



**ESE ENVIRONMENTAL SCIENCE  
AND ENGINEERING, INC.**

AIR QUALITY  
ANALYSIS FOR  
OSCEOLA FARMS  
BOILER NO. 6

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AIR QUALITY ANALYSIS

Current allowable emissions of particulate matter and theoretical emissions of SO<sub>2</sub>, CO, volatile organic compounds (VOC), and nitrogen oxides (NO<sub>x</sub>) are each greater than 250 tons per year; thus, the mill is classified as a major source under both federal (Table 1) and state criteria (40 CFR Part 52.21 and FAC 17-2). The new boiler will increase emissions of these pollutants by an amount greater than the rates defined as significant by EPA, shown in Table 2. Therefore, the addition of Boiler 6 is classified as a major modification and is subject to federal Prevention of Significant Deterioration (PSD) review for these three pollutants. The emission factors for NO<sub>x</sub>, CO, and hydrocarbons (HC) are taken from AP-42. The factor for HC does not specify VOC or total HC, all VOC was assumed as a worst-case estimate. Stack tests indicate that these emissions may be greatly overestimated. No emission factors for non-criteria pollutants are available for bagasse or residue consumption, and emissions of these pollutants have been assumed to be below the federal significant emission rates.

The components of the federal PSD review are:

1. Control technology review,
2. Source impact analysis,
3. Air quality analysis,
4. Source information, and
5. Additional impact analysis.

The source impact, air quality analysis, and additional impact analysis are discussed in this report.

The Osceola Sugar Mill is in Palm Beach County, a non-attainment area for ozone. Since volatile organic compound (VOC) emissions theoretically exceed the non-attainment emission rate of 50 tons/year, non-attainment review and control to achieve "lowest achievable emission rate" (LAER) is required for that pollutant. The proposed LAER is good boiler design and proper operation.

Table 1. Maximum Annual Emissions of Criteria Pollutants

Boiler	Steam Production Rate (lb/hr)	Average Bagasse Consumption (dry tons/hr)	Average Fuel Oil Consumption (gal/hr)	Heat Input † (10 <sup>6</sup> Btu/hr)	Annual Emissions (tons/yr)*				
					PM	SO <sub>2</sub>	NO <sub>x</sub>	CO	HC
#1	46,800	5.6	—	89.6	59.0	49.7	33.0	45.1	45.1
#2	125,000	14.9	20	241	157	146	90.6	119	119
#3	67,000	8.0	—	127	84.3	68.8	47.0	64.0	64.0
#4	100,000	11.9	20	193	126	120	72.8	95.7	95.7
#5	125,000	14.9	20	241	105	146	90.6	119	119
#6	150,000	17.9	20	289	126	173	108	144	144
Total 1 through 5					531	531	335	443	443
Total 2 through 6					698	655	409	542	542
Potential Increase					67	124	74	99	99

Note: PM and SO<sub>2</sub> emissions based on Table 4. SO<sub>2</sub> emissions are based on total conversion of sulfur in bagasse to SO<sub>2</sub>. Stack tests have indicated this method substantially overestimates emissions.

NO<sub>x</sub>: 1.2 lb/ton wet bagasse; 2.67 lb/ton dry bagasse; 60 lb/10<sup>3</sup> gal fuel oil.

CO: 5 lb/10<sup>3</sup> gal fuel oil.

HC: 2 lb/ton wet bagasse; 3.64 lb/ton dry bagasse; 1 lb/10<sup>3</sup> gal fuel oil.

CO: 2 lb/ton wet bagasse; 4.44 lb/ton dry bagasse.

No basis or reference is provided in AP-42 for emission factors for HC, CO, or NO<sub>x</sub>.

These emissions are believed to be greatly overestimated and are included here only to provide a worst-case estimate.

\* Based on 184 day crop season.

† Bagasse burning efficiency equals 55 percent; fuel oil burning efficiency equals 80 percent.

Table 2. Significant Emission Rates as Defined by EPA

Pollutant	Significant Emission Rate (tons per year)
Carbon Monoxide	100
Nitrogen Dioxide	40
Total Suspended Particulates	25
Sulfur Dioxide	40
Ozone (volatile organic compounds)	40
Lead	0.6
Mercury	0.1
Beryllium	0.0004
Asbestos	0.007
Fluorides	3
Sulfuric Acid Mist	7
Vinyl Chloride	1
Total Reduced Sulfur	10
Hydrogen Sulfide	10
Reduced Sulfur Compounds	10
Inorganic Arsenic	0
Radionuclides	0
Benzene	0
Ethylene Dichloride	0
Polyvinyl Chloride	0

Source: Federal Register, Vol. 45, No. 154, 1980.

