 3	0E-09 1	7E-09 2	2E-09 2	7E-09 2	8E-09 3	2E-09 3	1E-09 4	2E-09 4	3E-09 4	0E-09 4	7E-09 4	7E-09 6	4E-09 8	4E-09 1	1E-08
2.8E-11 9	1E-12 4	6E-12 7	8E-12 7	5E-12 8	0E-12 1	6E-11 1	7E-11 1	7E-11 9	4E-12 9	6E-12 9	9E-12 9	2E-12 1	1E-11 1	7E-11 4	0E-11
7.0E-09 3	5E-09 2	2E-09 2	9E-09 3	8E-09 4	0E-09 4	5E-09 4	3E-09 5	6E-09 5	1E-09 4	3E-09 5	2E-09 5	4E-09 7	2E-09 9	5E-09 1	6E-08
7.1E-09 3	7E-09 2	4E-09 3	0E-09 3	9E-09 4	2E-09 4	6E-09 4	4E-09 5	8E-09 5	3E-09 4	5E-09 5	4E-09 5	5E-09 7	4E-09 9	8E-09 1	6E-08
5.0E-09 2	8E-09 1	7E-09 2	1E-09 2	6E-09 2	7E-09 3	1E-09 3	0E-09 4	1E-09 4	1E-09 3	8E-09 4	5E-09 4	6E-09 6	2E-09 8	1E-09 1	1E-08
5.1E-09 2	9E-09 1	7E-09 2	2E-09 2	7E-09 2	8E-09 3	2E-09 3	1E-09 4	2E-09 4	2E-09 3	9E-09 4	6E-09 4	7E-09 6	4E-09 8	3E-09 1	1E-08
32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.

TOTAL OBS = 8784 TOTAL INV OBS = 1270 CALMS UPPER LEVEL = 2.00 CALMS LOWER LEV = 0.05
KEY ENTRY 1 RELATIVE CONCENTRATION = XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 = DISTANCE IN METERS

TABLE 2.3-72 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 03/05/79 TO 03/04/80

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS. - T/R CORRECTED
ONSITE METEOROLOGY
DATE 23-NOV-81 TIME 14 52 21

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
40.0 KM															
5.0E-09	2.3E-09	1.6E-09	2.5E-09	3.0E-09	3.1E-09	3.3E-09	3.5E-09	4.5E-09	3.9E-09	3.2E-09	4.1E-09	4.1E-09	5.7E-09	6.9E-09	1.1E-08
3.5E-09	1.8E-09	1.1E-09	1.8E-09	2.0E-09	2.0E-09	2.2E-09	2.3E-09	3.2E-09	3.0E-09	2.7E-09	3.4E-09	3.4E-09	4.8E-09	5.7E-09	7.6E-09
1.7E-11	5.2E-12	2.8E-12	5.5E-12	5.1E-12	5.1E-12	1.0E-11	1.2E-11	1.2E-11	5.9E-12	6.0E-12	6.7E-12	6.0E-12	7.5E-12	1.1E-11	2.9E-11
4.6E-09	2.1E-09	1.5E-09	2.4E-09	2.9E-09	2.9E-09	3.2E-09	3.3E-09	4.3E-09	3.6E-09	3.0E-09	3.9E-09	3.9E-09	5.4E-09	6.5E-09	1.1E-08
4.9E-09	2.2E-09	1.6E-09	2.4E-09	3.0E-09	3.0E-09	3.3E-09	3.4E-09	4.4E-09	3.8E-09	3.1E-09	4.0E-09	4.1E-09	5.6E-09	6.7E-09	1.1E-08
3.3E-09	1.6E-09	1.1E-09	1.7E-09	1.9E-09	1.9E-09	2.1E-09	2.2E-09	3.0E-09	2.6E-09	2.3E-09	3.0E-09	3.2E-09	4.5E-09	5.4E-09	7.3E-09
3.4E-09	1.7E-09	1.1E-09	1.8E-09	2.0E-09	2.0E-09	2.2E-09	2.3E-09	3.1E-09	3.0E-09	2.7E-09	3.4E-09	3.4E-09	4.7E-09	5.6E-09	7.5E-09
40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.
48.0 KM															
3.6E-09	1.6E-09	1.1E-09	2.1E-09	2.4E-09	2.4E-09	2.6E-09	2.8E-09	3.6E-09	3.0E-09	2.4E-09	3.1E-09	3.2E-09	4.5E-09	4.8E-09	8.9E-09
2.5E-09	1.2E-09	8.0E-10	1.5E-09	1.6E-09	1.5E-09	1.7E-09	1.8E-09	2.5E-09	2.3E-09	2.0E-09	2.7E-09	2.6E-09	3.7E-09	3.9E-09	5.9E-09
1.1E-11	3.3E-12	1.7E-12	4.2E-12	3.7E-12	3.7E-12	7.3E-12	8.9E-12	8.8E-12	4.1E-12	3.9E-12	4.7E-12	4.3E-12	5.2E-12	6.8E-12	1.1E-11
3.4E-09	1.4E-09	1.0E-09	2.0E-09	2.3E-09	2.2E-09	2.4E-09	2.6E-09	3.4E-09	2.7E-09	2.2E-09	2.9E-09	3.0E-09	4.2E-09	4.6E-09	8.5E-09
3.6E-09	1.5E-09	1.1E-09	2.1E-09	2.4E-09	2.3E-09	2.5E-09	2.7E-09	3.6E-09	2.9E-09	2.3E-09	3.0E-09	3.2E-09	4.4E-09	4.8E-09	8.8E-09
2.4E-09	1.1E-09	7.5E-10	1.4E-09	1.5E-09	1.4E-09	1.6E-09	1.7E-09	2.4E-09	2.1E-09	1.9E-09	2.6E-09	2.5E-09	3.5E-09	3.7E-09	5.6E-09
2.5E-09	1.2E-09	7.9E-10	1.5E-09	1.6E-09	1.5E-09	1.6E-09	1.8E-09	2.5E-09	2.3E-09	2.0E-09	2.7E-09	2.6E-09	3.7E-09	3.9E-09	5.8E-09
48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.
56.0 KM															
2.8E-09	1.1E-09	8.9E-10	1.8E-09	2.0E-09	1.9E-09	2.1E-09	2.4E-09	3.0E-09	2.3E-09	1.8E-09	2.4E-09	2.6E-09	3.8E-09	3.6E-09	7.3E-09
1.9E-09	8.3E-10	6.1E-10	1.2E-09	1.3E-09	1.2E-09	1.3E-09	1.5E-09	2.0E-09	1.8E-09	1.6E-09	2.0E-09	2.1E-09	3.7E-09	2.9E-09	4.6E-09
8.2E-12	2.1E-12	1.3E-12	3.5E-12	2.8E-12	2.7E-12	5.5E-12	7.1E-12	6.9E-12	3.1E-12	3.2E-12	4.0E-12	3.4E-12	4.8E-12	4.8E-12	8.6E-12
2.7E-09	1.0E-09	8.2E-10	1.7E-09	1.8E-09	1.7E-09	2.0E-09	2.2E-09	2.8E-09	2.1E-09	1.7E-09	2.3E-09	2.5E-09	3.6E-09	3.4E-09	6.8E-09
2.8E-09	1.1E-09	8.7E-10	1.7E-09	1.9E-09	1.8E-09	2.0E-09	2.3E-09	2.9E-09	2.2E-09	1.8E-09	2.4E-09	2.6E-09	3.7E-09	3.5E-09	7.0E-09
1.8E-09	7.5E-10	5.7E-10	1.1E-09	1.2E-09	1.1E-09	1.2E-09	1.4E-09	1.9E-09	1.6E-09	1.5E-09	2.0E-09	2.0E-09	3.4E-09	2.7E-09	4.4E-09
1.9E-09	8.1E-10	6.0E-10	1.2E-09	1.3E-09	1.1E-09	1.3E-09	1.5E-09	2.0E-09	1.7E-09	1.6E-09	2.2E-09	2.1E-09	3.6E-09	2.9E-09	4.5E-09
56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.
64.0 KM															
2.3E-09	9.0E-10	7.1E-10	1.4E-09	1.5E-09	1.7E-09	1.7E-09	1.7E-09	2.3E-09	1.9E-09	1.4E-09	1.9E-09	2.3E-09	3.1E-09	3.2E-09	5.7E-09
1.5E-09	6.7E-10	4.8E-10	9.2E-10	9.6E-10	1.0E-09	1.0E-09	1.1E-09	1.5E-09	1.4E-09	1.3E-09	1.7E-09	2.0E-09	2.9E-09	2.5E-09	3.6E-09
6.4E-12	1.7E-12	9.8E-13	2.5E-12	2.0E-12	2.2E-12	4.1E-12	4.9E-12	5.1E-12	2.4E-12	2.6E-12	4.4E-12	3.7E-12	5.9E-12	4.1E-12	1.2E-11
2.2E-09	8.0E-10	6.5E-10	1.3E-09	1.4E-09	1.5E-09	1.5E-09	1.6E-09	2.2E-09	1.7E-09	1.3E-09	1.8E-09	2.2E-09	2.8E-09	3.0E-09	5.4E-09
2.3E-09	8.7E-10	6.9E-10	1.3E-09	1.5E-09	1.6E-09	1.6E-09	1.7E-09	2.3E-09	1.8E-09	1.4E-09	1.9E-09	2.3E-09	3.0E-09	3.2E-09	5.6E-09
1.4E-09	6.0E-10	4.4E-10	8.5E-10	8.8E-10	9.3E-10	9.6E-10	1.0E-09	1.4E-09	1.3E-09	1.2E-09	1.6E-09	1.9E-09	2.7E-09	2.4E-09	3.4E-09
1.5E-09	6.5E-10	4.7E-10	9.0E-10	9.4E-10	1.0E-09	1.1E-09	1.1E-09	1.5E-09	1.4E-09	1.3E-09	1.7E-09	2.0E-09	2.8E-09	2.5E-09	3.5E-09
64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 2.00 CALMS LOWER LEV - 0.05
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
72.0 KM															
1.9E-09	7.8E-10	6.1E-10	1.1E-09	1.3E-09	1.3E-09	1.5E-09	1.3E-09	1.4E-09	1.8E-09	1.5E-09	1.2E-09	1.6E-09	2.2E-09	2.6E-09	2.9E-09	4.8E-09
1.3E-09	5.8E-10	4.0E-10	7.5E-10	8.1E-10	9.3E-10	8.3E-10	8.4E-10	1.2E-09	1.1E-09	1.1E-09	1.4E-09	1.9E-09	2.4E-09	2.1E-09	2.9E-09
4.9E-12	1.4E-12	8.0E-13	2.0E-12	1.7E-12	2.0E-12	3.2E-12	3.6E-12	3.7E-12	1.9E-12	2.8E-12	3.3E-12	3.2E-12	4.5E-12	4.7E-12	9.5E-12
1.8E-09	6.9E-10	5.5E-10	1.0E-09	1.4E-09	1.2E-09	1.3E-09	1.3E-09	1.6E-09	1.3E-09	1.1E-09	1.4E-09	2.0E-09	2.3E-09	2.0E-09	4.2E-09
1.9E-09	7.5E-10	5.9E-10	1.1E-09	1.3E-09	1.5E-09	1.3E-09	1.3E-09	1.7E-09	1.4E-09	1.2E-09	1.5E-09	2.2E-09	2.5E-09	2.9E-09	4.7E-09
1.2E-09	5.0E-10	3.7E-10	6.9E-10	7.3E-10	8.3E-10	7.6E-10	7.7E-10	1.1E-09	9.8E-10	9.7E-10	1.2E-09	1.7E-09	2.2E-09	2.4E-09	3.7E-09
1.2E-09	5.5E-10	3.9E-10	7.3E-10	7.9E-10	9.0E-10	8.1E-10	8.2E-10	1.1E-09	1.1E-09	1.0E-09	1.3E-09	1.8E-09	2.3E-09	2.5E-09	3.9E-09
72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.
80.0 KM															
1.7E-09	7.1E-10	4.9E-10	8.7E-10	1.1E-09	1.4E-09	1.1E-09	1.1E-09	1.4E-09	1.3E-09	1.0E-09	1.3E-09	1.9E-09	2.2E-09	2.7E-09	4.0E-09
1.1E-09	5.2E-10	3.2E-10	5.7E-10	6.4E-10	8.3E-10	6.9E-10	6.5E-10	9.0E-10	9.5E-10	9.0E-10	1.1E-09	1.7E-09	2.0E-09	2.4E-09	2.4E-09
4.2E-12	1.2E-12	6.2E-13	1.4E-12	1.3E-12	1.7E-12	2.5E-12	2.7E-12	2.8E-12	1.5E-12	2.2E-12	2.6E-12	3.4E-12	3.8E-12	5.1E-12	7.6E-12
1.5E-09	6.2E-10	4.4E-10	7.8E-10	9.6E-10	1.0E-09	1.0E-09	9.9E-10	1.3E-09	1.1E-09	9.0E-10	1.2E-09	1.7E-09	2.0E-09	2.4E-09	3.7E-09
1.8E-09	6.8E-10	4.8E-10	8.4E-10	1.0E-09	1.4E-09	1.1E-09	1.1E-09	1.4E-09	1.2E-09	9.8E-10	1.3E-09	1.9E-09	2.1E-09	2.6E-09	3.9E-09
9.6E-10	4.5E-10	2.9E-10	5.2E-10	5.8E-10	7.4E-10	6.3E-10	6.0E-10	8.2E-10	8.1E-10	8.0E-10	1.0E-09	1.6E-09	1.8E-09	2.2E-09	2.2E-09
1.0E-09	5.0E-10	3.1E-10	5.5E-10	6.2E-10	8.0E-10	6.7E-10	6.3E-10	8.9E-10	9.0E-10	8.7E-10	1.1E-09	1.7E-09	1.9E-09	2.3E-09	2.3E-09
80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 2.00 CALMS LOWER LEV - 0.05
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-73

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 03/05/79 TO 03/04/80

ANNUAL AVERAGE (MIXED MODE) — WOLF CREEK GENERATING STATION
SPECIAL PTS. - T/R CORRECTED — KANSAS GAS AND ELECTRIC CO.
ONSITE METEOROLOGY — BURLINGTON, KANSAS
DATE 23-NOV-81 TIME 14:57:15 — DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
EXCLUSION BOUNDARY															
5.6E-07	2.3E-07	1.6E-07	2.4E-07	2.8E-07	3.0E-07	3.4E-07	3.6E-07	3.1E-07	2.5E-07	2.9E-07	3.8E-07	3.5E-07	4.0E-07	5.2E-07	9.0E-07
5.2E-07	2.1E-07	1.4E-07	2.1E-07	2.5E-07	3.4E-07	3.1E-07	3.3E-07	2.8E-07	2.3E-07	2.6E-07	3.4E-07	3.1E-07	3.7E-07	4.6E-07	8.7E-07
9.0E-09	2.7E-09	1.2E-09	2.2E-09	2.0E-09	2.7E-09	4.1E-09	4.7E-09	3.4E-09	2.0E-09	2.2E-09	2.7E-09	2.0E-09	2.3E-09	3.3E-09	1.1E-08
5.6E-07	2.3E-07	1.6E-07	2.4E-07	2.8E-07	3.8E-07	3.4E-07	3.6E-07	3.1E-07	2.5E-07	2.9E-07	3.8E-07	3.5E-07	4.0E-07	5.2E-07	9.7E-07
5.8E-07	2.3E-07	1.6E-07	2.4E-07	2.8E-07	3.8E-07	3.4E-07	3.6E-07	3.1E-07	2.5E-07	2.9E-07	3.8E-07	3.5E-07	4.0E-07	5.2E-07	9.7E-07
5.2E-07	2.1E-07	1.4E-07	2.1E-07	2.5E-07	3.4E-07	3.1E-07	3.3E-07	2.8E-07	2.3E-07	2.6E-07	3.4E-07	3.1E-07	3.7E-07	4.6E-07	8.7E-07
5.2E-07	2.1E-07	1.4E-07	2.1E-07	2.5E-07	3.4E-07	3.1E-07	3.3E-07	2.8E-07	2.3E-07	2.6E-07	3.4E-07	3.1E-07	3.6E-07	4.6E-07	8.7E-07
1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
LOW POPULATION ZONE															
1.1E-07	4.4E-08	3.2E-08	6.7E-08	5.8E-08	6.7E-08	7.1E-08	7.5E-08	7.4E-08	6.0E-08	6.3E-08	7.7E-08	6.9E-08	8.4E-08	1.1E-07	2.1E-07
9.6E-08	3.8E-08	2.7E-08	5.7E-08	4.8E-08	5.5E-08	6.0E-08	6.3E-08	5.3E-08	5.2E-08	5.4E-08	6.5E-08	5.8E-08	7.0E-08	9.4E-08	1.8E-07
1.1E-09	3.4E-10	1.7E-10	4.6E-10	3.1E-10	3.6E-10	6.3E-10	7.2E-10	5.9E-10	3.6E-10	3.6E-10	4.1E-10	3.1E-10	3.7E-10	5.4E-10	1.6E-09
1.1E-07	4.3E-08	3.1E-08	6.7E-08	5.8E-08	6.7E-08	7.1E-08	7.5E-08	7.4E-08	6.0E-08	6.3E-08	7.6E-08	6.9E-08	8.3E-08	1.1E-07	2.1E-07
1.1E-07	4.4E-08	3.1E-08	6.7E-08	5.8E-08	6.7E-08	7.1E-08	7.5E-08	7.4E-08	6.0E-08	6.3E-08	7.6E-08	6.9E-08	8.4E-08	1.1E-07	2.1E-07
9.5E-08	3.7E-08	2.6E-08	5.6E-08	4.8E-08	5.5E-08	5.9E-08	6.3E-08	5.3E-08	5.2E-08	5.4E-08	6.5E-08	5.8E-08	7.0E-08	9.4E-08	1.8E-07
9.6E-08	3.8E-08	2.7E-08	5.7E-08	4.8E-08	5.5E-08	6.0E-08	6.3E-08	5.3E-08	5.2E-08	5.4E-08	6.5E-08	5.8E-08	7.0E-08	9.4E-08	1.8E-07
4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.
NEAREST RESIDENT															
8.7E-08	7.7E-08	4.6E-08	8.9E-08	9.9E-08	1.5E-07	5.6E-08	4.8E-08	7.4E-08	7.2E-08	5.7E-08	9.0E-08	5.7E-08	1.9E-07	1.4E-07	4.6E-07
7.3E-08	6.7E-08	3.9E-08	7.7E-08	8.5E-08	1.3E-07	4.6E-08	3.9E-08	6.3E-08	6.3E-08	4.9E-08	7.7E-08	4.8E-08	1.6E-07	1.2E-07	4.0E-07
7.7E-10	6.9E-10	2.8E-10	6.9E-10	6.0E-10	9.6E-10	4.6E-10	4.1E-10	5.9E-10	4.6E-10	3.2E-10	5.1E-10	2.4E-10	1.0E-09	6.9E-10	4.3E-09
8.7E-08	7.7E-08	4.6E-08	8.8E-08	9.9E-08	1.5E-07	5.6E-08	4.7E-08	7.4E-08	7.2E-08	5.7E-08	8.9E-08	5.7E-08	1.9E-07	1.4E-07	4.5E-07
8.7E-08	7.7E-08	4.6E-08	8.9E-08	9.9E-08	1.5E-07	5.6E-08	4.8E-08	7.4E-08	7.2E-08	5.7E-08	9.0E-08	5.7E-08	1.9E-07	1.4E-07	4.6E-07
7.2E-08	6.7E-08	3.9E-08	7.6E-08	8.4E-08	1.3E-07	4.6E-08	3.9E-08	6.2E-08	6.2E-08	4.9E-08	7.6E-08	4.7E-08	1.6E-07	1.2E-07	3.9E-07
7.3E-08	6.7E-08	3.9E-08	7.7E-08	8.5E-08	1.3E-07	4.6E-08	3.9E-08	6.3E-08	6.3E-08	4.9E-08	7.7E-08	4.8E-08	1.6E-07	1.2E-07	4.0E-07
4908.	2816.	3138.	2816.	2735.	2333.	4827.	5632.	4023.	3379.	4344.	3540.	4666.	2092.	3540.	2172.
NEAREST VEGETABLE															
7.1E-08	5.8E-08	3.7E-08	8.9E-08	9.9E-08	1.5E-07	5.2E-08	4.8E-08	7.1E-08	5.1E-08	5.7E-08	9.0E-08	5.7E-08	1.7E-07	1.3E-07	4.6E-07
5.9E-08	5.0E-08	3.2E-08	7.7E-08	8.5E-08	1.3E-07	4.3E-08	3.9E-08	6.2E-08	5.4E-08	4.9E-08	7.7E-08	4.8E-08	1.4E-07	1.1E-07	4.0E-07
5.8E-10	4.8E-10	2.1E-10	6.9E-10	6.0E-10	9.6E-10	4.2E-10	4.1E-10	5.9E-10	4.2E-10	3.2E-10	5.1E-10	2.4E-10	8.8E-10	6.5E-10	4.3E-09
7.1E-08	5.8E-08	3.7E-08	8.3E-08	9.9E-08	1.5E-07	5.2E-08	4.7E-08	7.1E-08	5.0E-08	5.7E-08	8.9E-08	5.7E-08	1.7E-07	1.3E-07	4.5E-07
7.1E-08	5.8E-08	3.7E-08	8.9E-08	9.9E-08	1.5E-07	5.2E-08	4.8E-08	7.1E-08	5.1E-08	5.7E-08	9.0E-08	5.7E-08	1.7E-07	1.3E-07	4.6E-07
5.9E-08	5.0E-08	3.1E-08	7.6E-08	8.4E-08	1.3E-07	4.3E-08	3.9E-08	6.2E-08	5.4E-08	4.9E-08	7.6E-08	4.8E-08	1.4E-07	1.1E-07	3.9E-07
5.9E-08	5.0E-08	3.2E-08	7.7E-08	8.5E-08	1.3E-07	4.3E-08	3.9E-08	6.2E-08	5.4E-08	4.9E-08	7.7E-08	4.8E-08	1.4E-07	1.1E-07	4.0E-07
5792.	3379.	3540.	2816.	2735.	2333.	5149.	5632.	7401.	4827.	4344.	3540.	4666.	2253.	3620.	2172.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 2.00 CALMS LOWER LEV - 0.05
KEY ENTRY 1 RELATIVE CONCENTRATION - XDQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XDQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XDQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XDQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XDQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
NEAREST MEAT ANIMAL															
5.2E-07	2.2E-07	1.6E-07	1.3E-07	1.5E-07	1.9E-07	5.2E-08	5.2E-08	5.0E-08	9.9E-08	1.1E-07	1.3E-07	5.6E-08	9.1E-08	1.5E-07	6.0E-07
4.6E-07	2.0E-07	1.4E-07	1.1E-07	1.3E-07	1.6E-07	4.3E-08	4.3E-08	4.2E-08	8.7E-08	9.7E-08	1.1E-07	4.6E-08	7.7E-08	1.3E-07	5.3E-07
7.1E-09	2.6E-09	1.2E-09	1.1E-09	9.8E-10	1.3E-09	4.2E-10	4.5E-10	3.6E-10	6.9E-10	7.4E-10	7.7E-10	2.3E-10	4.1E-10	7.8E-10	1.1E-09
5.2E-07	2.2E-07	1.6E-07	1.3E-07	1.5E-07	1.9E-07	5.2E-08	5.2E-08	4.9E-08	9.8E-08	1.1E-07	1.3E-07	5.5E-08	9.1E-08	1.5E-07	6.0E-07
5.2E-07	2.2E-07	1.6E-07	1.3E-07	1.5E-07	1.9E-07	5.2E-08	5.2E-08	5.0E-08	9.9E-08	1.1E-07	1.3E-07	5.5E-08	9.1E-08	1.5E-07	6.0E-07
4.6E-07	2.0E-07	1.4E-07	1.1E-07	1.3E-07	1.6E-07	4.3E-08	4.3E-08	4.1E-08	8.6E-08	9.7E-08	1.1E-07	4.6E-08	7.6E-08	1.3E-07	5.3E-07
4.6E-07	2.0E-07	1.4E-07	1.1E-07	1.3E-07	1.6E-07	4.3E-08	4.3E-08	4.1E-08	8.7E-08	9.7E-08	1.1E-07	4.6E-08	7.6E-08	1.3E-07	5.3E-07
1287.	1207.	1207.	1931.	2011.	1931.	5149.	5310.	5310.	2574.	2414.	2735.	4827.	3701.	3218.	1770.
NEAREST DAIRY COW															
5.2E-08	3.4E-08	8.9E-08	1.5E-07	1.9E-07	3.9E-08				3.1E-08			6.2E-08	1.5E-07		
4.2E-08	2.9E-08	7.7E-08	1.3E-07	1.6E-07	3.1E-08				2.6E-08			5.1E-08	1.3E-07		
3.9E-10	2.4E-10	NONE 6.9E-10	9.8E-10	1.3E-09	2.9E-10	NONE	NONE	NONE	1.4E-10	NONE	NONE	2.3E-10	7.8E-10	NONE	
5.2E-08	3.4E-08	IN 8.8E-08	1.5E-07	1.9E-07	3.9E-08	IN	IN	IN	3.1E-08	IN	IN	6.2E-08	1.5E-07	IN	
5.2E-08	3.4E-08	THIS 8.9E-08	1.5E-07	1.9E-07	3.9E-08	THIS	THIS	THIS	3.1E-08	THIS	THIS	6.2E-08	1.5E-07	THIS	
4.2E-08	2.9E-08	SECTOR 7.6E-08	1.3E-07	1.6E-07	3.1E-08	SECTOR	SECTOR	SECTOR	2.6E-08	SECTOR	SECTOR	5.1E-08	1.3E-07	SECTOR	
4.2E-08	2.9E-08	7.7E-08	1.3E-07	1.6E-07	3.1E-08				2.6E-08			5.1E-08	1.3E-07		
7562.	4827.	2816.	2011.	1931.	6436.				7562.			5632.	3218.		
NEAREST PLANT BOUNDARY															
3.4E-07	1.2E-07	7.0E-08	1.3E-07	1.5E-07	2.1E-07	5.6E-08	5.2E-08	1.1E-07	1.0E-07	1.1E-07	1.2E-07	8.5E-08	8.1E-08	2.2E-07	6.1E-07
3.0E-07	1.1E-07	6.1E-08	1.1E-07	1.3E-07	1.8E-07	4.6E-08	4.3E-08	9.6E-08	9.2E-08	9.7E-08	1.0E-07	7.2E-08	6.8E-08	1.9E-07	5.3E-07
4.3E-09	1.2E-09	4.6E-10	1.1E-09	1.0E-09	1.4E-09	4.6E-10	4.5E-10	1.0E-09	7.4E-10	7.4E-10	7.2E-10	4.1E-10	3.3E-10	1.3E-09	6.2E-09
3.3E-07	1.2E-07	6.9E-08	1.3E-07	1.5E-07	2.1E-07	5.6E-08	5.2E-08	1.1E-07	1.0E-07	1.1E-07	1.2E-07	8.4E-08	8.1E-08	2.2E-07	6.1E-07
3.4E-07	1.2E-07	7.0E-08	1.3E-07	1.5E-07	2.1E-07	5.6E-08	5.2E-08	1.1E-07	1.0E-07	1.1E-07	1.2E-07	8.4E-08	8.1E-08	2.2E-07	6.1E-07
3.0E-07	1.1E-07	6.0E-08	1.1E-07	1.3E-07	1.8E-07	4.6E-08	4.3E-08	9.5E-08	9.1E-08	9.7E-08	1.0E-07	7.1E-08	6.8E-08	1.9E-07	5.3E-07
3.0E-07	1.1E-07	6.1E-08	1.1E-07	1.3E-07	1.8E-07	4.6E-08	4.3E-08	9.6E-08	9.2E-08	9.7E-08	1.0E-07	7.2E-08	6.8E-08	1.9E-07	5.3E-07
1754.	2076.	2365.	1931.	1931.	1066.	4827.	5310.	2767.	2478.	2414.	2880.	3379.	4183.	2349.	1758.

TOTAL OBS - 8784 TOTAL INV OBS - 1270 CALMS UPPER LEVEL - 2.00 CALMS LOWER LEV - 0.05
KEY ENTRY 1 RELATIVE CONCENTRATION - XDQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XDQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XDQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XDQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XDQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-74

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 05/04/75

ANNUAL AVERAGE (GROUND) — WOLF CREEK GENERATING STATION
STANDARD PTS. - T/R CORRECTED — KANSAS GAS AND ELECTRIC CO.
ONSITE METEOROLOGY - 3 YEARS — BURLINGTON, KANSAS
DATE 23-NOV-81 TIME 10:13:10 — DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
0.4 KM																
	6.5E-06	3.1E-06	3.2E-06	5.3E-06	4.1E-06	4.9E-06	5.0E-06	4.8E-06	5.3E-06	4.7E-06	4.9E-06	5.1E-06	4.9E-06	7.6E-06	1.1E-05	1.2E-05
	6.1E-06	3.0E-06	3.0E-06	5.0E-06	3.9E-06	4.6E-06	4.5E-06	5.0E-06	4.4E-06	4.7E-06	4.9E-06	4.6E-06	5.2E-06	6.6E-06	1.0E-05	1.1E-05
	5.5E-06	2.9E-06	1.4E-06	2.5E-06	2.0E-06	2.8E-06	4.0E-06	3.6E-06	3.2E-06	2.4E-06	2.5E-06	2.5E-06	2.6E-06	3.2E-06	5.5E-06	9.7E-06
	6.5E-06	3.1E-06	3.2E-06	5.3E-06	4.1E-06	4.8E-06	5.0E-06	4.8E-06	5.3E-06	4.7E-06	4.9E-06	5.1E-06	4.9E-06	7.6E-06	1.1E-05	1.2E-05
	6.5E-06	3.1E-06	3.2E-06	5.3E-06	4.1E-06	4.8E-06	5.0E-06	4.8E-06	5.3E-06	4.7E-06	4.9E-06	5.1E-06	4.9E-06	7.6E-06	1.1E-05	1.2E-05
	6.1E-06	2.9E-06	3.0E-06	5.0E-06	3.9E-06	4.6E-06	4.5E-06	5.0E-06	4.4E-06	4.7E-06	4.9E-06	4.6E-06	5.2E-06	6.6E-06	1.0E-05	1.1E-05
	6.1E-06	3.0E-06	3.0E-06	5.0E-06	3.9E-06	4.6E-06	4.5E-06	5.0E-06	4.4E-06	4.7E-06	4.9E-06	4.6E-06	5.2E-06	6.6E-06	1.0E-05	1.1E-05
	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.
0.8 KM																
	2.0E-06	9.9E-07	1.0E-06	1.6E-06	1.4E-06	1.5E-06	1.5E-06	1.7E-06	1.7E-06	1.5E-06	1.5E-06	1.8E-06	1.6E-06	2.5E-06	3.6E-06	3.7E-06
	1.8E-06	9.1E-07	9.2E-07	1.4E-06	1.3E-06	1.4E-06	1.3E-06	1.5E-06	1.5E-06	1.3E-06	1.4E-06	1.7E-06	1.5E-06	2.3E-06	3.2E-06	3.4E-06
	1.8E-06	7.0E-07	4.6E-09	8.1E-09	7.5E-09	9.7E-09	1.2E-08	1.3E-08	1.1E-08	7.9E-09	8.3E-09	9.5E-09	9.1E-09	1.2E-08	2.0E-08	2.2E-08
	2.0E-06	9.9E-07	1.0E-06	1.6E-06	1.4E-06	1.5E-06	1.5E-06	1.6E-06	1.7E-06	1.5E-06	1.5E-06	1.8E-06	1.6E-06	2.5E-06	3.5E-06	3.7E-06
	2.0E-06	9.9E-07	1.0E-06	1.6E-06	1.4E-06	1.5E-06	1.5E-06	1.6E-06	1.7E-06	1.5E-06	1.5E-06	1.8E-06	1.6E-06	2.5E-06	3.5E-06	3.7E-06
	1.8E-06	9.1E-07	9.2E-07	1.4E-06	1.3E-06	1.4E-06	1.3E-06	1.5E-06	1.5E-06	1.3E-06	1.4E-06	1.7E-06	1.5E-06	2.3E-06	3.2E-06	3.4E-06
	1.8E-06	9.1E-07	9.2E-07	1.4E-06	1.3E-06	1.4E-06	1.3E-06	1.5E-06	1.5E-06	1.3E-06	1.4E-06	1.7E-06	1.5E-06	2.3E-06	3.2E-06	3.4E-06
	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
1.2 KM																
	1.0E-06	5.1E-07	5.0E-07	7.3E-07	7.3E-07	8.1E-07	7.5E-07	8.4E-07	8.7E-07	7.7E-07	7.9E-07	1.0E-06	7.9E-07	1.3E-06	1.8E-06	1.9E-06
	9.0E-07	4.6E-07	4.5E-07	6.6E-07	5.5E-07	7.2E-07	6.7E-07	7.5E-07	7.7E-07	6.9E-07	7.0E-07	9.2E-07	7.0E-07	1.2E-06	1.6E-06	1.7E-06
	9.2E-09	3.5E-09	2.3E-09	3.8E-09	3.8E-09	5.0E-09	6.2E-09	6.4E-09	5.5E-09	4.1E-09	4.2E-09	5.2E-09	4.4E-09	6.0E-09	9.8E-09	1.6E-08
	1.0E-06	5.1E-07	5.0E-07	7.3E-07	7.3E-07	8.1E-07	7.5E-07	8.4E-07	8.7E-07	7.7E-07	7.9E-07	1.0E-06	7.9E-07	1.3E-06	1.8E-06	1.9E-06
	1.0E-06	5.1E-07	5.0E-07	7.3E-07	7.3E-07	8.1E-07	7.5E-07	8.4E-07	8.7E-07	7.7E-07	7.9E-07	1.0E-06	7.9E-07	1.3E-06	1.8E-06	1.9E-06
	9.0E-07	4.6E-07	4.5E-07	6.5E-07	5.5E-07	7.2E-07	6.7E-07	7.5E-07	7.7E-07	6.8E-07	7.0E-07	9.2E-07	7.0E-07	1.2E-06	1.6E-06	1.7E-06
	9.0E-07	4.6E-07	4.5E-07	6.6E-07	6.5E-07	7.2E-07	6.7E-07	7.5E-07	7.7E-07	6.8E-07	7.0E-07	9.2E-07	7.0E-07	1.2E-06	1.6E-06	1.7E-06
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
1.6 KM																
	6.8E-07	3.5E-07	3.5E-07	4.5E-07	4.7E-07	5.4E-07	5.0E-07	5.3E-07	5.7E-07	4.9E-07	5.0E-07	6.4E-07	5.2E-07	8.6E-07	1.2E-06	1.3E-06
	5.9E-07	3.1E-07	3.0E-07	3.9E-07	4.1E-07	4.7E-07	4.3E-07	4.6E-07	5.0E-07	4.3E-07	4.4E-07	5.6E-07	4.6E-07	7.5E-07	1.1E-06	1.1E-06
	6.0E-09	2.4E-09	1.5E-09	2.2E-09	2.4E-09	3.3E-09	4.0E-09	3.9E-09	3.5E-09	2.7E-09	2.6E-09	3.1E-09	2.8E-09	3.8E-09	6.3E-09	1.0E-08
	6.9E-07	3.5E-07	3.4E-07	4.4E-07	4.7E-07	5.3E-07	5.0E-07	5.2E-07	5.7E-07	4.9E-07	5.0E-07	6.4E-07	5.2E-07	8.6E-07	1.2E-06	1.3E-06
	6.8E-07	3.5E-07	3.4E-07	4.4E-07	4.7E-07	5.4E-07	5.0E-07	5.3E-07	5.7E-07	4.9E-07	5.0E-07	6.4E-07	5.2E-07	8.6E-07	1.2E-06	1.3E-06
	5.9E-07	3.1E-07	3.0E-07	3.9E-07	4.1E-07	4.7E-07	4.3E-07	4.6E-07	4.9E-07	4.3E-07	4.4E-07	5.6E-07	4.6E-07	7.5E-07	1.1E-06	1.1E-06
	5.9E-07	3.1E-07	3.0E-07	3.9E-07	4.1E-07	4.7E-07	4.3E-07	4.6E-07	5.0E-07	4.3E-07	4.4E-07	5.6E-07	4.6E-07	7.5E-07	1.1E-06	1.1E-06
	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.	1600.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 10.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
2.4 KM																
	3.9E-07	2.1E-07	2.0E-07	2.2E-07	2.5E-07	3.0E-07	2.8E-07	2.7E-07	3.1E-07	2.7E-07	2.7E-07	3.4E-07	2.8E-07	4.7E-07	6.4E-07	6.8E-07
	3.3E-07	1.7E-07	1.7E-07	1.9E-07	2.2E-07	2.5E-07	2.3E-07	2.3E-07	2.6E-07	2.3E-07	2.3E-07	2.8E-07	2.3E-07	3.9E-07	5.4E-07	5.7E-07
	3.2E-09	1.3E-09	8.3E-10	1.0E-09	1.2E-09	1.7E-09	2.1E-09	1.9E-09	1.8E-09	1.3E-09	1.3E-09	1.5E-09	1.4E-09	1.9E-09	3.1E-09	5.0E-09
	3.9E-07	2.0E-07	2.0E-07	2.2E-07	2.5E-07	3.0E-07	2.7E-07	2.7E-07	3.1E-07	2.7E-07	2.7E-07	3.3E-07	2.8E-07	4.6E-07	6.4E-07	6.7E-07
	3.9E-07	2.1E-07	2.0E-07	2.2E-07	2.5E-07	3.0E-07	2.7E-07	2.7E-07	3.1E-07	2.7E-07	2.7E-07	3.3E-07	2.8E-07	4.7E-07	6.4E-07	6.8E-07
	3.3E-07	1.7E-07	1.7E-07	1.9E-07	2.1E-07	2.5E-07	2.3E-07	2.3E-07	2.6E-07	2.3E-07	2.3E-07	2.8E-07	2.3E-07	3.9E-07	5.4E-07	5.7E-07
	3.3E-07	1.7E-07	1.7E-07	1.9E-07	2.1E-07	2.5E-07	2.3E-07	2.3E-07	2.6E-07	2.3E-07	2.3E-07	2.8E-07	2.3E-07	3.9E-07	5.4E-07	5.7E-07
	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.	2400.
3.2 KM																
	2.5E-07	1.4E-07	1.2E-07	1.5E-07	1.7E-07	1.9E-07	1.9E-07	1.8E-07	2.1E-07	1.7E-07	1.8E-07	2.1E-07	2.0E-07	3.1E-07	4.5E-07	4.5E-07
	2.1E-07	1.1E-07	1.0E-07	1.2E-07	1.4E-07	1.6E-07	1.6E-07	1.5E-07	1.7E-07	1.4E-07	1.5E-07	1.7E-07	1.7E-07	2.6E-07	3.7E-07	3.7E-07
	1.9E-09	7.8E-10	4.7E-10	6.4E-10	7.0E-10	1.0E-09	1.4E-09	1.2E-09	1.2E-09	7.7E-10	8.1E-10	9.6E-10	8.6E-10	1.2E-09	2.0E-09	3.1E-09
	2.5E-07	1.3E-07	1.2E-07	1.4E-07	1.7E-07	1.9E-07	1.9E-07	1.8E-07	2.1E-07	1.7E-07	1.8E-07	2.1E-07	2.0E-07	3.1E-07	4.4E-07	4.4E-07
	2.5E-07	1.2E-07	1.2E-07	1.5E-07	1.7E-07	1.9E-07	1.9E-07	1.8E-07	2.1E-07	1.7E-07	1.8E-07	2.1E-07	2.0E-07	3.1E-07	4.5E-07	4.5E-07
	2.0E-07	1.1E-07	9.9E-08	1.2E-07	1.4E-07	1.6E-07	1.6E-07	1.5E-07	1.7E-07	1.4E-07	1.5E-07	1.7E-07	1.7E-07	2.6E-07	3.7E-07	3.6E-07
	2.0E-07	1.1E-07	1.0E-07	1.2E-07	1.4E-07	1.6E-07	1.6E-07	1.5E-07	1.7E-07	1.4E-07	1.5E-07	1.7E-07	1.7E-07	2.6E-07	3.7E-07	3.7E-07
	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.	3200.
4.0 KM																
	1.8E-07	9.1E-08	8.4E-08	1.1E-07	1.3E-07	1.4E-07	1.4E-07	1.4E-07	1.6E-07	1.2E-07	1.4E-07	1.4E-07	1.5E-07	2.2E-07	3.2E-07	3.2E-07
	1.4E-07	7.3E-08	6.7E-08	8.6E-08	1.1E-07	1.1E-07	1.2E-07	1.1E-07	1.3E-07	1.0E-07	1.1E-07	1.1E-07	1.1E-07	1.8E-07	2.6E-07	2.6E-07
	1.2E-09	4.9E-10	3.0E-10	4.4E-10	5.4E-10	6.8E-10	9.5E-10	8.4E-10	8.1E-10	5.3E-10	5.8E-10	6.5E-10	6.7E-10	7.9E-10	1.3E-09	2.1E-09
	1.8E-07	9.0E-08	8.3E-08	1.1E-07	1.3E-07	1.4E-07	1.4E-07	1.4E-07	1.6E-07	1.2E-07	1.4E-07	1.4E-07	1.5E-07	2.2E-07	3.2E-07	3.2E-07
	1.8E-07	9.1E-08	8.4E-08	1.1E-07	1.3E-07	1.4E-07	1.4E-07	1.4E-07	1.6E-07	1.2E-07	1.4E-07	1.4E-07	1.5E-07	2.2E-07	3.2E-07	3.2E-07
	1.4E-07	7.3E-08	6.7E-08	8.5E-08	1.0E-07	1.1E-07	1.1E-07	1.1E-07	1.3E-07	1.0E-07	1.1E-07	1.1E-07	1.2E-07	1.8E-07	2.6E-07	2.6E-07
	1.4E-07	7.3E-08	6.7E-08	8.5E-08	1.1E-07	1.1E-07	1.1E-07	1.1E-07	1.3E-07	1.0E-07	1.1E-07	1.1E-07	1.2E-07	1.8E-07	2.6E-07	2.6E-07
	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.	4000.
4.8 KM																
	1.4E-07	6.9E-08	6.1E-08	7.3E-08	8.8E-08	1.0E-07	1.1E-07	1.1E-07	1.2E-07	9.6E-08	1.1E-07	1.2E-07	1.2E-07	1.8E-07	2.6E-07	2.5E-07
	1.1E-07	5.4E-08	4.6E-08	5.8E-08	7.0E-08	8.1E-08	8.5E-08	8.5E-08	9.5E-08	7.3E-08	8.6E-08	9.2E-08	9.3E-08	1.4E-07	2.0E-07	2.0E-07
	9.5E-10	3.5E-10	2.0E-10	2.8E-10	3.8E-10	4.8E-10	6.7E-10	6.3E-10	5.8E-10	3.9E-10	4.2E-10	4.8E-10	4.8E-10	6.0E-10	1.0E-09	1.6E-09
	1.4E-07	6.8E-08	6.0E-08	7.2E-08	8.7E-08	1.0E-07	1.1E-07	1.1E-07	1.2E-07	9.7E-08	1.1E-07	1.2E-07	1.2E-07	1.8E-07	2.6E-07	2.5E-07
	1.4E-07	6.9E-08	6.0E-08	7.3E-08	8.8E-08	1.0E-07	1.1E-07	1.1E-07	1.2E-07	9.7E-08	1.1E-07	1.2E-07	1.2E-07	1.8E-07	2.6E-07	2.5E-07
	1.1E-07	5.4E-08	4.7E-08	5.7E-08	7.0E-08	8.1E-08	8.4E-08	8.4E-08	9.2E-08	7.3E-08	8.6E-08	9.1E-08	9.3E-08	1.4E-07	2.0E-07	2.0E-07
	1.1E-07	5.4E-08	4.8E-08	5.8E-08	7.0E-08	8.1E-08	8.5E-08	8.4E-08	9.2E-08	7.3E-08	8.6E-08	9.2E-08	9.3E-08	1.4E-07	2.0E-07	2.0E-07
	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.	4800.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 10.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-74 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 03/04/80