5/30/81

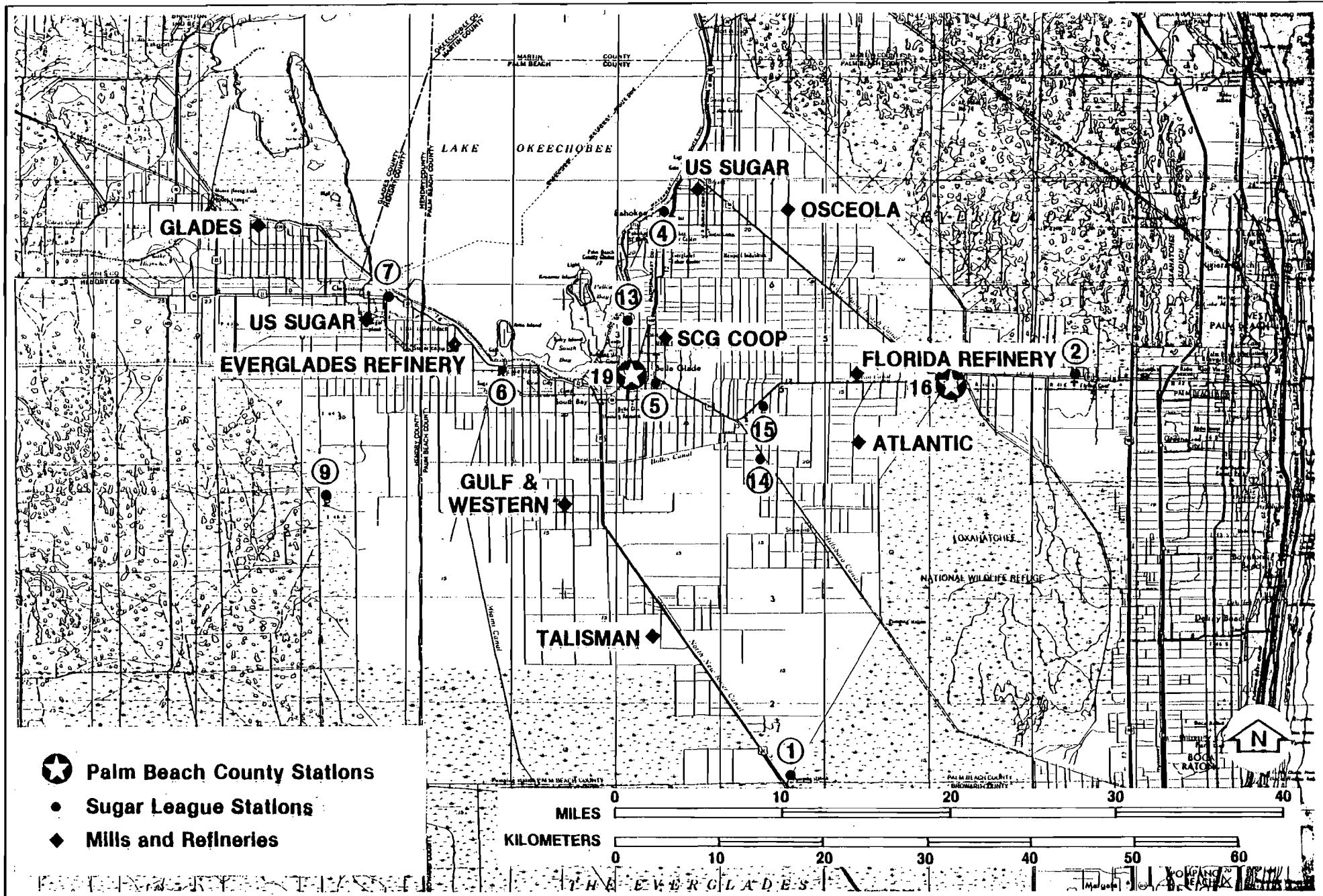
No sulfur dioxide or particulate matter non-attainment areas are within 100 kilometers (km) of the site. The nearest Class I area is the Everglades National Park, approximately 115 km south of the plant. Since no Class I areas are within 100 km of the plant, analysis is limited to a discussion of impacts on visibility.

#### MONITORING DATA

The Clean Air Act Amendments of August 1977 require that the owner of any proposed major air pollution source conduct ambient air monitoring for applicable pollutants for a period of 1 year prior to submission of a construction permit application. The use of existing representative data may be permitted in lieu of monitoring, provided the data meet EPA PSD monitoring criteria. Assuming this application is complete before June 8, 1981, the monitoring provisions of the 1978 PSD regulations will apply. Under these regulations, monitoring was required only for criteria pollutants for which the source was major or for a major modification. A major modification was defined as an increase in emissions from a new facility within the source of either 100 tons per year (if one of the 28 listed source categories) or 250 tons per year. Under the 1978 PSD definitions, the proposed modification would not be subject to ambient monitoring. Total suspended particulate (TSP) data were analyzed, however, to determine background concentrations.