ANNUAL AVERAGE (GROUND)
STANDARD PTS. - T/R CORRECTED
ONSITE METEOROLOGY - 3 YEARS
DATE 23-NOV-81 TIME 18 13 10

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
5.5 KM																
	1.2E-07	5.5E-08	4.6E-08	5.4E-08	7.9E-08	7.5E-08	9.6E-08	9.2E-08	1.0E-07	8.1E-08	8.8E-08	9.6E-08	9.7E-08	1.5E-07	2.1E-07	2.0E-07
	9.2E-08	4.2E-08	3.6E-08	4.2E-08	6.1E-08	5.8E-08	7.7E-08	7.2E-08	7.9E-08	6.3E-08	6.8E-08	7.5E-08	7.5E-08	1.2E-07	1.6E-07	1.6E-07
	7.6E-10	2.6E-10	1.5E-10	1.9E-10	2.9E-10	3.3E-10	5.1E-10	5.1E-10	4.7E-10	3.1E-10	3.2E-10	3.4E-10	3.7E-10	4.7E-10	7.6E-10	1.2E-09
	1.2E-07	5.4E-08	4.5E-08	5.3E-08	7.8E-08	7.4E-08	9.5E-08	9.1E-08	1.0E-07	8.1E-08	8.6E-08	9.6E-08	9.7E-08	1.5E-07	2.1E-07	2.0E-07
	1.2E-07	5.4E-08	4.6E-08	5.4E-08	7.9E-08	7.5E-08	9.6E-08	9.2E-08	1.0E-07	8.1E-08	8.8E-08	9.6E-08	9.7E-08	1.5E-07	2.1E-07	2.0E-07
	9.1E-08	4.2E-08	3.5E-08	4.1E-08	6.0E-08	5.7E-08	7.6E-08	7.1E-08	7.8E-08	6.2E-08	6.7E-08	7.4E-08	7.4E-08	1.1E-07	1.6E-07	1.6E-07
	9.2E-08	4.2E-08	3.5E-08	4.1E-08	6.1E-08	5.8E-08	7.6E-08	7.1E-08	7.9E-08	6.3E-08	6.8E-08	7.4E-08	7.5E-08	1.2E-07	1.6E-07	1.6E-07
	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.	5600.
6.4 KM																
	9.6E-08	4.5E-08	3.6E-08	4.5E-08	6.7E-08	6.3E-08	7.1E-08	7.7E-08	7.9E-08	6.7E-08	7.4E-08	8.3E-08	8.1E-08	1.2E-07	1.7E-07	1.7E-07
	7.3E-08	3.4E-08	2.7E-08	3.4E-08	5.1E-08	4.8E-08	5.4E-08	5.8E-08	6.0E-08	5.1E-08	5.7E-08	6.3E-08	6.2E-08	9.5E-08	1.3E-07	1.3E-07
	8.1E-10	2.1E-10	1.1E-10	1.6E-10	2.3E-10	2.6E-10	4.0E-10	4.1E-10	3.5E-10	2.4E-10	2.6E-10	2.8E-10	3.0E-10	3.7E-10	6.1E-10	9.4E-10
	9.5E-08	4.4E-08	3.5E-08	4.5E-08	6.6E-08	6.2E-08	7.0E-08	7.6E-08	7.8E-08	6.6E-08	7.3E-08	8.2E-08	8.0E-08	1.2E-07	1.7E-07	1.7E-07
	9.5E-08	4.5E-08	3.6E-08	4.5E-08	6.7E-08	6.3E-08	7.1E-08	7.7E-08	7.9E-08	6.7E-08	7.4E-08	8.3E-08	8.1E-08	1.2E-07	1.7E-07	1.7E-07
	7.2E-08	3.4E-08	2.7E-08	3.4E-08	5.0E-08	4.7E-08	5.3E-08	5.8E-08	6.0E-08	5.0E-08	5.6E-08	6.3E-08	6.1E-08	9.4E-08	1.3E-07	1.3E-07
	7.3E-08	3.4E-08	2.7E-08	3.4E-08	5.1E-08	4.8E-08	5.4E-08	5.8E-08	6.0E-08	5.1E-08	5.6E-08	6.3E-08	6.1E-08	9.4E-08	1.3E-07	1.3E-07
	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.	6400.
7.2 KM																
	8.1E-08	3.8E-08	2.9E-08	3.9E-08	5.7E-08	5.4E-08	6.0E-08	6.6E-08	6.4E-08	5.6E-08	6.4E-08	7.1E-08	7.0E-08	1.0E-07	1.5E-07	1.4E-07
	6.1E-08	2.9E-08	2.2E-08	2.9E-08	4.3E-08	4.1E-08	4.5E-08	4.9E-08	4.8E-08	4.2E-08	4.8E-08	5.4E-08	5.2E-08	8.4E-08	1.1E-07	1.1E-07
	4.7E-10	1.7E-10	8.3E-11	1.3E-10	1.9E-10	2.2E-10	3.2E-10	3.4E-10	2.7E-10	1.9E-10	2.2E-10	2.3E-10	2.4E-10	3.2E-10	5.1E-10	7.6E-10
	8.0E-08	3.8E-08	2.8E-08	3.8E-08	5.6E-08	5.3E-08	5.9E-08	6.5E-08	6.3E-08	5.5E-08	6.3E-08	7.0E-08	6.9E-08	9.9E-08	1.5E-07	1.4E-07
	8.1E-08	3.8E-08	2.9E-08	3.9E-08	5.7E-08	5.4E-08	5.9E-08	6.5E-08	6.4E-08	5.6E-08	6.4E-08	7.1E-08	6.9E-08	9.9E-08	1.5E-07	1.4E-07
	6.0E-08	2.8E-08	2.1E-08	2.9E-08	4.2E-08	4.0E-08	4.4E-08	4.8E-08	4.7E-08	4.2E-08	4.7E-08	5.3E-08	5.1E-08	7.4E-08	1.1E-07	1.1E-07
	6.1E-08	2.9E-08	2.2E-08	2.9E-08	4.3E-08	4.0E-08	4.5E-08	4.9E-08	4.8E-08	4.2E-08	4.8E-08	5.4E-08	5.2E-08	7.5E-08	1.1E-07	1.1E-07
	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.	7200.
8.0 KM																
	7.0E-08	3.4E-08	2.3E-08	3.4E-08	5.1E-08	4.8E-08	5.2E-08	5.7E-08	5.4E-08	4.9E-08	5.6E-08	6.3E-08	6.0E-08	8.6E-08	1.4E-07	1.2E-07
	5.2E-08	2.5E-08	1.7E-08	2.5E-08	3.8E-08	3.5E-08	3.8E-08	4.2E-08	4.0E-08	3.6E-08	4.2E-08	4.7E-08	4.5E-08	6.4E-08	1.0E-07	9.0E-08
	3.9E-10	1.4E-10	6.5E-11	1.1E-10	1.6E-10	1.8E-10	2.7E-10	2.8E-10	2.2E-10	1.6E-10	1.8E-10	1.9E-10	2.0E-10	2.3E-10	4.3E-10	6.2E-10
	6.9E-08	3.3E-08	2.3E-08	3.3E-08	5.0E-08	4.7E-08	5.1E-08	5.6E-08	5.3E-08	4.8E-08	5.5E-08	6.2E-08	5.9E-08	8.5E-08	1.3E-07	1.2E-07
	7.0E-08	3.4E-08	2.3E-08	3.4E-08	5.0E-08	4.7E-08	5.1E-08	5.7E-08	5.3E-08	4.9E-08	5.6E-08	6.3E-08	6.0E-08	8.6E-08	1.3E-07	1.2E-07
	5.1E-08	2.4E-08	1.7E-08	2.5E-08	3.7E-08	3.5E-08	3.8E-08	4.2E-08	3.9E-08	3.6E-08	4.1E-08	4.6E-08	4.4E-08	6.3E-08	9.9E-08	8.8E-08
	5.2E-08	2.5E-08	1.7E-08	2.5E-08	3.7E-08	3.5E-08	3.8E-08	4.2E-08	4.0E-08	3.6E-08	4.1E-08	4.6E-08	4.4E-08	6.4E-08	1.0E-07	9.0E-08
	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.	8000.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 15.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
12.0 KM																
	3.8E-08	1.9E-08	1.3E-08	1.7E-08	2.9E-08	2.7E-08	2.8E-08	3.3E-08	3.4E-08	2.5E-08	3.2E-08	3.6E-08	3.5E-08	4.9E-08	7.4E-08	7.1E-08
	2.5E-08	1.3E-08	9.1E-09	1.2E-08	2.1E-08	1.9E-08	1.9E-08	2.3E-08	2.3E-08	1.7E-08	2.2E-08	2.5E-08	2.4E-08	3.4E-08	5.2E-08	5.2E-08
	1.7E-10	7.0E-11	3.1E-11	4.7E-11	7.9E-11	8.7E-11	1.2E-10	1.4E-10	1.2E-10	7.0E-11	8.9E-11	9.4E-11	9.9E-11	1.1E-10	2.0E-10	3.2E-10
	3.5E-08	1.9E-08	1.3E-08	1.7E-08	2.9E-08	2.6E-08	2.7E-08	3.2E-08	3.3E-08	2.4E-08	3.1E-08	3.5E-08	3.4E-08	4.8E-08	7.3E-08	7.3E-08
	3.6E-08	1.9E-08	1.3E-08	1.7E-08	2.9E-08	2.6E-08	2.8E-08	3.3E-08	3.4E-08	2.5E-08	3.2E-08	3.6E-08	3.4E-08	4.9E-08	7.4E-08	7.4E-08
	2.4E-08	1.3E-08	8.8E-09	1.2E-08	2.0E-08	1.8E-08	1.9E-08	2.3E-08	2.3E-08	1.7E-08	2.2E-08	2.4E-08	2.4E-08	3.3E-08	5.1E-08	5.1E-08
	2.5E-08	1.3E-08	9.0E-09	1.2E-08	2.0E-08	1.9E-08	1.9E-08	2.3E-08	2.3E-08	1.7E-08	2.2E-08	2.5E-08	2.4E-08	3.4E-08	5.2E-08	5.2E-08
	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.	12000.
16.0 KM																
	2.3E-08	1.2E-08	8.3E-09	1.1E-08	2.0E-08	1.8E-08	1.8E-08	2.3E-08	2.3E-08	1.5E-08	1.6E-08	2.1E-08	2.3E-08	3.3E-08	4.9E-08	5.2E-08
	1.5E-08	8.2E-09	5.5E-09	7.4E-09	1.3E-08	1.2E-08	1.2E-08	1.5E-08	1.6E-08	1.0E-08	1.4E-08	1.5E-08	1.5E-08	2.2E-08	3.2E-08	3.5E-08
	9.5E-11	4.0E-11	1.7E-11	2.6E-11	4.7E-11	5.2E-11	7.1E-11	8.5E-11	7.4E-11	3.9E-11	5.2E-11	5.3E-11	5.8E-11	8.5E-11	1.1E-10	2.0E-10
	2.2E-08	1.2E-08	8.0E-09	1.1E-08	1.9E-08	1.7E-08	1.7E-08	2.2E-08	2.2E-08	1.4E-08	1.5E-08	2.2E-08	2.2E-08	3.2E-08	4.7E-08	5.1E-08
	2.2E-08	1.2E-08	8.2E-09	1.1E-08	1.9E-08	1.8E-08	1.8E-08	2.3E-08	2.2E-08	1.5E-08	1.6E-08	2.2E-08	2.2E-08	3.2E-08	4.8E-08	5.2E-08
	1.4E-08	8.0E-09	5.3E-09	7.1E-09	1.3E-08	1.2E-08	1.2E-08	1.5E-08	1.6E-08	1.0E-08	1.4E-08	1.5E-08	1.5E-08	2.1E-08	3.1E-08	3.4E-08
	1.5E-08	8.2E-09	5.5E-09	7.3E-09	1.3E-08	1.2E-08	1.2E-08	1.5E-08	1.6E-08	1.0E-08	1.4E-08	1.5E-08	1.5E-08	2.2E-08	3.2E-08	3.5E-08
	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.	16000.
24.0 KM																
	1.2E-08	7.1E-09	4.7E-09	6.1E-09	1.0E-08	1.0E-08	9.7E-09	1.1E-08	1.3E-08	8.5E-09	1.1E-08	1.2E-08	1.3E-08	1.9E-08	3.0E-08	3.0E-08
	7.6E-09	4.4E-09	2.9E-09	3.7E-09	6.2E-09	6.2E-09	6.0E-09	6.5E-09	8.0E-09	5.2E-09	7.1E-09	7.3E-09	8.0E-09	1.2E-08	1.8E-08	1.9E-08
	4.3E-11	1.9E-11	7.9E-12	1.2E-11	1.9E-11	3.2E-11	3.2E-11	3.2E-11	3.2E-11	1.8E-11	2.3E-11	2.2E-11	2.7E-11	3.1E-11	5.7E-11	9.6E-11
	1.2E-08	6.7E-09	4.4E-09	5.7E-09	9.5E-09	9.5E-09	9.3E-09	1.0E-08	1.2E-08	8.1E-09	1.1E-08	1.1E-08	1.2E-08	1.8E-08	2.9E-08	2.9E-08
	1.2E-08	7.0E-09	4.6E-09	6.0E-09	9.9E-09	9.9E-09	9.6E-09	1.0E-08	1.3E-08	8.4E-09	1.1E-08	1.2E-08	1.3E-08	1.9E-08	3.0E-08	3.0E-08
	7.2E-09	4.1E-09	2.7E-09	3.5E-09	5.8E-09	5.9E-09	5.7E-09	6.2E-09	7.6E-09	5.0E-09	6.7E-09	6.9E-09	7.6E-09	1.1E-08	1.8E-08	1.8E-08
	7.5E-09	4.3E-09	2.8E-09	3.7E-09	6.1E-09	5.9E-09	5.9E-09	6.4E-09	7.9E-09	5.2E-09	6.9E-09	7.2E-09	7.9E-09	1.2E-08	1.8E-08	1.8E-08
	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.	24000.
32.0 KM																
	8.5E-09	4.7E-09	3.1E-09	4.0E-09	6.0E-09	6.5E-09	6.6E-09	6.4E-09	8.7E-09	6.0E-09	7.4E-09	7.9E-09	8.5E-09	1.3E-08	2.1E-08	2.1E-08
	4.9E-09	2.7E-09	1.8E-09	2.3E-09	3.7E-09	3.8E-09	3.7E-09	3.5E-09	5.0E-09	3.5E-09	4.3E-09	4.6E-09	4.9E-09	7.3E-09	1.2E-08	1.2E-08
	2.5E-11	1.1E-11	4.5E-12	6.6E-12	9.9E-12	1.3E-11	1.9E-11	1.7E-11	1.8E-11	1.1E-11	1.3E-11	1.3E-11	1.5E-11	1.7E-11	3.4E-11	5.6E-11
	8.0E-09	4.3E-09	2.8E-09	3.7E-09	5.6E-09	6.0E-09	6.2E-09	6.0E-09	8.2E-09	5.6E-09	6.9E-09	7.5E-09	8.1E-09	1.2E-08	2.0E-08	2.0E-08
	8.3E-09	4.6E-09	3.0E-09	3.9E-09	5.9E-09	6.3E-09	6.3E-09	6.1E-09	8.3E-09	5.9E-09	7.3E-09	7.8E-09	8.4E-09	1.2E-08	2.0E-08	2.0E-08
	4.6E-09	2.5E-09	1.6E-09	2.1E-09	3.5E-09	3.6E-09	3.5E-09	3.4E-09	4.7E-09	3.2E-09	4.0E-09	4.3E-09	4.7E-09	6.8E-09	1.1E-08	1.1E-08
	4.8E-09	2.6E-09	1.8E-09	2.3E-09	3.4E-09	3.7E-09	3.7E-09	3.6E-09	4.9E-09	3.4E-09	4.2E-09	4.6E-09	4.9E-09	7.1E-09	1.2E-08	1.2E-08
	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.	32000.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 15.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-74 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 03/04/80

ANNUAL AVERAGE (GROUND)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY - 3 YEARS
DATE 23-NOV-81 TIME 18.13.10

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7499-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
40.0 KM																
	6.2E-09	2.7E-09	1.8E-09	3.1E-09	4.6E-09	4.3E-09	4.4E-09	4.8E-09	6.2E-09	4.0E-09	5.0E-09	5.4E-09	5.9E-09	2.9E-09	1.3E-08	1.6E-08
	3.5E-09	1.5E-09	1.0E-09	1.7E-09	2.5E-09	2.4E-09	2.4E-09	2.6E-09	3.4E-09	2.2E-09	2.7E-09	3.0E-09	3.3E-09	4.9E-09	7.3E-09	8.5E-09
	1.7E-11	5.4E-12	2.3E-12	4.5E-12	6.7E-12	7.5E-12	1.1E-11	1.1E-11	1.2E-11	6.2E-12	7.6E-12	7.7E-12	9.1E-12	1.1E-11	1.9E-11	3.7E-11
	5.9E-09	2.5E-09	1.7E-09	2.3E-09	4.2E-09	3.9E-09	4.1E-09	4.4E-09	5.8E-09	3.6E-09	4.6E-09	5.0E-09	5.5E-09	8.2E-09	1.2E-08	1.5E-08
	3.2E-09	2.6E-09	1.8E-09	3.0E-09	4.5E-09	4.2E-09	4.2E-09	4.7E-09	6.1E-09	3.9E-09	4.9E-09	5.3E-09	5.8E-09	8.7E-09	1.2E-08	1.5E-08
	3.2E-09	1.4E-09	9.1E-10	1.6E-09	2.3E-09	2.2E-09	2.2E-09	2.4E-09	3.2E-09	2.0E-09	2.5E-09	2.7E-09	3.0E-09	4.5E-09	6.6E-09	8.0E-09
	3.4E-09	1.4E-09	9.8E-10	1.7E-09	2.5E-09	2.3E-09	2.3E-09	2.6E-09	3.5E-09	2.1E-09	2.7E-09	2.9E-09	3.2E-09	4.8E-09	7.1E-09	8.4E-09
	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.
48.0 KM																
	5.1E-09	1.9E-09	1.2E-09	2.5E-09	3.7E-09	3.1E-09	3.1E-09	3.8E-09	4.7E-09	2.8E-09	3.6E-09	3.9E-09	4.4E-09	6.5E-09	8.9E-09	1.2E-08
	2.6E-09	9.3E-10	6.4E-10	1.3E-09	2.0E-09	1.6E-09	1.6E-09	2.0E-09	2.5E-09	1.5E-09	1.9E-09	2.0E-09	2.3E-09	3.4E-09	4.6E-09	6.2E-09
	1.2E-11	3.2E-12	1.4E-12	3.3E-12	4.8E-12	4.8E-12	6.9E-12	8.0E-12	7.9E-12	3.9E-12	4.9E-12	5.0E-12	6.1E-12	7.0E-12	1.1E-11	2.5E-11
	4.8E-09	1.6E-09	1.1E-09	2.3E-09	3.3E-09	2.8E-09	2.8E-09	3.5E-09	4.3E-09	2.6E-09	3.3E-09	3.6E-09	4.1E-09	5.9E-09	8.1E-09	1.1E-08
	4.9E-09	1.7E-09	1.2E-09	2.4E-09	3.6E-09	3.0E-09	3.0E-09	3.7E-09	4.6E-09	2.7E-09	3.5E-09	3.8E-09	4.3E-09	6.3E-09	8.8E-09	1.2E-08
	2.4E-09	8.3E-10	5.6E-10	1.2E-09	1.8E-09	1.5E-09	1.5E-09	1.8E-09	2.3E-09	1.3E-09	1.7E-09	1.9E-09	2.1E-09	3.1E-09	4.3E-09	5.7E-09
	2.6E-09	9.0E-10	6.1E-10	1.3E-09	1.9E-09	1.6E-09	1.6E-09	1.9E-09	2.4E-09	1.4E-09	1.8E-09	2.0E-09	2.3E-09	3.3E-09	4.5E-09	6.0E-09
	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.
56.0 KM																
	4.1E-09	1.2E-09	8.5E-10	2.1E-09	3.1E-09	2.3E-09	2.4E-09	3.1E-09	3.8E-09	2.2E-09	2.7E-09	2.9E-09	3.4E-09	5.0E-09	6.1E-09	9.3E-09
	2.1E-09	6.3E-10	4.3E-10	1.1E-09	1.5E-09	1.2E-09	1.2E-09	1.5E-09	1.9E-09	1.1E-09	1.4E-09	1.5E-09	1.7E-09	2.5E-09	3.1E-09	4.7E-09
	8.7E-12	2.0E-12	9.7E-13	2.5E-12	3.6E-12	3.0E-12	4.8E-12	5.9E-12	5.8E-12	2.7E-12	3.4E-12	3.4E-12	4.3E-12	4.9E-12	7.1E-12	1.8E-11
	3.7E-09	1.1E-09	7.3E-10	1.8E-09	2.7E-09	2.1E-09	2.1E-09	2.8E-09	3.5E-09	1.9E-09	2.4E-09	2.6E-09	3.1E-09	4.5E-09	5.5E-09	8.5E-09
	4.0E-09	1.2E-09	8.1E-10	2.0E-09	3.0E-09	2.2E-09	2.3E-09	3.0E-09	3.7E-09	2.1E-09	2.6E-09	2.8E-09	3.4E-09	4.9E-09	6.0E-09	9.0E-09
	1.9E-09	5.5E-10	3.7E-10	9.3E-10	1.4E-09	1.0E-09	1.1E-09	1.4E-09	1.7E-09	9.6E-10	1.2E-09	1.3E-09	1.6E-09	2.3E-09	2.8E-09	4.3E-09
	2.0E-09	6.0E-10	4.1E-10	1.2E-09	1.5E-09	1.1E-09	1.2E-09	1.5E-09	1.9E-09	1.0E-09	1.3E-09	1.4E-09	1.7E-09	2.4E-09	3.0E-09	4.5E-09
	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.
64.0 KM																
	3.1E-09	9.2E-10	6.6E-10	1.4E-09	2.2E-09	1.7E-09	1.8E-09	2.4E-09	2.9E-09	1.7E-09	2.0E-09	2.4E-09	2.9E-09	4.0E-09	4.9E-09	7.2E-09
	1.5E-09	4.4E-10	3.2E-10	8.6E-10	1.1E-09	8.1E-10	8.9E-10	1.2E-09	1.4E-09	8.1E-10	9.6E-10	1.2E-09	1.4E-09	1.9E-09	2.4E-09	3.5E-09
	6.1E-12	1.4E-12	6.1E-13	1.5E-12	2.2E-12	2.2E-12	3.4E-12	4.2E-12	4.1E-12	1.9E-12	2.3E-12	2.5E-12	3.3E-12	3.6E-12	5.3E-12	1.3E-11
	2.0E-09	7.9E-10	5.5E-10	1.2E-09	1.9E-09	1.5E-09	1.6E-09	2.1E-09	2.6E-09	1.5E-09	1.8E-09	2.1E-09	2.6E-09	3.6E-09	4.5E-09	6.5E-09
	3.0E-09	8.8E-10	6.2E-10	1.3E-09	2.1E-09	1.6E-09	1.8E-09	2.3E-09	2.8E-09	1.6E-09	2.0E-09	2.3E-09	2.8E-09	3.9E-09	4.8E-09	7.0E-09
	1.5E-09	3.8E-10	2.7E-10	5.7E-10	9.1E-10	7.1E-10	7.9E-10	1.0E-09	1.3E-09	7.1E-10	8.6E-10	1.0E-09	1.2E-09	1.7E-09	2.2E-09	3.2E-09
	1.5E-09	4.2E-10	3.0E-10	6.3E-10	1.0E-09	7.8E-10	8.6E-10	1.1E-09	1.4E-09	7.8E-10	9.4E-10	1.1E-09	1.3E-09	1.9E-09	2.3E-09	3.5E-09
	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 15.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
72.0 KM																
	2.4E-09	7.0E-10	5.2E-10	9.4E-10	1.6E-09	1.2E-09	1.4E-09	1.9E-09	2.3E-09	1.4E-09	1.5E-09	2.0E-09	2.4E-09	3.3E-09	4.0E-09	5.8E-09
	1.1E-09	3.3E-10	2.4E-10	4.4E-10	7.5E-10	5.7E-10	6.7E-10	9.1E-10	1.1E-09	6.3E-10	7.1E-10	9.2E-10	1.1E-09	1.5E-09	1.9E-09	2.7E-09
	4.3E-12	9.6E-13	4.5E-13	9.3E-13	1.6E-12	1.5E-12	2.5E-12	3.1E-12	3.0E-12	1.5E-12	1.6E-12	1.9E-12	2.6E-12	2.7E-12	3.9E-12	9.5E-12
	2.1E-09	5.9E-10	4.3E-10	7.9E-10	1.4E-09	1.1E-09	1.3E-09	1.7E-09	2.1E-09	1.2E-09	1.3E-09	1.7E-09	2.1E-09	2.9E-09	3.6E-09	5.2E-09
	2.3E-09	6.7E-10	4.9E-10	8.9E-10	1.5E-09	1.2E-09	1.4E-09	1.9E-09	2.2E-09	1.3E-09	1.5E-09	1.9E-09	2.3E-09	3.1E-09	3.9E-09	5.6E-09
	9.8E-10	2.8E-10	2.0E-10	3.7E-10	6.4E-10	4.9E-10	5.9E-10	8.0E-10	9.6E-10	5.5E-10	6.2E-10	8.1E-10	1.0E-09	1.3E-09	1.7E-09	2.4E-09
	1.1E-09	3.1E-10	2.3E-10	4.2E-10	7.2E-10	5.5E-10	6.4E-10	8.7E-10	1.0E-09	6.1E-10	6.8E-10	8.6E-10	1.1E-09	1.5E-09	1.8E-09	2.6E-09
	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.
80.0 KM																
	2.0E-09	5.4E-10	4.4E-10	6.9E-10	1.2E-09	9.6E-10	1.2E-09	1.6E-09	1.9E-09	1.2E-09	1.2E-09	1.6E-09	2.1E-09	2.7E-09	3.4E-09	4.7E-09
	8.9E-10	2.4E-10	2.0E-10	3.1E-10	5.6E-10	4.3E-10	5.4E-10	7.0E-10	8.4E-10	5.3E-10	5.5E-10	7.4E-10	9.3E-10	1.2E-09	1.5E-09	2.1E-09
	3.3E-12	6.9E-13	3.5E-13	6.3E-13	1.1E-12	1.1E-12	1.9E-12	2.4E-12	2.2E-12	1.2E-12	1.2E-12	1.2E-12	1.5E-12	2.0E-12	2.0E-12	3.1E-12
	1.7E-09	4.5E-10	3.6E-10	5.7E-10	1.0E-09	8.1E-10	1.0E-09	1.4E-09	1.6E-09	1.0E-09	1.0E-09	1.4E-09	1.8E-09	2.3E-09	3.0E-09	4.1E-09
	1.9E-09	5.1E-10	4.2E-10	6.5E-10	1.2E-09	9.2E-10	1.1E-09	1.5E-09	1.8E-09	1.1E-09	1.2E-09	1.6E-09	2.0E-09	2.6E-09	3.2E-09	4.5E-09
	7.7E-10	2.0E-10	1.6E-10	2.6E-10	4.7E-10	3.7E-10	4.7E-10	6.1E-10	7.3E-10	4.5E-10	4.7E-10	6.4E-10	8.1E-10	1.0E-09	1.3E-09	1.9E-09
	8.5E-10	2.3E-10	1.9E-10	2.9E-10	5.3E-10	4.1E-10	5.2E-10	6.8E-10	8.1E-10	5.0E-10	5.2E-10	7.1E-10	8.9E-10	1.2E-09	1.5E-09	2.0E-09
	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 15.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-75