#### Total Suspended Particulate (TSP)

The Florida Sugar Cane League (FSCL) and Palm Beach County (PBC) maintain a network of high volume ambient air monitors in the sugar-producing area of the state. The monitoring is conducted on a 6-day cycle using the EPA reference method (40 CFR Part 50 App. B). Figure 1 shows the monitor locations in the vicinity of the Osceola Sugar Mill, and four additional monitors considered appropriate for determination of a background concentration value. Table 3 summarizes the most recent data available from the monitors. No violations of the



SOURCES: FLORIDA SUGAR CANE LEAGUE  
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Figure 4. REGIONAL HI-VOL MONITORS

Table 3. Summary of 1980 Ambient TSP Monitoring Data (24-Hour Average, ug/m<sup>3</sup>)

Station*	Number of Observations	Maximum	Second Maximum	Arithmetic Mean	Geometric Mean	Geometric Standard Deviation	Correlation Coefficient	84th Percentile†
SL-1	54	103	79	46	42	1.50	0.979	64
SL-2	57	78	68	30	27	1.55	0.989	42**
SL-4	60	110	89	54	50	1.42	0.983	72
SL-5	58	107	107	64	60	1.40	0.978	85
SL-6	60	115	100	43	39	1.56	0.995	61
SL-7	53	102	83	45	42	1.44	0.968	61
SL-9	56	49	44	24	23	1.45	0.992	32**
SL-13	57	106	92	36	32	1.66	0.969	53
SL-14	60	102	100	40	35	1.65	0.993	58
SL-15	51	105	90	47	43	1.51	0.990	65
PB-16	60	68	67	34	32	1.44	--††	46**
PB-19	61	110	96	59	57	1.34	--††	76

\* SL = Sugar League Data

PB = Palm Beach County Data.

† C.84 = M Sg (1-0.5 ln Sg)

C.84 = 84th percentile concentration

M = arithmetic mean

Sg = geometric standard deviation (Larson, 1971).

\*\* Background station.

†† Not available from annual report.

Source: ESE, 1981.

150- $\mu\text{g}/\text{m}^3$  24-hour or 60- $\mu\text{g}/\text{m}^3$  annual geometric mean standards for TSP have been observed during 1980.

For each station, the concentration of one (1) standard deviation above the geometric mean was calculated. For lognormally distributed data, 84 percent of the observed values are below this value. Correlation coefficients for a lognormal fit of the FSCL data are all above 0.990, indicating a very close approximation of the lognormal distribution. Correlations are not available for PBC stations. Stations 1, 2, 9 and PB16 are greater than 10 km from any point source, yet they are affected by the same meteorology as the proposed source. As such, they are considered regional monitors, and a statistical analysis of their data was performed to establish a background concentration.

Construction on U.S. Highway 27 near Station 1 began in January 1980 and clearly influenced results at that station during that year. The average 84th-percentile value among the remaining three stations was 40  $\mu\text{g}/\text{m}^3$ , which was taken to be a conservative short-term background concentration. The probability of the 84th-percentile or higher concentration occurring in combination with meteorological conditions causing highest, second-highest 24-hour point source impacts is less than once in 15 years.

#### AIR QUALITY IMPACTS

##### Emissions Inventory

The area within 50 km of Osceola Sugar Mill was inventoried for point sources of particulate and  $\text{SO}_2$  emissions. The basis for this inventory was the 1980 Air Permit Inventory System (APIS). Construction permits submitted during 1981 were also accounted for and the maximum allowable emission rates were used.

The inventory includes all the mills and both refineries in Palm Beach and Hendry Counties, two point sources in Belle Glade, and Florida Power & Light Riviera and Lake Worth Utilities generating stations.

Dispersion Models and Meteorology

Both short-term (24-hour) and long-term (crop-season) impacts were predicted with the Industrial Source Complex (ISC) model, an EPA-approved Gaussian dispersion model, using rural dispersion characteristics.

Five years (1970 to 1974) of historical surface meteorological data recorded at West Palm Beach Airport were input to the model. Upper atmosphere observations were recorded at Miami for the same time period. To reflect the seasonal operation of the plant, only data for the period from October 15 through March 15 were modeled.

Air Quality Impact

Initial modeling with 5 years of meteorological data was performed for emissions from Osceola Sugar Mill only. The critical meteorology and approximate location of highest, second-highest concentrations were determined with a radial receptor grid covering 36 directions, every 200 meters from the plant center. The impact determination was refined with a 1-km square grid of receptors at 100-meter intervals. All significant surrounding sources were included in this refined analysis.

The stack parameters used for modeling are shown in Table 4. Calculation of flow rates and pollutant emission rates are found in Appendices A and B. Stack tests indicated that Boilers 2 and 3 have significantly higher flow rates than calculated. Values from the latest stack test on these boilers were used in the modeling.

Results of this analysis are given in Table 5. The sum of projected highest, second-highest impacts and background concentrations are 146 ug/m<sup>3</sup> for Boilers 1 through 5 and 149 ug/m<sup>3</sup> for Boilers 2 through 6 on a 24-hour basis. These values are below the Florida Ambient Air

Table 4. Stack Emission Parameters

Boiler	Modeled Capacity (lb steam/hr)	Average Fuel Oil Consumption (gal/hr)	Allowable PM Emissions (lb/ $10^6$ Btu)	Worst-Case* PM Emission Rate (lb/hr)	Scrubbed Gas Flow Rate ( $10^3$ ACFM)	SO <sub>2</sub> Emissions† (lb/hr)
#1	46,800	—	0.3	26.7	34.7	22.5
#2	125,000	20	0.3	71.3	109**	66.3
#3	67,000	—	0.3	38.1	73.3**	32.1
#4	100,000	20	0.3	57.0	74.3	54.3
#5	125,000	20	0.2	47.5	92.9	66.3
#6	150,000	20	0.2	57.0	111	78.3

\* When total heat input is from bagasse.

† Theoretical basis; 0.1-percent dry sulfur; no loss in bottom ash or scrubber included.

\*\* Stack tests indicate this boiler has significantly higher flow rate than calculated.

This figure represents the latest measured flow rate.

Source: ESE, 1981.

Table 5. Highest, Second-Highest Ground-Level Concentrations  
( $\mu\text{g}/\text{m}^3$ )--Proposed Osceola Sugar Mill Expansion

	TSP	
	24-hr	184-day
Existing Plant + background	106*	13
	+ 40	
	<u>146</u>	
Proposed Modifica- tion + background	109†	12
	+ 40	
	<u>149</u>	
New Source	18	--

\* Day 295/1974, Direction 240°, Distance 600 m.

† Day 285/1974, Direction 240°, Distance 800 m.

Source: ESE, 1981.

Quality Standard (AAQS) of 150 ug/m<sup>3</sup> (Table 6). Addition of Boiler 6 on the proposed operating schedule does not result in a significant net air quality impact (10 ug/m<sup>3</sup> 24-hour) as defined in 40 CFR Part 52.

The possibility of interaction with surrounding sources to produce higher concentrations was investigated. Critical meteorology in directions aligning the nearest sources was determined. Concentrations along this radial with the selected meteorological conditions were determined for operation of Boilers 2 through 5. Table 7 gives the results of this investigation, which show that no source interactions occur which produce concentrations more than 7 ug/m<sup>3</sup> higher than those due to Osceola alone in the interacting direction. No concentrations above AAQS are projected.

The projected arithmetic average concentrations due to Osceola Sugar Mill emissions after plant modification over the 184-day modeling period are 18 ug/m<sup>3</sup> compared to the annual AAQS of 60 ug/m<sup>3</sup> geometric mean. Thus, the actual annual average will be some fraction of these 184-day averages. Since no violations of the annual standards were detected in 1980 at any monitoring site and the proposed construction will not result in a significant net air quality impact, no long-term analysis was performed with the area-wide inventory.

Tables 1 and 4 show that theoretical SO<sub>2</sub> emissions are less than allowable particulate matter (PM) emissions from Boilers 1 through 4, and that they are approximately 40-percent greater than allowable PM emissions from Boilers 5 and 6. Stack tests have indicated that SO<sub>2</sub> emissions from bagasse combustion are 60 percent or less than theoretical. Since the Florida 24-hour standard for SO<sub>2</sub> is 260 ug/m<sup>3</sup>, (173 percent of the TSP standard), TSP modeling results were considered sufficient to demonstrate compliance with the 24-hour SO<sub>2</sub> standard. Experience with West Palm Beach meteorological data