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 03/04/80

ANNUAL AVERAGE (GROUND)
SPECIAL RTS - 1/R CORRECTED
ONSITE METEOROLOGY - 3 YEARS
DATE 23-NOV-81 TIME 18.21.28

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
EXCLUSION BOUNDARY															
1.0E-06	5.1E-07	5.0E-07	7.3E-07	7.3E-07	8.1E-07	7.9E-07	8.4E-07	8.7E-07	7.7E-07	7.9E-07	1.0E-06	7.9E-07	1.3E-06	1.8E-06	1.9E-06
9.0E-07	4.6E-07	4.5E-07	6.6E-07	6.5E-07	7.2E-07	6.7E-07	7.5E-07	7.7E-07	6.9E-07	7.0E-07	9.2E-07	7.0E-07	1.2E-06	1.6E-06	1.7E-06
9.2E-09	3.5E-09	2.3E-09	3.8E-09	3.8E-09	5.0E-09	6.2E-09	6.4E-09	5.5E-09	4.1E-09	4.2E-09	5.2E-09	4.4E-09	6.0E-09	9.8E-09	1.6E-08
1.0E-06	5.1E-07	5.0E-07	7.3E-07	7.3E-07	8.0E-07	7.5E-07	8.4E-07	8.7E-07	7.7E-07	7.9E-07	1.0E-06	7.9E-07	1.3E-06	1.8E-06	1.9E-06
1.0E-06	5.1E-07	5.0E-07	7.3E-07	7.3E-07	8.1E-07	7.5E-07	8.4E-07	8.7E-07	7.7E-07	7.9E-07	1.0E-06	7.9E-07	1.3E-06	1.8E-06	1.9E-06
9.0E-07	4.6E-07	4.5E-07	6.5E-07	6.5E-07	7.2E-07	6.7E-07	7.5E-07	7.7E-07	6.8E-07	7.0E-07	9.2E-07	7.0E-07	1.2E-06	1.6E-06	1.7E-06
9.0E-07	4.6E-07	4.5E-07	6.6E-07	6.5E-07	7.2E-07	6.7E-07	7.5E-07	7.7E-07	6.8E-07	7.0E-07	9.2E-07	7.0E-07	1.2E-06	1.6E-06	1.7E-06
1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
LOW POPULATION ZONE															
1.9E-07	9.2E-08	8.3E-08	1.0E-07	1.3E-07	1.4E-07	1.4E-07	1.3E-07	1.5E-07	1.2E-07	1.4E-07	1.4E-07	1.5E-07	2.3E-07	3.3E-07	3.2E-07
1.5E-07	7.4E-08	6.7E-08	8.3E-08	1.0E-07	1.1E-07	1.1E-07	1.1E-07	1.2E-07	9.9E-08	1.1E-07	1.1E-07	1.2E-07	1.8E-07	2.6E-07	2.6E-07
1.3E-09	4.9E-10	3.0E-10	4.2E-10	5.2E-10	6.7E-10	9.3E-10	9.2E-10	8.0E-10	5.2E-10	5.7E-10	5.5E-10	6.6E-10	8.1E-10	1.4E-09	2.1E-09
1.9E-07	9.1E-08	8.2E-08	1.0E-07	1.3E-07	1.4E-07	1.3E-07	1.3E-07	1.5E-07	1.2E-07	1.4E-07	1.4E-07	1.5E-07	2.3E-07	3.3E-07	3.2E-07
1.9E-07	9.1E-08	8.3E-08	1.0E-07	1.3E-07	1.4E-07	1.4E-07	1.3E-07	1.5E-07	1.2E-07	1.4E-07	1.4E-07	1.5E-07	2.3E-07	3.3E-07	3.2E-07
1.5E-07	7.3E-08	6.6E-08	8.2E-08	1.0E-07	1.1E-07	1.1E-07	1.1E-07	1.2E-07	9.8E-08	1.1E-07	1.1E-07	1.2E-07	1.8E-07	2.6E-07	2.5E-07
1.5E-07	7.3E-08	6.7E-08	8.3E-08	1.0E-07	1.1E-07	1.1E-07	1.1E-07	1.2E-07	9.9E-08	1.1E-07	1.1E-07	1.2E-07	1.8E-07	2.6E-07	2.6E-07
4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.
NEAREST RESIDENT															
1.4E-07	1.6E-07	1.3E-07	1.7E-07	2.1E-07	3.1E-07	1.1E-07	1.1E-07	9.1E-08	1.5E-07	1.6E-07	1.2E-07	1.6E-07	1.2E-07	5.7E-07	3.6E-07	7.8E-07
1.1E-07	1.3E-07	1.1E-07	1.4E-07	1.8E-07	2.6E-07	8.3E-08	7.0E-08	1.2E-07	1.3E-07	9.9E-08	1.4E-07	9.7E-08	4.9E-07	3.1E-07	6.7E-07
9.1E-10	9.5E-10	5.0E-10	7.7E-10	9.9E-10	1.7E-09	6.6E-10	5.0E-10	8.0E-10	6.9E-10	5.0E-10	7.2E-10	5.1E-10	2.4E-09	1.6E-09	5.9E-09
1.4E-07	1.6E-07	1.3E-07	1.7E-07	2.1E-07	3.1E-07	1.1E-07	9.0E-08	1.5E-07	1.5E-07	1.2E-07	1.6E-07	1.2E-07	5.7E-07	3.6E-07	7.8E-07
1.4E-07	1.6E-07	1.3E-07	1.7E-07	2.1E-07	3.1E-07	1.1E-07	9.1E-08	1.5E-07	1.5E-07	1.2E-07	1.6E-07	1.2E-07	5.7E-07	3.6E-07	7.8E-07
1.1E-07	1.3E-07	1.1E-07	1.4E-07	1.8E-07	2.6E-07	8.3E-08	7.0E-08	1.2E-07	1.3E-07	9.8E-08	1.4E-07	9.7E-08	4.8E-07	3.1E-07	6.7E-07
1.1E-07	1.3E-07	1.1E-07	1.4E-07	1.8E-07	2.6E-07	8.3E-08	7.0E-08	1.2E-07	1.3E-07	9.9E-08	1.4E-07	9.7E-08	4.9E-07	3.1E-07	6.7E-07
4984.	2816.	3138.	2816.	2735.	2333.	4827.	5632.	4023.	3379.	4344.	3540.	4666.	2092.	3540.	2172.
NEAREST VEGETABLE															
1.1E-07	1.2E-07	1.1E-07	1.7E-07	2.1E-07	3.1E-07	9.6E-08	9.1E-08	6.1E-08	9.7E-08	1.2E-07	1.8E-07	1.2E-07	5.1E-07	3.9E-07	7.8E-07
8.5E-08	9.4E-08	8.6E-08	1.4E-07	1.8E-07	2.6E-07	7.6E-08	7.0E-08	4.6E-08	7.6E-08	9.9E-08	1.4E-07	9.7E-08	4.3E-07	3.1E-07	6.7E-07
6.9E-10	6.6E-10	4.0E-10	7.7E-10	9.9E-10	1.7E-09	6.0E-10	5.0E-10	2.6E-10	3.8E-10	5.0E-10	7.2E-10	5.1E-10	2.1E-09	1.6E-09	5.9E-09
1.1E-07	1.1E-07	1.1E-07	1.7E-07	2.1E-07	3.1E-07	9.7E-08	9.0E-08	6.1E-08	9.6E-08	1.2E-07	1.7E-07	1.2E-07	5.1E-07	3.8E-07	7.8E-07
1.1E-07	1.2E-07	1.1E-07	1.7E-07	2.1E-07	3.1E-07	9.7E-08	9.1E-08	6.1E-08	9.7E-08	1.2E-07	1.8E-07	1.2E-07	5.1E-07	3.8E-07	7.8E-07
8.4E-08	9.4E-08	8.7E-08	1.4E-07	1.8E-07	2.6E-07	7.6E-08	7.0E-08	4.5E-08	7.6E-08	9.8E-08	1.4E-07	9.7E-08	4.3E-07	3.1E-07	6.7E-07
8.4E-08	9.4E-08	8.6E-08	1.4E-07	1.8E-07	2.6E-07	7.6E-08	7.0E-08	4.6E-08	7.6E-08	9.9E-08	1.4E-07	9.7E-08	4.3E-07	3.1E-07	6.7E-07
5792.	3379.	3540.	2816.	2735.	2333.	5149.	5632.	7401.	4827.	4344.	3540.	4666.	2253.	3620.	2172.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 15.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
NEAREST MEAT ANIMAL															
9.1E-07	5.0E-07	5.0E-07	7.2E-07	7.3E-07	8.4E-07	9.8E-08	9.9E-08	1.1E-07	2.5E-07	2.7E-07	2.7E-07	1.2E-07	2.5E-07	4.4E-07	1.0E-06
8.1E-07	4.5E-07	4.5E-07	2.7E-07	2.8E-07	3.5E-07	7.6E-08	7.7E-08	8.3E-08	2.1E-07	2.2E-07	2.2E-07	9.3E-08	2.0E-07	3.6E-07	9.0E-07
8.3E-09	3.5E-09	2.3E-09	1.5E-09	1.6E-09	2.4E-09	6.0E-10	5.6E-10	5.0E-10	1.2E-09	1.2E-09	1.2E-09	4.8E-10	9.0E-10	2.0E-09	8.1E-09
9.1E-07	5.0E-07	5.0E-07	7.3E-07	7.3E-07	8.4E-07	9.7E-08	9.8E-08	1.1E-07	2.5E-07	2.6E-07	2.7E-07	1.2E-07	2.5E-07	4.4E-07	1.0E-06
9.1E-07	5.0E-07	5.0E-07	7.3E-07	7.3E-07	8.4E-07	9.7E-08	9.8E-08	1.1E-07	2.5E-07	2.6E-07	2.7E-07	1.2E-07	2.5E-07	4.4E-07	1.0E-06
8.1E-07	4.5E-07	4.5E-07	2.7E-07	2.8E-07	3.5E-07	7.6E-08	7.6E-08	8.2E-08	2.1E-07	2.2E-07	2.2E-07	9.2E-08	2.0E-07	3.6E-07	9.0E-07
8.1E-07	4.5E-07	4.5E-07	2.7E-07	2.8E-07	3.5E-07	7.6E-08	7.7E-08	8.3E-08	2.1E-07	2.2E-07	2.2E-07	9.2E-08	2.0E-07	3.6E-07	9.0E-07
1287.	1207.	1207.	1931.	2011.	1931.	5149.	5310.	5310.	2574.	2414.	2735.	4827.	3701.	3218.	1770.
NEAREST DAIRY COW															
7.6E-08	6.9E-08		1.7E-07	3.3E-07	4.0E-07	7.1E-08				6.0E-08			1.5E-07	4.4E-07	
5.7E-08	5.4E-08		1.4E-07	2.8E-07	3.5E-07	5.4E-08				4.5E-08			1.1E-07	3.6E-07	
4.4E-10	3.5E-10	NONE	7.7E-10	1.6E-09	2.4E-09	4.0E-10	NONE	NONE	NONE	2.0E-10	NONE	NONE	4.6E-10	2.0E-09	NONE
7.5E-08	6.8E-08	IN	1.7E-07	3.3E-07	4.0E-07	7.0E-08	IN	IN	IN	6.0E-08	IN	IN	1.5E-07	4.4E-07	IN
7.6E-08	6.9E-08	THIS	1.7E-07	3.3E-07	4.0E-07	7.1E-08	THIS	THIS	THIS	6.0E-08	THIS	THIS	1.5E-07	4.4E-07	THIS
5.6E-08	5.4E-08	SECTOR	1.4E-07	2.8E-07	3.5E-07	5.3E-08	SECTOR	SECTOR	SECTOR	4.4E-08	SECTOR	SECTOR	1.1E-07	3.6E-07	SECTOR
5.6E-08	5.4E-08		1.4E-07	2.8E-07	3.5E-07	5.4E-08				4.5E-08			1.1E-07	3.6E-07	
7562.	4827.		2816.	2011.	1931.	6436.				7562.			5632.	3218.	
NEAREST PLANT BOUNDARY															
6.0E-07	2.5E-07	2.0E-07	3.2E-07	3.5E-07	4.3E-07	1.1E-07	9.9E-08	2.6E-07	2.5E-07	2.7E-07	2.4E-07	1.9E-07	2.2E-07	6.6E-07	1.1E-06
5.2E-07	2.2E-07	1.7E-07	2.7E-07	3.0E-07	3.7E-07	9.3E-08	7.7E-08	2.2E-07	2.1E-07	2.2E-07	2.0E-07	1.5E-07	1.7E-07	5.6E-07	9.5E-07
5.2E-09	1.6E-09	8.2E-10	1.5E-09	1.7E-09	2.5E-09	6.6E-10	5.6E-10	1.5E-09	1.2E-09	1.2E-09	1.1E-09	8.7E-10	7.5E-10	2.2E-09	8.6E-09
6.0E-07	2.5E-07	2.0E-07	3.1E-07	3.5E-07	4.3E-07	1.1E-07	9.8E-08	2.6E-07	2.5E-07	2.6E-07	2.4E-07	1.9E-07	2.2E-07	6.6E-07	1.1E-06
6.0E-07	2.5E-07	2.0E-07	3.1E-07	3.5E-07	4.3E-07	1.1E-07	9.8E-08	2.6E-07	2.5E-07	2.6E-07	2.4E-07	1.9E-07	2.2E-07	6.6E-07	1.1E-06
5.2E-07	2.2E-07	1.7E-07	2.7E-07	3.0E-07	3.7E-07	8.3E-08	7.6E-08	2.2E-07	2.1E-07	2.2E-07	2.0E-07	1.5E-07	1.7E-07	5.6E-07	9.5E-07
5.2E-07	2.2E-07	1.7E-07	2.7E-07	3.0E-07	3.7E-07	8.3E-08	7.7E-08	2.2E-07	2.1E-07	2.2E-07	2.0E-07	1.5E-07	1.7E-07	5.6E-07	9.5E-07
1754.	2076.	2365.	1931.	1931.	1866.	4827.	5310.	2767.	2478.	2414.	2880.	3379.	4183.	2349.	1738.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 0.00 CALMS LOWER LEV - 15.00
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-76

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 03/04/80

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY - 3 YEARS
DATE 23-NOV-81 TIME 10 46 39