Table 6. National and State of Florida Ambient Air Quality Standards

Pollutant	Averaging Time	National		
		Primary Standard	Secondary Standard	Florida
Suspended Particulate Matter	Annual Geometric Mean	75 ug/m <sup>3</sup>	60 ug/m <sup>3</sup>	60 ug/m <sup>3</sup>
	24-Hour Maximum*	260 ug/m <sup>3</sup>	150 ug/m <sup>3</sup>	150 ug/m <sup>3</sup>
Sulfur Dioxide	Annual Arithmetic Mean	80 ug/m <sup>3</sup>	NAT	60 ug/m <sup>3</sup>
	24-Hour Maximum*	365 ug/m <sup>3</sup>	NAT	260 ug/m <sup>3</sup>
	3-Hour Maximum*	NAT	1,300 ug/m <sup>3</sup>	1,300 ug/m <sup>3</sup>
Carbon Monoxide	8-Hour Maximum*	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
	1-Hour Maximum*	40 mg/m <sup>3</sup>	40 mg/m <sup>3</sup>	40 mg/m <sup>3</sup>
Hydrocarbons	3-Hour Maximum* (6 to 9 A.M.)	160 ug/m <sup>3</sup>	160 ug/m <sup>3</sup>	160 ug/m <sup>3</sup>
Nitrogen Dioxide	Annual Arithmetic Mean	100 ug/m <sup>3</sup>	100 ug/m <sup>3</sup>	100 ug/m <sup>3</sup>
Ozone	1-Hour Maximum*	235 ug/m <sup>3</sup>	235 ug/m <sup>3</sup>	160 ug/m <sup>3</sup>
Lead	Calendar Quarter Arithmetic Mean	1.5 ug/m <sup>3</sup>	1.5 ug/m <sup>3</sup>	NAT

\* Maximum concentration not to be exceeded more than once per year.

† No standard exists.

Sources: 40 CFR Part 50, 1980.

FAC Chapter 17-2.

Table 7. Highest, Second-Highest 24-Hour Ground-Level Concentrations (ug/m<sup>3</sup>) In Directions of Interaction with Nearby Sources

Interacting Source	Direction	Day/Year	Impact of Osceola*	Impact with Interacting Sources*
<u>TSP</u>				
U.S. Sugar, Bryant	95°	50/72	87	94
Atlantic	340°	47/70	107	113
Talisman	15°	39/71	77	81
SCGC and Gulf & Western	30°	85/72	71	74
U.S. Sugar, Clewiston	75°	75/74	87	92

\* Includes background of 40 ug/m<sup>3</sup> TSP.

Source: ESE, 1981.

has shown that, of the 24-hour, 3-hour, and annual standards, the 24-hour SO<sub>2</sub> standard is critical.

This discussion demonstrates that construction of the new boiler, in conjunction with the plant operating strategy described, will not cause or contribute to violations of any federal or State of Florida Ambient Air Quality Standard.

#### INCREMENT CONSUMPTION

Both federal and state PSD regulations require a demonstration that a proposed source will not cause or contribute to increases in ambient concentrations of TSP or SO<sub>2</sub> greater than a specified amount over a baseline concentration. Since 1974, the baseline year established by Florida DER, the only modification at the Osceola mill has been the installation of Boiler 5 which was demonstrated to comply with increment standards. Table 5 and the appended computer printouts in Appendix C show that the proposed project would not result in a significant net air quality impact. This means that regardless of increment consuming activity by any surrounding source, this project would not cause or contribute to violation of any increment standard. Thus, no formal baseline was established and no explicit increment consumption analysis was performed.

#### ADDITIONAL IMPACTS ANALYSIS

##### IMPACTS ON SOILS AND VEGETATION

Impacts on soils and vegetation due to operation of the proposed sources are expected to be minor. Particulate matter is generally considered to have a relatively unimportant effect on vegetation (Jacobson and Hill, 1970). Particulate matter generated by this source is largely ash from burning the same vegetation which would be impacted. Emitted particulate will be mostly suspended and will deposit on vegetation primarily through plume impaction.

Effects of SO<sub>2</sub>, NO<sub>2</sub>, and particulate matter emissions on soils are expected to be negligible. Acid rain effects in the area are generally unknown, due to a lack of data for the region (Florida Sulfur

Oxides Study, Inc., 1978). The potential for long-range pollutant transport or significant acid rain effects from the proposed source is considered to be very low.

#### VISIBILITY IMPACTS

A Level I visibility screening analysis (EPA, 1980) confirmed that no visibility impairment should occur in the Class I area. The absolute values of the three Level I contrast parameters (C1--plume contrast against the sky; C2--plume contrast against terrain; and C3--change in the sky/terrain contrast caused by primary and secondary aerosol) are well below 0.10. Thus, it is highly unlikely that the emissions source would cause adverse visibility impairment in Class I areas.

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U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. 1978c. Guidelines for Determining Best Available Control Technology (BACT).