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
0 4 KM																
2	8E-06	1.1E-06	8 1E-07	9 9E-07	1 4E-06	1 9E-06	1 8E-06	1 9E-06	1 7E-06	1 1E-06	1 3E-06	1 8E-06	1 7E-06	2 2E-06	3 9E-06	5 3E-06
2	7E-06	1 0E-06	7 6E-07	8 5E-07	1 2E-06	1 7E-06	1 7E-06	1 8E-06	1 6E-06	1 1E-06	1 6E-06	2 1E-06	2 0E-06	2 7E-06	4 7E-06	5 0E-06
3	9E-08	1 3E-08	5 9E-09	7 3E-09	1 1E-08	1 6E-08	2 4E-08	2 1E-08	1 6E-08	7 9E-09	9 5E-09	1 1E-08	1 2E-08	1 2E-08	2 4E-08	6 0E-08
2	8E-06	1 1E-06	8 0E-07	8 ^ -07	1 4E-06	1 8E-06	1 8E-06	1 9E-06	1 7E-06	1 1E-06	1 3E-06	1 8E-06	1 7E-06	2 2E-06	3 9E-06	5 3E-06
2	8E-06	1 1E-06	8 0E-07	8 9E-07	1 4E-06	1 8E-06	1 8E-06	1 9E-06	1 7E-06	1 1E-06	1 3E-06	1 8E-06	1 7E-06	2 2E-06	3 9E-06	5 3E-06
2	7E-06	1 0E-06	7 6E-07	9 4E-07	1 3E-06	1 7E-06	1 7E-06	1 8E-06	1 6E-06	1 1E-06	1 5E-06	2 1E-06	2 0E-06	2 7E-06	4 7E-06	5 0E-06
2	7E-06	1 0E-06	7 6E-07	9 4E-07	1 3E-06	1 7E-06	1 7E-06	1 8E-06	1 6E-06	1 1E-06	1 5E-06	2 1E-06	2 0E-06	2 7E-06	4 7E-06	5 0E-06
	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
0 8 KM																
9	5E-07	3 8E-07	2 4E-07	3 1E-07	4 7E-07	6 3E-07	5 9E-07	6 3E-07	5 7E-07	3 8E-07	4 6E-07	5 6E-07	5 4E-07	7 6E-07	1 2E-06	1 8E-06
8	7E-07	3 5E-07	2 2E-07	2 8E-07	4 3E-07	5 8E-07	5 4E-07	5 8E-07	5 2E-07	3 5E-07	5 4F-07	6 3E-07	6 3E-07	8 9E-07	1 5E-06	1 7E-06
1	5E-08	5 5E-09	2 1E-09	3 0E-09	4 4E-09	7 3E-09	8 5E-09	8 5E-09	6 4E-09	3 2E-09	4 0E-09	4 2E-09	4 4E-09	4 8E-09	8 8E-09	2 3E-08
9	5E-07	3 8E-07	2 4E-07	3 1E-07	4 7E-07	6 3E-07	5 9E-07	6 3E-07	5 7E-07	3 8E-07	4 6E-07	5 6E-07	5 4E-07	7 6E-07	1 2E-06	1 8E-06
9	5E-07	3 8E-07	2 4E-07	3 1E-07	4 7E-07	6 3E-07	5 9E-07	6 3E-07	5 7E-07	3 8E-07	4 6E-07	5 6E-07	5 4E-07	7 6E-07	1 2E-06	1 8E-06
8	7E-07	3 5E-07	2 2E-07	2 8E-07	4 3E-07	5 8E-07	5 4E-07	5 8E-07	5 2E-07	3 5E-07	5 4E-07	6 3E-07	6 3E-07	8 9E-07	1 5E-06	1 7E-06
8	7E-07	3 5E-07	2 2E-07	2 8E-07	4 3E-07	5 8E-07	5 4E-07	5 8E-07	5 2E-07	3 5E-07	5 4E-07	6 3E-07	6 3E-07	8 9E-07	1 5E-06	1 7E-06
	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
1 2 KM																
5	1E-07	2 1E-07	1 3E-07	1 7E-07	2 4E-07	3 4E-07	3 1E-07	3 4E-07	3 1E-07	2 0E-07	2 6E-07	2 9E-07	2 8E-07	4 1E-07	6 6E-07	9 2E-07
4	6E-07	1 9E-07	1 1E-07	1 5E-07	2 2E-07	3 1E-07	2 8E-07	3 1E-07	2 8E-07	1 8E-07	3 0E-07	3 2E-07	3 1E-07	4 6E-07	7 5E-07	8 3E-07
7	9E-09	3 0E-09	1 1E-09	1 7E-09	2 3E-09	4 0E-09	4 5E-09	4 3E-09	3 5E-09	1 8E-09	2 4E-09	2 3E-09	2 3E-09	2 7E-09	4 7E-09	1 1E-08
5	1E-07	2 1E-07	1 3E-07	1 7E-07	2 4E-07	3 4E-07	3 1E-07	3 4E-07	3 1E-07	2 0E-07	2 6E-07	2 9E-07	2 7E-07	4 1E-07	6 6E-07	9 2E-07
5	1E-07	2 1E-07	1 3E-07	1 7E-07	2 4E-07	3 4E-07	3 1E-07	3 4E-07	3 1E-07	2 0E-07	2 6E-07	2 9E-07	2 8E-07	4 1E-07	6 6E-07	9 2E-07
4	5E-07	1 9E-07	1 1E-07	1 5E-07	2 2E-07	3 1E-07	2 8E-07	3 1E-07	2 7E-07	1 8E-07	3 0E-07	3 2E-07	3 1E-07	4 6E-07	7 5E-07	8 3E-07
4	6E-07	1 9E-07	1 1E-07	1 5E-07	2 2E-07	3 1E-07	2 8E-07	3 1E-07	2 7E-07	1 8E-07	3 0E-07	3 2E-07	3 1E-07	4 6E-07	7 5E-07	8 3E-07
	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
1 6 KM																
3	4E-07	1 4E-07	8 7E-08	1 2E-07	1 7E-07	2 3E-07	2 1E-07	2 2E-07	2 1E-07	1 5E-07	1 7E-07	2 0E-07	1 9E-07	2 7E-07	4 5E-07	6 4E-07
3	0E-07	1 3E-07	7 7E-08	1 0E-07	1 5E-07	2 0E-07	1 9E-07	2 0E-07	1 9E-07	1 3E-07	1 9E-07	2 1E-07	2 1E-07	3 0E-07	5 0E-07	5 6E-07
5	0E-09	1 9E-09	7 6E-10	1 1E-09	1 5E-09	2 6E-09	2 9E-09	2 7E-09	2 3E-09	1 3E-09	1 5E-09	1 5E-09	1 5E-09	1 7E-09	3 1E-09	7 5E-09
3	4E-07	1 4E-07	8 7E-08	1 2E-07	1 7E-07	2 3E-07	2 1E-07	2 2E-07	2 1E-07	1 5E-07	1 7E-07	2 0E-07	1 9E-07	2 7E-07	4 5E-07	6 4E-07
3	4E-07	1 4E-07	8 7E-08	1 2E-07	1 7E-07	2 3E-07	2 1E-07	2 2E-07	2 1E-07	1 5E-07	1 7E-07	2 0E-07	1 9E-07	2 7E-07	4 5E-07	6 4E-07
3	0E-07	1 3E-07	7 7E-08	1 0E-07	1 5E-07	2 0E-07	1 9E-07	2 0E-07	1 9E-07	1 3E-07	1 9E-07	2 1E-07	2 1E-07	3 0E-07	5 0E-07	5 6E-07
3	0E-07	1 3E-07	7 7E-08	1 0E-07	1 5E-07	2 0E-07	1 9E-07	2 0E-07	1 9E-07	1 3E-07	1 9E-07	2 1E-07	2 1E-07	3 0E-07	5 0E-07	5 6E-07
	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 10.00 CALMS LOWER LEV - 1.10
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
2 4 KM																
1	9E-07	9.0E-08	5 5E-08	7 0E-08	1 0E-07	1 3E-07	1 2E-07	1 2E-07	1 2E-07	8 8E-08	9 5E-08	1 2E-07	1 0E-07	1 5E-07	2 6E-07	3 7E-07
1	7E-07	8.0E-08	4 8E-08	6 2E-08	8 9E-08	1 1E-07	1 1E-07	1 1E-07	1 0E-07	7 8E-08	1 0E-07	1 2E-07	1 1E-07	1 7E-07	2 9E-07	3 1E-07
2	4E-09	1 0E-09	4 1E-10	6 0E-10	8 4E-10	1 3E-09	1 5E-09	1 4E-09	1 2E-09	6 8E-10	7 4E-10	8 0E-10	7 5E-10	8 9E-10	1 7E-09	3 8E-09
1	9E-07	9 0E-08	5 4E-08	7 0E-08	1 0E-07	1 3E-07	1 2E-07	1 2E-07	1 2E-07	8 8E-08	9 5E-08	1 2E-07	1 0E-07	1 5E-07	2 6E-07	3 7E-07
1	9E-07	9 0E-08	5 5E-08	7 0E-08	1 0E-07	1 3E-07	1 2E-07	1 2E-07	1 2E-07	8 8E-08	9 5E-08	1 2E-07	1 0E-07	1 5E-07	2 6E-07	3 7E-07
1	7E-07	8.0E-08	4 8E-08	6 1E-08	8 9E-08	1 1E-07	1 1E-07	1 1E-07	1 0E-07	7 8E-08	1 0E-07	1 2E-07	1 1E-07	1 6E-07	2 9E-07	3 1E-07
1	7E-07	8.0E-08	4 8E-08	6 1E-08	8 9E-08	1 1E-07	1 1E-07	1 1E-07	1 0E-07	7 8E-08	1 0E-07	1 2E-07	1 1E-07	1 7E-07	2 9E-07	3 1E-07
	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
3 2 KM																
1	4E-07	5 8E-08	3 6E-08	5 8E-08	7 0E-08	8 5E-08	8 6E-08	8 9E-08	9 0E-08	6 3E-08	6 8E-08	8 0E-08	7 3E-08	1 1E-07	1 9E-07	2 6E-07
1	2E-07	5 0E-08	3 1E-08	5 0E-08	5 9E-08	7 2E-08	7 4E-08	7 6E-08	7 7E-08	5 5E-08	7 3E-08	8 1E-08	7 7E-08	1 1E-07	2 0E-07	2 2E-07
1	5E-09	5 9E-10	2 5E-10	4 5E-10	5 2E-10	8 0E-10	9 9E-10	9 1E-10	8 3E-10	4 4E-10	4 9E-10	5 0E-10	4 9E-10	5 8E-10	1 1E-09	2 5E-09
1	4E-07	5 8E-08	3 5E-08	5 7E-08	6 9E-08	8 5E-08	8 6E-08	8 9E-08	8 9E-08	6 3E-08	6 8E-08	7 9E-08	7 3E-08	1 1E-07	1 8E-07	2 6E-07
1	4E-07	5 8E-08	3 5E-08	5 7E-08	7 0E-08	8 5E-08	8 6E-08	8 9E-08	8 9E-08	6 3E-08	6 8E-08	8 0E-08	7 3E-08	1 1E-07	1 8E-07	2 6E-07
1	2E-07	5 0E-08	3 1E-08	4 9E-08	5 9E-08	7 2E-08	7 3E-08	7 6E-08	7 7E-08	5 5E-08	7 3E-08	8 1E-08	7 7E-08	1 1E-07	2 0E-07	2 2E-07
1	2E-07	5 0E-08	3 1E-08	4 9E-08	5 9E-08	7 2E-08	7 4E-08	7 6E-08	7 7E-08	5 5E-08	7 3E-08	8 1E-08	7 7E-08	1 1E-07	2 0E-07	2 2E-07
	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200
4 0 KM																
9	9E-08	4 1E-08	2 5E-08	5 0E-08	5 2E-08	6 2E-08	6 6E-08	7 1E-08	7 1E-08	4 9E-08	5 4E-08	6 0E-08	5 5E-08	8 2E-08	1 4E-07	1 9E-07
9	4E-09	3 5E-08	2 1E-09	4 2E-08	4 4E-08	5 2E-08	5 5E-08	5 9E-08	6 0E-08	4 3E-08	5 6E-08	6 0E-08	5 8E-08	8 5E-08	1 5E-07	1 6E-07
1	0E-09	7 7E-10	1 6E-10	3 5E-10	3 5E-10	5 3E-10	6 8E-10	6 6E-10	6 0E-10	3 1E-10	3 5E-10	3 4E-10	3 4E-10	4 0E-10	7 3E-10	1 7E-09
9	9E-08	4 1E-08	2 5E-08	4 9E-08	5 2E-08	6 2E-08	6 5E-08	7 0E-08	7 1E-08	4 9E-08	5 3E-08	5 9E-08	5 5E-08	8 1E-08	1 4E-07	1 9E-07
9	9E-08	4 1E-08	2 5E-08	5 0E-08	5 2E-08	6 2E-08	6 6E-08	7 1E-08	7 1E-08	4 9E-08	5 4E-08	6 0E-08	5 5E-08	8 1E-08	1 4E-07	1 9E-07
8	4E-09	3 5E-08	2 1E-09	4 2E-08	4 3E-08	5 2E-08	5 5E-08	5 9E-08	6 0E-08	4 3E-08	5 6E-08	6 0E-08	5 7E-08	8 5E-08	1 5E-07	1 6E-07
8	4E-09	3 5E-08	2 1E-09	4 2E-08	4 3E-08	5 2E-08	5 5E-08	5 9E-08	6 0E-08	4 3E-08	5 6E-08	6 0E-08	5 7E-08	8 5E-08	1 5E-07	1 6E-07
	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
4 8 KM																
8	0E-09	3 2E-08	2 2E-08	3 3E-08	3 9E-08	5 0E-08	5 2E-08	5 6E-08	5 4E-08	4 2E-08	4 3E-08	4 9E-08	4 6E-08	6 9E-08	1 1E-07	1 6E-07
6	6E-08	2 7E-08	1 6E-08	2 8E-08	3 2E-08	4 1E-08	4 3E-08	4 7E-08	4 5E-08	3 6E-08	4 5E-08	4 9E-08	4 7E-08	7 1E-08	1 2E-07	1 3E-07
7	8E-10	2 6E-10	1 2E-10	2 1E-10	2 5E-10	4 0E-10	5 1E-10	4 9E-10	4 2E-10	2 5E-10	2 6E-10	2 6E-10	2 6E-10	3 1E-10	5 5E-10	1 2E-09
7	9E-08	3 2E-08	2 2E-08	3 3E-08	3 9E-08	5 0E-08	5 2E-08	5 6E-08	5 4E-08	4 2E-08	4 3E-08	4 9E-08	4 5E-08	6 9E-08	1 1E-07	1 6E-07
7	9E-08	3 2E-08	2 2E-08	3 3E-08	3 9E-08	5 0E-08	5 2E-08	5 6E-08	5 4E-08	4 2E-08	4 3E-08	4 9E-08	4 5E-08	6 9E-08	1 1E-07	1 6E-07
6	6E-08	2 7E-08	1 6E-08	2 7E-08	3 2E-08	4 1E-08	4 3E-08	4 6E-08	4 5E-08	3 6E-08	4 5E-08	4 8E-08	4 6E-08	7 1E-08	1 2E-07	1 3E-07
6	6E-08	2 7E-08	1 6E-08	2 6E-08	3 2E-08	4 1E-08	4 3E-08	4 6E-08	4 5E-08	3 6E-08	4 5E-08	4 9E-08	4 7E-08	7 1E-08	1 2E-07	1 3E-07
	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800	4800

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 10.00 CALMS LOWER LEV - 1.10
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-76 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 03/04/80

ANNUAL AVERAGE (MIXED MODE) — WOLF CREEK GENERATING STATION
STANDARD PTG = T/R CORRECTED — KANSAS GAS AND ELECTRIC CO.
ONSITE METEOROLOGY - 3 YEARS — BURLINGTON, KANSAS
DATE 23-NOV-81 TIME 16.46.39 — DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
5.6 KM															
6 6E-09 2	6E-08 2	0E-08 2	2E-08 3	2E-08 4	2E-08 4	3E-08 4	6E-08 4	4E-08 3	6E-08 3	6E-08 4	2E-08 3	8E-08 6	0E-08 7	3E-08 1	4E-07
5 5E-08 2	2E-08 1	7E-08 1	9E-08 2	6E-08 3	5E-08 3	5E-08 3	8E-08 3	6E-08 3	1E-08 3	7E-08 4	2E-08 3	9E-08 6	1E-08 9	6E-08 1	1E-07
6 0E-10 2	0E-10 1	0E-10 1	3E-10 1	6E-10 3	1E-10 3	9E-10 3	8E-10 3	2E-10 2	0E-10 2	0E-10 2	1E-10 2	0E-10 2	5E-10 4	2E-10 9	6E-10
6 6E-09 2	6E-08 2	0E-08 2	2E-08 3	1E-08 4	2E-08 4	2E-08 4	6E-08 4	4E-08 3	6E-08 3	6E-08 4	2E-08 3	8E-08 6	0E-08 9	2E-08 1	4E-07
6 6E-09 2	6E-08 2	0E-08 2	2E-08 3	1E-08 4	2E-08 4	2E-08 4	6E-08 4	4E-08 3	6E-08 3	6E-08 4	2E-08 3	8E-08 6	0E-08 9	2E-08 1	4E-07
5 4E-08 2	2E-08 1	6E-08 1	8E-08 2	6E-08 3	4E-08 3	5E-08 3	8E-08 3	6E-08 3	0E-08 3	7E-08 4	1E-08 3	8E-08 6	0E-08 9	5E-08 1	1E-07
5 5E-08 2	2E-08 1	7E-08 1	9E-08 2	6E-08 3	4E-08 3	5E-08 3	8E-08 3	6E-08 3	1E-08 3	7E-08 4	2E-08 3	8E-08 6	1E-08 9	5E-08 1	1E-07
5600	5600	5600	5600	5600	5600	5600	5600	5600	5600	5600	5600	5600	5600	5600	5600
6.4 KM															
5 6E-09 2	0E-08 1	6E-08 1	9E-08 2	7E-08 3	5E-08 3	5E-08 3	9E-08 3	6E-08 3	1E-08 3	1E-08 3	7E-08 3	1E-08 5	0E-08 8	3E-08 1	1E-07
4 6E-08 2	0E-08 1	4E-08 1	6E-08 2	2E-08 2	8E-08 2	7E-08 3	2E-08 2	9E-08 2	6E-08 3	1E-08 3	6E-08 3	1E-08 5	1E-08 8	4E-08 9	1E-08
4 8E-10 1	4E-10 7	0E-11 1	0E-10 1	5E-10 2	5E-10 3	1E-10 3	0E-10 2	5E-10 1	6E-10 1	6E-10 1	7E-10 1	5E-10 2	0E-10 3	5E-10 7	4E-10
5 6E-08 2	3E-08 1	6E-08 1	9E-08 2	7E-08 3	5E-08 3	5E-08 3	9E-08 3	6E-08 3	0E-08 3	1E-08 3	6E-08 3	1E-08 5	0E-08 8	2E-08 1	1E-07
5 6E-08 2	3E-08 1	6E-08 1	9E-08 2	7E-08 3	5E-08 3	5E-08 3	9E-08 3	6E-08 3	1E-08 3	1E-08 3	7E-08 3	1E-08 5	0E-08 8	3E-08 1	1E-07
4 6E-08 2	0E-08 1	4E-08 1	6E-08 2	2E-08 2	8E-08 2	9E-08 3	2E-08 2	9E-08 2	6E-08 3	1E-08 3	5E-08 3	1E-08 5	0E-08 8	4E-08 9	0E-08
4 6E-08 2	0E-08 1	4E-08 1	6E-08 2	2E-08 2	8E-08 2	9E-08 3	2E-08 2	9E-08 2	6E-08 3	1E-08 3	6E-08 3	1E-08 5	1E-08 8	4E-08 9	1E-08
6400	6400	6400	6400	6400	6400	6400	6400	6400	6400	6400	6400	6400	6400	6400	6400
7.2 KM															
4 9E-08 2	0E-08 1	3E-08 1	7E-08 2	6E-08 3	0E-08 3	0E-08 3	4E-08 3	0E-08 2	7E-08 2	8E-08 3	1E-08 2	6E-08 4	2E-08 7	0E-08 9	2E-08
4 9E-08 1	8E-08 1	1E-08 1	5E-08 2	1E-08 2	4E-08 2	7E-08 2	5E-08 2	2E-08 2	9E-08 3	0E-08 2	6E-08 4	2E-08 7	0E-08 7	4E-08	
4 0E-10 1	2E-10 5	0E-11 8	9E-11 1	3E-10 2	0E-10 2	5E-10 2	5E-10 2	0E-10 1	3E-10 1	4E-10 1	4E-10 1	2E-10 1	6E-10 2	8E-10 6	0E-10
4 9E-08 2	0E-08 1	3E-08 1	7E-08 2	5E-08 3	0E-08 3	0E-08 3	3E-08 3	0E-08 2	6E-08 2	8E-08 3	1E-08 2	6E-08 4	2E-08 7	0E-08 9	2E-08
4 9E-08 2	0E-08 1	3E-08 1	7E-08 2	5E-08 3	0E-08 3	0E-08 3	4E-08 3	0E-08 2	7E-08 2	8E-08 3	1E-08 2	6E-08 4	2E-08 7	0E-08 9	2E-08
4 3E-08 1	8E-08 1	1E-08 1	4E-08 2	0E-08 2	4E-08 2	4E-08 2	7E-08 2	4E-08 2	2E-08 2	8E-08 3	0E-08 2	6E-08 4	2E-08 7	0E-08 7	4E-08
4 0E-09 1	8E-08 1	1E-08 1	4E-08 2	0E-08 2	4E-08 2	4E-08 2	7E-08 2	5E-08 2	2E-08 2	8E-08 3	0E-08 2	6E-08 4	2E-08 7	0E-08 7	4E-08
7200	7200	7200	7200	7200	7200	7200	7200	7200	7200	7200	7200	7200	7200	7200	7200
8.0 KM															
4 4E-08 1	8E-08 1	1E-08 1	6E-08 2	3E-08 2	6E-08 2	6E-08 3	9E-08 2	6E-08 2	3E-08 2	5E-08 2	9E-08 2	2E-08 3	7E-08 6	4E-08 8	2E-08
3 5E-08 1	5E-08 9	1E-09 1	3E-08 1	9E-08 2	1E-08 2	1E-08 2	4E-08 2	1E-08 1	9E-08 2	5E-08 2	7E-08 2	2E-08 3	6E-08 6	4E-08 6	6E-08
3 3E-10 1	1E-10 4	6E-11 7	7E-11 1	1E-10 1	6E-10 2	0E-10 2	1E-10 1	7E-10 1	0E-10 1	2E-10 1	2E-10 9	7E-11 1	3E-10 2	3E-10 5	0E-10
4 3E-08 1	8E-08 1	1E-08 1	6E-08 2	3E-08 2	6E-08 2	6E-08 3	0E-08 2	6E-08 2	2E-08 2	4E-08 2	7E-08 2	2E-08 3	6E-08 6	3E-08 8	1E-08
4 4E-08 1	8E-08 1	1E-08 1	6E-08 2	3E-08 2	6E-08 2	6E-08 3	0E-08 2	6E-08 2	2E-08 2	5E-08 2	8E-08 2	2E-08 3	7E-08 6	4E-08 8	2E-08
3 5E-08 1	5E-08 9	0E-09 1	3E-08 1	9E-08 2	1E-08 2	1E-08 2	4E-08 2	1E-08 1	9E-08 2	4E-08 2	6E-08 2	2E-08 3	6E-08 6	3E-08 6	5E-08
3 5E-08 1	5E-08 9	1E-09 1	3E-08 1	9E-08 2	1E-08 2	1E-08 2	4E-08 2	1E-08 1	9E-08 2	5E-08 2	6E-08 2	2E-08 3	6E-08 6	3E-08 6	6E-08
8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000