Appendix A--Combustion Calculation for Bagasse

Ultimate Analysis lb/100 lb Fuel			Moles per 100 lb Wet Fuel	Required for Combustion Moles/100 lb Fuel at 100 Percent O <sub>2</sub> Dry Air	
C	21.8	±12	= 1.82 x 1.0/4.76	= 1.82	8.66
H <sub>2</sub>	2.8	±2.02	= 1.39 x 0.5/2.38	= 0.70	3.31
O <sub>2</sub>	20.4	±32	= 0.64 --	= 0	0
N <sub>2</sub>	0.1	±28	= 0.0 --	= 0	0
S	<0.1	±32	= 0.0 x 1.0/4.76	= 0	0
H <sub>2</sub> O	54.5	±18	= 3.03 --		
Ash	0.3				
	100.0		6.88	2.52	11.97
Less O <sub>2</sub> in fuel 0.64 x 4.76 = 3.05 mol air/0.19 mol O <sub>2</sub>				-0.64 1.88	-3.05 8.95

Required for Combustion Moles/100 lb Fuel		
O <sub>2</sub>	Air	
2.82	13.43 (50% xs)	
xs Air = 13.43 - 8.95	--	--
xs O <sub>2</sub> = 2.82 - 1.88	--	--

Moles H<sub>2</sub>O in air (13.43 x 29 x 0.013) / 18 = 0.28  
(0.013 lb H<sub>2</sub>O/lb dry air; 18 lb/mole H<sub>2</sub>O)

<u>Products of Combustion</u>			Moles/100 lb Wet Fuel
CO <sub>2</sub>	1.82	x 1	1.82
H <sub>2</sub> O	1.39	x 1 + 3.03 + 0.28	4.66
SO <sub>2</sub>	0.0		0.0
N <sub>2</sub>	13.43	x 0.79	10.61
O <sub>2</sub>	xs		0.94
			18.03 --> 13.37 mol dry gas per 100 lb wet fuel

Moles H<sub>2</sub>O in saturated air at 155°F = 0.40 mol/mol air  
(0.25 lb/lb air)

Appendix B--Exit Gas Calculation

Mole Dry Gas	0.40 mol (160°F)	Lb Mol Gas Leaving Scrubber @ 155°F
Per 100 lb Wet Fuel	+ Per Mol Dry Air	= per 100 lb Wet Fuel

13.4	5.35	18.7
------	------	------

$$R = 1545.3 \text{ ft}^2 \text{ lbf}/^\circ\text{R-lb mole}$$

$$@ 155^\circ\text{F} = 615^\circ\text{R} \quad 14.7 \text{ psi} = 2,116.8 \text{ lbf/ft}^2$$

$$V = \frac{n RT}{P}$$

$$\frac{1545.3 \text{ ft}^2 \text{ lbf} \times 615^\circ\text{R}}{\text{R-lb mole}} \\ \text{ft}^3 = \text{N lb mole} \quad \frac{2116.8 \text{ lbf/ft}^2}{}$$

$$V = 449.0 \text{ n ft}^3$$

$$18.7 \times 449.0 = 8,405 \text{ ft}^3/100 \text{ lb wet fuel} \quad (55\% \text{ moisture})$$

$$1,000 \text{ lb steam} \times \frac{1,050 \text{ Btu}}{1 \text{ lb steam}} \times \frac{1}{0.55} \times \frac{1 \text{ lb dry bagasse}}{8,000 \text{ Btu}} = \frac{239 \text{ lb dry bagasse}}{1,000 \text{ lb steam}}$$

For each 1,000 lb steam:    0.38 lb PM @ 0.2 lb/ $10^6$  Btu  
                               0.57 lb PM @ 0.3 lb/ $10^6$  Btu  
                               0.48 lb SO<sub>2</sub> theoretical basis  
                               44,577 ACFM exit gas

Source: ESE, 1981.

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300 \*\*\*

CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 4
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 1
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION) WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 0
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT *N*-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 1
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 0
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 1
MAXIMUM SD TABLES (YES=1,NO=0)	ISW(18) = 1
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 6
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 3
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 5
NUMBER OF Y (THETA) GRID VALUES	NYPNTS = 36
NUMBER OF DISCRETE RECEPATORS	NXWYPT = 0
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK = .10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 = 0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 = 0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION DECAY	= 0.000000E+00
SURFACE STATION NO.	ISS = 12844
YEAR OF SURFACE DATA	ISY = 70
UPPER AIR STATION NO.	IUS = 12839
YEAR OF UPPER AIR DATA	IUY = 70
ALLOCATED DATA STORAGE	LIMIT = 43500 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MINIT = 5534 WORDS

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\*\*\* METEOROLOGICAL DAYS TO BE PROCESSED \*\*\*  
(IF=1)

111111111111 111111111111 111111111111 111111111111 111111111111  
111111111111 111111111111 111111111111 111111111111 100000000000  
000000000000 000000000000 000000000000 000000000000 000000000000  
000000000000 000000000000 000000000000 000000000000 000000000000  
000000000000 000000000000 000000000000 000000000000 000000000000  
000000000000 000000000000 000000000000 000000000000 000000000000  
000000000000 000000000000 000111111111 111111111111 111111111111  
111111111111 111111111111 111111111111 111111111111 111111111111