TOTAL OBS =26304 TOTAL INV OBS = 1747 CALMS UPPER LEVEL = 10.00 CALMS LOWER LEV = 1.10
KEY ENTRY 1 RELATIVE CONCENTRATION = XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 = DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
12.0 KM															
2 4E-08 1	2E-08 6	4E-09 9	3E-09 1	2E-08 1	4E-08 1	6E-08 1	8E-08 1	7E-08 1	3E-08 1	6E-08 1	6E-08 1	6E-08 2	3E-08 3	9E-08 4	7E-08
1 9E-08 9	7E-09 5	2E-09 7	5E-09 9	6E-09 1	1E-08 1	2E-08 1	4E-08 1	3E-08 1	1E-08 1	5E-08 1	5E-08 1	5E-08 2	2E-08 3	8E-08 3	6E-08
1 5E-10 5	5E-11 2	1E-11 3	7E-11 4	9E-11 7	5E-11 1	0E-10 1	1E-10 9	0E-11 4	6E-11 6	1E-11 5	5E-11 5	8E-11 6	7E-11 1	2E-10 2	6E-10
2 4E-08 1	1E-08 6	2E-09 9	1E-09 1	2E-08 1	4E-08 1	3E-08 1	8E-08 1	7E-08 1	3E-08 1	6E-08 1	6E-09 1	6E-08 2	3E-08 3	9E-08 4	7E-08
2 4E-08 1	2E-08 6	3E-09 9	1E-09 1	2E-08 1	4E-08 1	6E-08 1	8E-08 1	7E-08 1	3E-08 1	6E-08 1	6E-08 1	6E-08 2	3E-08 3	9E-08 4	7E-08
1 3E-08 9	6E-09 5	1E-09 7	4E-09 9	5E-09 1	1E-08 1	2E-08 1	4E-08 1	3E-08 1	0E-08 1	5E-09 1	5E-09 1	5E-09 2	2E-09 3	7E-09 3	6E-08
1 9E-08 9	7E-09 5	2E-09 7	5E-09 9	6E-09 1	1E-08 1	2E-08 1	4E-08 1	3E-08 1	1E-08 1	5E-09 1	5E-09 1	5E-09 2	2E-09 3	7E-09 3	6E-08
12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
16.0 KM															
1 7E-08 9	2E-09 4	3E-09 6	6E-09 8	0E-09 1	0E-08 1	1E-08 1	2E-08 1	2E-08 0	4E-09 1	2E-08 1	0E-08 1	2E-08 1	7E-08 2	8E-08 3	2E-08
1 3E-08 7	6E-09 3	5E-09 5	2E-09 6	1E-09 7	5E-09 8	1E-09 9	3E-09 1	0E-08 6	8E-09 1	1E-08 9	3E-09 1	1E-08 1	6E-08 2	6E-08 2	3E-08
9 3E-11 3	7E-11 1	2E-11 2	3E-11 2	7E-11 4	5E-11 6	3E-11 6	5E-11 6	0E-11 2	5E-11 4	0E-11 3	0E-11 3	7E-11 4	3E-11 7	7E-11 1	5E-10
1 7E-08 9	0E-09 4	2E-09 6	4E-09 7	8E-09 9	7E-09 1	1E-08 1	2E-08 1	2E-08 8	1E-09 1	2E-08 1	0E-08 1	2E-08 1	7E-08 2	7E-08 3	1E-08
1 7E-08 9	1E-09 4	3E-09 6	5E-09 7	9E-09 9	9E-09 1	1E-08 1	2E-08 1	2E-08 8	3E-09 1	2E-08 1	0E-08 1	2E-08 1	7E-08 2	7E-08 3	2E-08
1 3E-08 7	4E-09 3	4E-09 5	1E-09 5	9E-09 7	3E-09 7	9E-09 9	2E-09 1	0E-08 6	7E-09 1	1E-08 9	1E-09 1	1E-08 1	6E-08 2	5E-08 2	3E-08
1 3E-08 7	5E-09 3	4E-09 5	2E-09 6	0E-09 7	4E-09 8	0E-09 9	3E-09 1	0E-08 6	8E-09 1	1E-08 9	3E-09 1	1E-08 1	6E-08 2	6E-08 2	3E-08
16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000
24.0 KM															
9 8E-09 5	4E-09 2	9E-09 3	6E-09 5	0E-09 5	5E-09 6	3E-09 6	9E-09 7	9E-09 5	6E-09 6	4E-09 6	3E-09 6	8E-09 9	7E-09 1	7E-08 2	0E-08
7 4E-09 4	4E-09 2	3E-09 2	8E-09 3	7E-09 4	6E-09 4	5E-09 4	9E-09 5	9E-09 4	4E-09 5	9E-09 5	6E-09 6	1E-09 8	7E-09 1	5E-08 1	4E-08
4 4E-11 1	7E-11 6	6E-12 1	1E-11 1	4E-11 2	1E-11 3	0E-11 2	9E-11 3	0E-11 1	4E-11 1	8E-11 1	5E-11 1	7E-11 2	0E-11 3	8E-11 7	8E-11
9 6E-09 5	2E-09 2	8E-09 3	5E-09 4	8E-09 5	4E-09 6	1E-09 6	7E-09 7	7E-09 5	3E-09 6	2E-09 6	1E-09 6	6E-09 9	4E-09 1	6E-08 2	0E-08
9 7E-09 5	3E-09 2	9E-09 3	6E-09 4	9E-09 5	5E-09 6	2E-09 6	8E-09 7	9E-09 5	5E-09 6	3E-09 6	2E-09 6	7E-09 9	6E-09 1	7E-08 2	0E-08
7 2E-09 4	2E-09 2	2E-09 2	7E-09 3	6E-09 3	9E-09 4	4E-09 4	8E-09 5	7E-09 4	3E-09 5	7E-09 5	4E-09 5	9E-09 8	4E-09 1	5E-08 1	4E-08
7 3E-09 4	3E-09 2	3E-09 2	7E-09 3	6E-09 3	9E-09 4	4E-09 4	9E-09 5	8E-09 4	4E-09 5	8E-09 5	5E-09 6	0E-09 8	6E-09 1	5E-08 1	4E-08
24000	24000	24000	24000	24000	24000	24000	24000	24000	24000	24000	24000	24000	24000	24000	24000
32.0 KM															
6 7E-09 3	6E-09 2	2E-09 2	4E-09 3	6E-09 3	8E-09 4	3E-09 4	4E-09 5	5E-09 4	2E-09 4	0E-09 4	4E-09 4	6E-09 7	0E-09 1	2E-08 1	5E-08
4 8E-09 2	9E-09 1	7E-09 1	8E-09 2	6E-09 2	6E-09 2	9E-09 3	1E-09 4	0E-09 3	3E-09 3	6E-09 3	3E-09 4	0E-09 6	1E-09 1	0E-08 1	0E-08
2 7E-11 1	0E-11 4	5E-12 6	1E-12 8	7E-12 1	2E-11 1	0E-11 1	6E-11 1	8E-11 8	8E-12 9	7E-12 0	3E-12 1	0E-11 1	2E-11 2	3E-11 5	0E-11
6 5E-09 3	4E-09 2	1E-09 2	3E-09 3	4E-09 3	6E-09 4	1E-09 4	3E-09 5	3E-09 3	9E-09 3	6E-09 4	2E-09 4	4E-09 6	7E-09 1	1E-08 1	4E-08
6 7E-09 3	6E-09 2	2E-09 2	4E-09 3	6E-09 3	7E-09 4	2E-09 4	4E-09 5	5E-09 4	1E-09 3	9E-09 4	4E-09 4	5E-09 6	9E-09 1	1E-08 1	5E-08
4 7E-09 2	7E-09 1	6E-09 1	7E-09 2	5E-09 2	5E-09 2	8E-09 3	0E-09 3	8E-09 3	1E-09 3	4E-09 3	7E-09 3	8E-09 5	8E-09 9	1E-09 9	9E-09
4 8E-09 2	8E-09 1	7E-09 1	8E-09 2	5E-09 2	6E-09 2	9E-09 3	1E-09 3	9E-09 3	2E-09 3	6E-09 3	8E-09 4	0E-09 6	0E-09 9	9E-09 1	0E-08
32000	32000	32000	32000	32000	32000	32000	32000	32000	32000	32000	32000	32000	32000	32000	32000

TOTAL OBS =26304 TOTAL INV OBS = 1747 CALMS UPPER LEVEL = 10.00 CALMS LOWER LEV = 1.10
KEY ENTRY 1 RELATIVE CONCENTRATION = XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 = DISTANCE IN METERS

TABLE 2.3-76 (Continued)

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/0,/73 TO 03/04/80

ANNUAL AVERAGE (MIXED MODE)
STANDARD PTS - T/R CORRECTED
ONSITE METEOROLOGY - 3 YEARS
DATE 23-NOV-81 TIME 18 46 39

WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC CO.
BURLINGTON, KANSAS
DAMES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
40.0 KM																
	4.7E-09	2.2E-09	1.5E-09	2.0E-09	2.8E-09	2.7E-09	3.0E-09	3.4E-09	4.3E-09	3.0E-09	2.8E-09	3.4E-09	3.4E-09	5.3E-09	8.0E-09	1.0E-08
	3.3E-09	1.7E-09	1.1E-09	1.5E-09	1.9E-09	1.9E-09	2.0E-09	2.3E-09	3.0E-09	2.3E-09	2.5E-09	2.9E-09	2.9E-09	4.5E-09	6.7E-09	9.9E-09
	1.7E-11	5.8E-12	2.7E-12	4.2E-12	5.9E-12	7.9E-12	1.1E-11	1.2E-11	1.2E-11	5.6E-12	6.2E-12	5.6E-12	6.7E-12	8.3E-12	1.4E-11	3.1E-11
	4.5E-09	2.1E-09	1.4E-09	1.9E-09	2.6E-09	2.6E-09	2.9E-09	3.3E-09	4.1E-09	2.8E-09	2.7E-09	3.2E-09	3.2E-09	5.0E-09	7.6E-09	9.9E-09
	4.6E-09	2.2E-09	1.5E-09	1.9E-09	2.7E-09	2.7E-09	3.0E-09	3.4E-09	4.2E-09	2.9E-09	2.8E-09	3.3E-09	3.3E-09	5.2E-09	7.9E-09	1.0E-08
	3.2E-09	1.6E-09	1.1E-09	1.4E-09	1.8E-09	1.8E-09	1.9E-09	2.2E-09	2.8E-09	2.1E-09	2.4E-09	2.7E-09	2.7E-09	4.3E-09	6.4E-09	8.6E-09
	3.3E-09	1.7E-09	1.1E-09	1.4E-09	1.9E-09	1.8E-09	2.0E-09	2.3E-09	2.9E-09	2.2E-09	2.5E-09	2.8E-09	2.8E-09	4.4E-09	6.6E-09	8.8E-09
	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.	40000.
48.0 KM																
	3.5E-09	1.9E-09	1.1E-09	1.7E-09	2.2E-09	2.1E-09	2.3E-09	2.7E-09	3.4E-09	2.3E-09	2.1E-09	2.6E-09	2.6E-09	4.1E-09	5.7E-09	8.2E-09
	2.4E-09	1.2E-09	8.2E-10	1.2E-09	1.5E-09	1.4E-09	1.5E-09	1.8E-09	2.4E-09	1.7E-09	1.9E-09	2.3E-09	2.2E-09	3.5E-09	4.7E-09	6.5E-09
	1.1E-11	3.6E-12	1.7E-12	3.4E-12	4.3E-12	5.7E-12	8.0E-12	8.4E-12	9.3E-12	4.0E-12	4.1E-12	4.8E-12	5.8E-12	9.1E-12	1.1E-11	2.2E-11
	3.3E-09	1.4E-09	1.0E-09	1.5E-09	2.1E-09	2.0E-09	2.2E-09	2.6E-09	3.2E-09	2.1E-09	2.0E-09	2.4E-09	2.5E-09	3.9E-09	5.3E-09	7.6E-09
	3.4E-09	1.5E-09	1.1E-09	1.6E-09	2.2E-09	2.1E-09	2.3E-09	2.7E-09	3.4E-09	2.2E-09	2.1E-09	2.5E-09	2.5E-09	4.0E-09	5.6E-09	8.1E-09
	2.3E-09	1.1E-09	7.7E-10	1.1E-09	1.4E-09	1.3E-09	1.4E-09	1.7E-09	2.2E-09	1.6E-09	1.7E-09	2.1E-09	2.1E-09	3.3E-09	4.4E-09	5.1E-09
	2.4E-09	1.1E-09	8.1E-10	1.2E-09	1.5E-09	1.4E-09	1.5E-09	1.8E-09	2.3E-09	1.7E-09	1.8E-09	2.2E-09	2.2E-09	3.4E-09	4.6E-09	5.3E-09
	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.	48000.
56.0 KM																
	2.7E-09	1.6E-09	8.4E-10	1.4E-09	1.8E-09	1.7E-09	1.9E-09	2.4E-09	2.8E-09	1.8E-09	1.6E-09	2.1E-09	2.2E-09	3.5E-09	4.3E-09	6.6E-09
	1.9E-09	8.2E-10	6.2E-10	1.0E-09	1.2E-09	1.1E-09	1.2E-09	1.5E-09	1.9E-09	1.3E-09	1.5E-09	1.8E-09	1.8E-09	3.2E-09	3.5E-09	4.2E-09
	8.1E-12	2.4E-12	1.3E-12	2.8E-12	3.3E-12	4.2E-12	6.1E-12	6.8E-12	7.2E-12	3.0E-12	3.3E-12	5.0E-12	3.6E-12	7.2E-12	6.4E-12	1.7E-11
	2.5E-09	9.9E-10	7.8E-10	1.3E-09	1.7E-09	1.5E-09	1.8E-09	2.2E-09	2.6E-09	1.6E-09	1.5E-09	1.9E-09	2.0E-09	3.2E-09	4.0E-09	6.2E-09
	2.6E-09	1.0E-09	8.2E-10	1.4E-09	1.8E-09	1.6E-09	1.9E-09	2.3E-09	2.8E-09	1.7E-09	1.6E-09	2.0E-09	2.1E-09	3.4E-09	4.2E-09	6.5E-09
	1.7E-09	7.6E-10	5.7E-10	9.3E-10	1.1E-09	9.9E-10	1.1E-09	1.4E-09	1.7E-09	1.2E-09	1.3E-09	1.7E-09	1.7E-09	3.0E-09	3.2E-09	4.0E-09
	1.8E-09	8.0E-10	6.1E-10	9.8E-10	1.2E-09	1.0E-09	1.2E-09	1.5E-09	1.8E-09	1.3E-09	1.4E-09	1.8E-09	1.7E-09	3.1E-09	3.4E-09	4.1E-09
	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.	56000.
64.0 KM																
	2.2E-09	8.8E-10	6.7E-10	1.1E-09	1.4E-09	1.5E-09	1.5E-09	1.7E-09	2.2E-09	1.4E-09	1.3E-09	1.6E-09	2.0E-09	2.8E-09	3.5E-09	5.3E-09
	1.5E-09	6.6E-10	4.9E-10	7.6E-10	9.2E-10	9.4E-10	9.5E-10	1.1E-09	1.4E-09	1.1E-09	1.2E-09	1.4E-09	1.7E-09	2.5E-09	3.0E-09	3.9E-09
	6.3E-12	1.9E-12	1.0E-12	2.0E-12	2.4E-12	3.4E-12	4.5E-12	4.6E-12	5.3E-12	2.3E-12	2.3E-12	3.6E-12	3.7E-12	5.2E-12	5.3E-12	1.3E-11
	2.1E-09	8.0E-10	6.1E-10	9.8E-10	1.3E-09	1.4E-09	1.4E-09	1.6E-09	2.1E-09	1.3E-09	1.2E-09	1.5E-09	1.8E-09	2.6E-09	3.5E-09	4.9E-09
	2.2E-09	8.5E-10	6.5E-10	1.1E-09	1.4E-09	1.4E-09	1.5E-09	1.7E-09	2.2E-09	1.4E-09	1.2E-09	1.6E-09	1.9E-09	2.7E-09	3.7E-09	5.2E-09
	1.4E-09	6.0E-10	4.5E-10	6.9E-10	8.5E-10	8.6E-10	8.8E-10	1.0E-09	1.3E-09	9.6E-10	1.1E-09	1.3E-09	1.6E-09	2.3E-09	2.8E-09	3.6E-09
	1.5E-09	6.4E-10	4.8E-10	7.4E-10	9.0E-10	9.2E-10	9.3E-10	1.1E-09	1.4E-09	1.0E-09	1.1E-09	1.4E-09	1.7E-09	2.5E-09	2.9E-09	3.8E-09
	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.	64000.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 10.00 CALMS LOWER LEV - 1.10
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
72.0 KM																
	1.8E-09	7.6E-10	5.8E-10	9.0E-10	1.2E-09	1.4E-09	1.2E-09	1.4E-09	1.7E-09	1.2E-09	1.1E-09	1.3E-09	1.8E-09	2.3E-09	3.4E-09	4.4E-09
	1.2E-09	5.7E-10	4.1E-10	6.2E-10	7.7E-10	8.6E-10	7.6E-10	8.5E-10	1.1E-09	8.4E-10	9.8E-10	1.1E-09	1.6E-09	2.1E-09	2.7E-09	2.7E-09
	4.9E-12	1.6E-12	8.4E-13	1.6E-12	2.0E-12	3.0E-12	3.4E-12	3.4E-12	3.9E-12	1.8E-12	2.5E-12	2.7E-12	3.3E-12	4.0E-12	7.2E-12	1.0E-11
	1.7E-09	6.9E-10	5.2E-10	8.0E-10	1.1E-09	1.2E-09	1.1E-09	1.2E-09	1.6E-09	1.0E-09	9.8E-10	1.2E-09	1.7E-09	2.1E-09	3.1E-09	4.1E-09
	1.6E-09	7.4E-10	5.6E-10	8.7E-10	1.2E-09	1.3E-09	1.2E-09	1.3E-09	1.7E-09	1.1E-09	1.1E-09	1.3E-09	1.8E-09	2.3E-09	3.3E-09	4.3E-09
	1.1E-09	5.1E-10	3.8E-10	5.6E-10	7.1E-10	7.7E-10	6.9E-10	7.7E-10	9.9E-10	7.5E-10	8.8E-10	1.0E-09	1.4E-09	1.9E-09	2.7E-09	2.5E-09
	1.2E-09	5.5E-10	4.0E-10	6.0E-10	7.5E-10	8.3E-10	7.4E-10	8.2E-10	1.1E-09	8.1E-10	9.5E-10	1.1E-09	1.5E-09	2.0E-09	2.9E-09	2.6E-09
	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.	72000.
80.0 KM																
	1.6E-09	7.0E-10	4.7E-10	6.9E-10	9.7E-10	1.0E-09	1.1E-09	1.4E-09	1.8E-09	1.2E-09	9.8E-10	1.2E-09	1.6E-09	2.0E-09	3.1E-09	3.7E-09
	1.0E-09	5.1E-10	3.3E-10	4.7E-10	6.1E-10	7.7E-10	6.4E-10	6.5E-10	8.4E-10	7.0E-10	8.2E-10	9.6E-10	1.4E-09	1.8E-09	2.7E-09	2.2E-09
	4.1E-12	1.4E-12	6.6E-13	1.2E-12	1.6E-12	2.6E-12	2.8E-12	2.6E-12	2.9E-12	1.5E-12	2.0E-12	2.2E-12	3.2E-12	3.2E-12	5.6E-12	8.0E-12
	1.5E-09	6.2E-10	4.2E-10	6.1E-10	8.7E-10	1.1E-09	9.4E-10	9.9E-10	1.2E-09	8.6E-10	8.2E-10	1.0E-09	1.5E-09	1.6E-09	2.6E-09	3.4E-09
	1.6E-09	7.1E-10	5.0E-10	7.7E-10	9.4E-10	1.0E-09	1.0E-09	1.0E-09	1.3E-09	9.4E-10	8.9E-10	1.1E-09	1.6E-09	1.9E-09	3.0E-09	3.6E-09
	9.4E-10	4.6E-10	3.0E-10	4.2E-10	5.5E-10	6.9E-10	5.7E-10	5.9E-10	7.7E-10	6.1E-10	7.3E-10	8.7E-10	1.3E-09	1.6E-09	2.4E-09	2.0E-09
	1.0E-09	5.0E-10	3.2E-10	4.6E-10	6.0E-10	7.4E-10	6.1E-10	6.4E-10	8.2E-10	6.7E-10	7.9E-10	9.3E-10	1.4E-09	1.7E-09	2.6E-09	2.1E-09
	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.	80000.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 10.00 CALMS LOWER LEV - 1.10
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3)
ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2)
ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS
ENTRY 8 - DISTANCE IN METERS

TABLE 2.3-77

AVERAGE METEOROLOGICAL RELATIVE CONCENTRATION ANALYSIS
DATA PERIOD 06/01/73 TO 03/04/00

ANNUAL AVERAGE (MIXED MODE) WOLF CREEK GENERATING STATION
SPECIAL PTS. - T/R CORRECTED KANSAS GAS AND ELECTRIC CO
ONSITE METEOROLOGY - 3 YEARS BURLINGTON, KANSAS
DATE 23-NOV-01 TIME 10 56 51 BARNES AND MOORE JOB 7699-064-07

AFFECTED SECTORS

ZONE	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
EXCLUSION BOUNDARY																
	5.0E-07	2.1E-07	1.2E-07	1.7E-07	2.4E-07	3.4E-07	3.1E-07	3.4E-07	3.1E-07	2.0E-07	2.6E-07	2.9E-07	2.8E-07	4.1E-07	6.5E-07	9.2E-07
	4.7E-07	1.9E-07	1.1E-07	1.5E-07	2.2E-07	3.1E-07	2.9E-07	3.1E-07	2.9E-07	1.8E-07	2.4E-07	2.6E-07	2.5E-07	3.6E-07	5.9E-07	8.2E-07
	7.9E-09	3.0E-09	1.1E-09	1.7E-09	2.2E-09	4.0E-09	4.5E-09	4.5E-09	3.5E-09	1.6E-09	2.4E-09	2.3E-09	2.3E-09	2.7E-09	4.7E-09	1.1E-08
	5.0E-07	2.1E-07	1.3E-07	1.7E-07	2.4E-07	3.4E-07	3.1E-07	3.4E-07	3.1E-07	2.0E-07	2.6E-07	2.9E-07	2.7E-07	4.1E-07	6.5E-07	9.2E-07
	5.0E-07	2.1E-07	1.3E-07	1.7E-07	2.4E-07	3.4E-07	3.1E-07	3.4E-07	3.1E-07	2.0E-07	2.6E-07	2.9E-07	2.8E-07	4.1E-07	6.5E-07	9.2E-07
	4.5E-07	1.9E-07	1.1E-07	1.5E-07	2.2E-07	3.1E-07	2.8E-07	3.1E-07	2.7E-07	1.8E-07	2.4E-07	2.6E-07	2.5E-07	3.6E-07	5.9E-07	8.2E-07
	4.5E-07	1.9E-07	1.1E-07	1.5E-07	2.2E-07	3.1E-07	2.8E-07	3.1E-07	2.7E-07	1.8E-07	2.4E-07	2.6E-07	2.5E-07	3.6E-07	5.9E-07	8.2E-07
	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.	1200.
LOW POPULATION ZONE																
	9.9E-08	4.0E-08	2.0E-08	4.9E-08	5.1E-08	6.1E-08	6.6E-08	7.1E-08	7.0E-08	4.9E-08	5.3E-08	5.9E-08	5.6E-08	8.1E-08	1.4E-07	1.9E-07
	8.9E-08	3.5E-08	2.0E-08	4.1E-08	4.3E-08	5.1E-08	5.5E-08	5.9E-08	5.6E-08	4.0E-08	4.5E-08	5.0E-08	4.7E-08	6.9E-08	1.1E-07	1.6E-07
	1.0E-09	3.6E-10	1.6E-10	3.4E-10	3.5E-10	5.2E-10	6.8E-10	6.6E-10	5.9E-10	3.1E-10	4.1E-10	3.4E-10	3.4E-10	4.0E-10	7.1E-10	1.6E-09
	9.9E-08	4.0E-08	2.0E-08	4.8E-08	5.1E-08	6.1E-08	6.5E-08	7.0E-08	7.0E-08	4.9E-08	5.3E-08	5.9E-08	5.5E-08	8.1E-08	1.4E-07	1.9E-07
	9.6E-08	4.0E-08	2.0E-08	4.9E-08	5.1E-08	6.1E-08	6.6E-08	7.1E-08	7.0E-08	4.9E-08	5.3E-08	5.9E-08	5.6E-08	8.1E-08	1.4E-07	1.9E-07
	8.3E-08	3.4E-08	2.0E-08	4.1E-08	4.3E-08	5.1E-08	5.5E-08	5.9E-08	5.6E-08	4.0E-08	4.5E-08	5.0E-08	4.7E-08	6.9E-08	1.1E-07	1.6E-07
	8.4E-08	3.5E-08	2.0E-08	4.1E-08	4.3E-08	5.1E-08	5.5E-08	5.9E-08	5.6E-08	4.0E-08	4.5E-09	5.0E-08	4.7E-08	6.7E-08	1.1E-07	1.6E-07
	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.	4023.
NEAREST RESIDENT																
	7.7E-08	7.1E-08	3.7E-08	6.4E-08	8.7E-08	1.4E-07	5.2E-08	4.1E-08	7.0E-08	5.0E-08	5.9E-08	4.8E-08	7.0E-08	4.7E-08	1.8E-07	1.7E-07
	6.4E-08	6.2E-08	3.2E-08	5.5E-08	7.5E-08	1.2E-07	4.3E-08	3.7E-08	5.9E-08	5.1E-08	4.1E-08	5.9E-08	3.9E-08	1.4E-07	3.7E-07	
	7.4E-10	7.6E-10	2.5E-10	5.2E-10	6.8E-10	1.4E-09	5.0E-10	3.7E-10	5.9E-10	4.0E-10	3.0E-10	4.2E-10	2.7E-10	1.1E-09	9.1E-10	4.5E-09
	8.6E-08	7.0E-08	3.7E-08	6.3E-08	8.7E-08	1.4E-07	5.1E-08	4.5E-08	7.0E-08	5.9E-08	5.9E-08	4.8E-08	6.9E-08	4.6E-08	1.8E-07	1.7E-07
	7.6E-08	7.1E-08	3.7E-08	6.4E-08	8.7E-08	1.4E-07	5.1E-08	4.6E-08	7.0E-08	5.9E-08	5.9E-08	4.8E-08	6.9E-08	4.6E-08	1.8E-07	1.7E-07
	6.2E-08	6.1E-08	3.2E-08	5.5E-08	7.4E-08	1.2E-07	4.2E-08	3.7E-08	5.9E-08	5.1E-08	4.1E-08	5.9E-08	3.9E-08	1.4E-07	3.7E-07	
	6.4E-08	6.2E-08	3.2E-08	5.5E-08	7.5E-08	1.2E-07	4.3E-08	3.7E-08	5.9E-08	5.1E-08	4.1E-08	5.9E-08	3.9E-08	1.4E-07	3.7E-07	
	4988.	2816.	3138.	2816.	2735.	2333.	4827.	5632.	4023.	3379.	4344.	3540.	4666.	2092.	3540.	2172.
NEAREST VEGETABLE																
	6.3E-08	5.3E-08	3.0E-08	6.4E-08	8.7E-08	1.4E-07	4.8E-08	4.6E-08	2.9E-08	4.1E-08	4.8E-08	7.0E-08	4.7E-08	1.6E-07	1.6E-07	4.2E-07
	5.2E-08	4.6E-08	2.6E-08	5.5E-08	7.5E-08	1.2E-07	4.0E-08	3.7E-08	2.4E-08	3.5E-08	4.1E-08	5.9E-08	3.9E-08	1.4E-07	3.7E-07	
	6.6E-10	5.3E-10	2.0E-10	5.2E-10	6.8E-10	1.4E-09	4.6E-10	3.7E-10	1.7E-10	1.7E-10	2.4E-10	3.0E-10	2.2E-10	1.7E-10	8.6E-10	4.5E-09
	6.2E-08	5.3E-08	3.0E-08	6.3E-08	8.7E-08	1.4E-07	4.8E-08	4.5E-08	2.9E-08	4.1E-08	4.8E-08	6.9E-08	4.6E-08	1.6E-07	1.6E-07	4.2E-07
	6.3E-08	5.3E-08	3.0E-08	6.4E-08	8.7E-08	1.4E-07	4.8E-08	4.6E-08	2.9E-08	4.1E-08	4.8E-08	6.9E-08	4.6E-08	1.6E-07	1.6E-07	4.2E-07
	5.2E-08	4.6E-08	2.6E-08	5.5E-08	7.4E-08	1.2E-07	4.0E-08	3.7E-08	2.4E-08	3.5E-08	4.1E-08	5.9E-08	3.9E-08	1.4E-07	3.7E-07	
	5.2E-08	4.6E-08	2.6E-08	5.5E-08	7.5E-08	1.2E-07	4.0E-08	3.7E-08	2.4E-08	3.5E-08	4.1E-08	5.9E-08	3.9E-08	1.4E-07	3.7E-07	
	5792.	3379.	3540.	2816.	2735.	2333.	5149.	5632.	7401.	4027.	4344.	3540.	4666.	2253.	3620.	2172.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 10.00 CALMS LOWER LEV - 1.10
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 8 - DISTANCE IN METERS

AFFECTED SECTORS

NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	N
NEAREST MEAT ANIMAL															
4.5E-07	2.1E-07	1.2E-07	9.3E-08	1.3E-07	1.7E-07	4.8E-08	5.0E-08	4.7E-08	8.1E-08	9.5E-08	9.8E-08	4.5E-08	8.9E-08	1.8E-07	5.6E-07
4.0E-07	1.8E-07	1.1E-07	8.2E-08	1.1E-07	1.5E-07	4.0E-08	4.1E-08	3.9E-08	7.1E-08	8.3E-08	8.4E-08	3.7E-08	7.4E-08	1.5E-07	4.9E-07
7.0E-09	3.0E-09	1.1E-09	8.6E-10	1.1E-09	1.8E-09	4.6E-10	4.1E-10	3.5E-10	6.1E-10	7.4E-10	6.4E-10	2.5E-10	4.5E-10	1.0E-09	6.4E-09
4.5E-07	2.0E-07	1.2E-07	9.3E-08	1.3E-07	1.7E-07	4.8E-08	4.9E-08	4.7E-08	8.0E-08	9.4E-08	9.7E-08	4.5E-08	8.8E-08	1.8E-07	5.6E-07
4.5E-07	2.0E-07	1.2E-07	9.3E-08	1.3E-07	1.7E-07	4.8E-08	5.0E-08	4.7E-08	8.1E-08	9.5E-08	9.7E-08	4.5E-08	8.8E-08	1.8E-07	5.6E-07
4.0E-07	1.8E-07	1.1E-07	8.2E-08	1.1E-07	1.5E-07	4.0E-08	4.1E-08	3.9E-08	7.1E-08	8.3E-08	8.4E-08	3.7E-08	7.4E-08	1.5E-07	4.7E-07
4.0E-07	1.8E-07	1.1E-07	8.2E-08	1.1E-07	1.5E-07	4.0E-08	4.1E-08	3.9E-08	7.1E-08	8.3E-08	8.4E-08	3.7E-08	7.4E-08	1.5E-07	4.9E-07
1207.	1207.	1207.	1931.	2011.	1931.	5149.	5310.	5310.	2574.	2414.	2735.	4827.	3701.	3219.	1770.
NEAREST DAIRY COW															
4.6E-08	3.2E-08		6.4E-08	1.3E-07	1.7E-07	3.6E-08				2.7E-08			6.0E-08	1.8E-07	
3.8E-08	2.7E-08		5.5E-08	1.1E-07	1.5E-07	2.9E-08				2.2E-08			4.8E-08	1.5E-07	
3.7E-10	2.6E-10	NONE	5.2E-10	1.1E-09	1.8E-09	3.1E-10	NONE	NONE	NONE	1.3E-10	NONE	NONE	2.5E-10	1.0E-09	NONE
4.6E-08	3.1E-08	IN	6.3E-08	1.3E-07	1.7E-07	3.6E-08	IN	IN	IN	2.6E-08	IN	IN	5.9E-08	1.8E-07	IN
4.6E-08	3.2E-08	THIS	6.4E-08	1.3E-07	1.7E-07	3.6E-08	THIS	THIS	THIS	2.7E-08	THIS	THIS	6.0E-08	1.8E-07	THIS
3.7E-08	2.7E-08	SECTOR	5.5E-08	1.1E-07	1.5E-07	2.9E-08	SECTOR	SECTOR	SECTOR	2.2E-08	SECTOR	SECTOR	4.8E-08	1.5E-07	SECTOR
3.8E-08	2.7E-08		5.5E-08	1.1E-07	1.5E-07	2.9E-08				2.2E-08			4.8E-08	1.5E-07	
7562.	4827.		2816.	2011.	1931.	6436.				7562.			5632.	3218.	
NEAREST PLANT BOUNDARY															
2.9E-07	1.1E-07	5.6E-08	9.3E-08	1.3E-07	1.9E-07	5.2E-08	5.0E-08	1.0E-07	8.5E-08	9.5E-08	9.2E-08	6.9E-08	7.9E-08	2.7E-07	5.7E-07
2.6E-07	9.6E-08	4.9E-08	8.2E-08	1.2E-07	1.6E-07	4.3E-08	4.1E-08	9.0E-08	7.5E-08	8.2E-08	7.9E-08	5.8E-08	6.5E-08	2.3E-07	5.0E-07
4.2E-09	1.3E-09	4.4E-10	8.6E-10	1.1E-09	2.0E-09	5.0E-10	4.1E-10	1.0E-09	6.5E-10	7.4E-10	5.9E-10	4.5E-10	3.8E-10	1.7E-09	6.5E-09
2.9E-07	1.1E-07	5.5E-08	9.3E-08	1.3E-07	1.9E-07	5.1E-08	4.9E-08	1.0E-07	8.5E-08	9.4E-08	9.1E-08	6.8E-08	7.8E-08	2.7E-07	5.7E-07
2.9E-07	1.1E-07	5.6E-08	9.3E-08	1.3E-07	1.9E-07	5.2E-08	5.0E-08	1.0E-07	8.5E-08	9.5E-08	9.2E-08	6.9E-08	7.9E-08	2.7E-07	5.7E-07
2.6E-07	9.6E-08	4.9E-08	8.2E-08	1.2E-07	1.6E-07	4.2E-08	4.1E-08	9.0E-08	7.5E-08	8.3E-08	7.9E-08	5.8E-08	6.5E-08	2.3E-07	5.0E-07
2.6E-07	9.6E-08	4.9E-08	8.2E-08	1.2E-07	1.6E-07	4.3E-08	4.1E-08	9.0E-08	7.5E-08	8.3E-08	7.9E-08	5.8E-08	6.5E-08	2.3E-07	5.0E-07
1704.	2076.	2365.	1931.	1931.	1866.	4827.	5310.	2767.	2478.	2414.	2880.	3379.	4183.	2349.	1739.

TOTAL OBS -26304 TOTAL INV OBS - 1747 CALMS UPPER LEVEL - 10.00 CALMS LOWER LEV - 1.10
KEY ENTRY 1 RELATIVE CONCENTRATION - XOQ (S/M**3) ENTRY 2 DEPLETED RELATIVE CONCENTRATION (S/M**3)
ENTRY 3 RELATIVE DEPOSITION RATE (1/M**2) ENTRY 4 DECAYED XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 5 DECAYED XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 6 DEC+DPL XOQ (S/M**3) - HALF LIFE 2.26 DAYS
ENTRY 7 DEC+DPL XOQ (S/M**3) - HALF LIFE 8.00 DAYS ENTRY 8 - DISTANCE IN METERS