\*\*\* NUMBER OF SOURCE NUMBERS REQUIRED TO DEFINE SOURCE GROUPS \*\*\*  
(NSOGRP)

2, 2, 1,

\*\*\* SOURCE NUMBERS DEFINING SOURCE GROUPS \*\*\*  
(IDSOR)

1, -5, 2, -6, 6

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES \*\*\*  
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

## \*\*\* WIND PROFILE EXPONENTS \*\*\*

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\*\*\* VERTICAL POTENTIAL TEMPERATURE GRADIENTS \*\*\*  
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY					
	1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

\*\*\* RANGES OF POLAR GRID SYSTEM \*\*\*  
(METERS)

600., 800., 1000., 1200., 1400.,

\*\*\* RADIAL ANGLES OF POLAR GRID SYSTEM \*\*\*

(DEGREES)

10.,	20.,	30.,	40.,	50.,	60.,	70.,	80.,	90.,	100.,
110.,	120.,	130.,	140.,	150.,	160.,	170.,	180.,	190.,	200.,
210.,	220.,	230.,	240.,	250.,	260.,	270.,	280.,	290.,	300.,
310.,	320.,	330.,	340.,	350.,	360.,				

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\*\*\*

SOURCE #	1---BOILER #1	ONE STACK	46,800
SOURCE #	2---BOILER #2	TWO STACKS	125,000
SOURCE #	3---BOILER #3	ONE STACK	67,000
SOURCE #	4---BOILER #4	ONE STACK	100,000
SOURCE #	5---BOILER #5	TWO STACKS	125,000
SOURCE #	6---BOILER #6	ONE STACK	150,000

\*\*\* SOURCE DATA \*\*\*

EMISSION RATE TYPE=0,1				TEMP. TYPE=0 (DEG,K)				EXIT VEL, TYPE=0 (M/S)				BLDG.		
T	W	(G/S)		BASE	VERT,DIM.	HORZ,DIM.	DIAM.	HEIGHT	LENGTH	WIDTH	BLDG.	BLDG.	BLDG.	
Y	A	NUMBER	TYPE=2	X	ELEV,	HEIGHT	TYPE=1	TYPE=1,2	TYPE=0	TYPE=0	TYPE=0	TYPE=0	TYPE=0	
SOURCE	P	K	PART,	(G/S)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	
NUMBER	E	F	CATS,	APER	M#2	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	
1	0	0	0	3.360	0.	50. 0.0	22.00	342.0	8.98	1.52	0.00	0.00	0.00	
2	0	0	0	9.000	0.	25. 0.0	22.00	342.0	14.22	1.52	0.00	0.00	0.00	
3	0	0	0	4.810	0.	0. 0.0	22.00	342.0	11.23	1.98	0.00	0.00	0.00	
4	0	0	0	7.200	0.	-25. 0.0	22.00	342.0	13.35	1.83	0.00	0.00	0.00	
5	0	0	0	6.000	0.	-50. 0.0	22.00	342.0	12.02	1.52	0.00	0.00	0.00	
6	0	0	0	7.200	0.	-75. 0.0	22.00	342.0	14.41	2.16	0.00	0.00	0.00	

INT-DAY  
183 DAYS  
SGROUP# 1  
YEAR 1970  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* FROM SOURCES: 1, -5,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 11.6 AND OCCURRED AT ( 800.0, 250.0 ) \*

DIRECTION / RANGE (METERS)  
(DEGREES) / 600.0 800.0 1000.0 1200.0 1400.0

360.0 /	2.2	2.6	2.7	2.6	2.5
350.0 /	2.6	2.9	2.8	2.5	2.3
340.0 /	4.3	4.8	4.5	4.1	3.7
330.0 /	3.8	4.0	3.8	3.3	3.0
320.0 /	5.6	6.0	5.6	5.0	4.4
310.0 /	5.6	6.0	5.6	5.1	4.5
300.0 /	5.0	5.3	4.9	4.4	3.9
290.0 /	5.1	5.4	5.1	4.5	4.0
280.0 /	5.3	5.2	4.7	4.0	3.5
270.0 /	8.2	8.6	7.9	7.0	6.1
260.0 /	10.6	11.0	10.0	8.7	7.6
250.0 /	10.8	11.6	10.8	9.5	8.4
240.0 /	7.0	7.2	6.5	5.6	4.9
230.0 /	5.9	6.1	5.5	4.8	4.2
220.0 /	4.2	4.1	3.7	3.2	2.8
210.0 /	2.6	2.5	2.2	1.8	1.6
200.0 /	1.9	1.9	1.7	1.5	1.3
190.0 /	2.0	2.1	2.0	1.8	1.6
180.0 /	2.9	3.0	2.8	2.5	2.2
170.0 /	3.8	4.0	3.7	3.3	2.9
160.0 /	5.0	5.4	5.1	4.6	4.1
150.0 /	5.4	6.0	5.7	5.2	4.7
140.0 /	6.8	7.7	7.5	6.8	6.2
130.0 /	7.1	7.8	7.5	6.8	6.2
120.0 /	5.9	6.2	5.9	5.3	4.8
110.0 /	5.0	5.5	5.2	4.8	4.3
100.0 /	3.0	3.2	3.1	2.8	2.6
90.0 /	2.1	2.5	2.6	2.5	2.4
80.0 /	1.8	1.9	1.8	1.7	1.6
70.0 /	2.3	2.4	2.3	2.2	2.0
60.0 /	3.0	3.2	3.0	2.8	2.5
50.0 /	2.6	2.7	2.6	2.3	2.1
40.0 /	2.0	2.1	2.0	1.8	1.6
30.0 /	1.3	1.4	1.3	1.2	1.0
20.0 /	1.3	1.5	1.5	1.4	1.3
10.0 /	1.6	1.8	1.7	1.6	1.4

INT-DAY  
183 DAYS  
SCROUPE 1  
YEAR 1971

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300 \*\*\*

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 1, -5,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 12.7 AND OCCURRED AT ( 800.0, 260.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0	RANGE (METERS)
----------------------------	-------	-------	--------	--------	--------	----------------

360.0 /	1.8	2.1	2.2	2.2	2.1	
350.0 /	3.3	3.8	3.7	3.4	3.2	
340.0 /	4.7	5.2	5.0	4.5	4.0	
330.0 /	6.0	6.4	6.0	5.4	4.9	
320.0 /	7.3	8.0	7.5	6.7	6.0	
310.0 /	7.0	7.6	7.2	6.4	5.8	
300.0 /	6.0	6.2	5.7	5.1	4.6	
290.0 /	6.3	6.5	6.1	5.5	4.9	
280.0 /	7.9	8.0	7.4	6.5	5.7	
270.0 /	10.0	10.2	9.3	8.2	7.2	
260.0 /	12.4	12.7	11.5	10.0	8.7	
250.0 /	11.5	11.7	10.4	8.9	7.7	
240.0 /	8.1	8.3	7.5	6.5	5.7	
230.0 /	4.4	4.3	3.9	3.3	2.9	
220.0 /	2.9	2.9	2.6	2.3	2.0	
210.0 /	2.0	2.2	2.0	1.8	1.6	
200.0 /	1.6	1.6	1.5	1.3	1.1	
190.0 /	2.0	2.0	1.8	1.5	1.3	
180.0 /	2.6	2.8	2.7	2.5	2.3	
170.0 /	2.8	2.9	2.8	2.5	2.3	
160.0 /	2.4	2.6	2.5	2.4	2.2	
150.0 /	2.8	3.1	3.1	3.0	2.8	
140.0 /	4.5	5.2	5.3	5.0	4.7	
130.0 /	5.0	5.7	5.7	5.3	4.9	
120.0 /	3.8	4.2	4.1	3.8	3.5	
110.0 /	2.7	3.0	3.0	2.8	2.6	
100.0 /	1.8	1.9	1.9	1.7	1.6	
90.0 /	1.8	1.9	1.9	1.8	1.7	
80.0 /	1.9	1.9	1.8	1.6	1.5	
70.0 /	2.1	2.1	1.9	1.6	1.4	
60.0 /	2.0	2.0	1.9	1.7	1.6	
50.0 /	1.9	2.1	2.1	2.0	1.9	
40.0 /	1.6	1.8	1.7	1.6	1.5	
30.0 /	1.6	1.7	1.6	1.5	1.3	
20.0 /	1.5	1.8	1.8	1.7	1.6	
10.0 /	1.4	1.6	1.7	1.6	1.5	

ONE-DAY  
184 DAYS  
SGROUP# 1  
YEAR 1972

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300 \*\*\*

\* 184-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 1, -5,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 11.3 AND OCCURRED AT ( 800.0, 270.0 ) \*

DIRECTION / RANGE (METERS)  
(DEGREES) / 600.0 800.0 1000.0 1200.0 1400.0

360.0 /	3.5	4.0	4.0	3.7	3.5
350.0 /	3.4	3.7	3.6	3.2	3.0
340.0 /	4.5	4.9	4.6	4.1	3.7
330.0 /	5.6	5.9	5.4	4.8	4.3
320.0 /	5.9	6.1	5.6	5.0	4.4
310.0 /	7.0	7.1	6.5	5.8	5.2
300.0 /	7.5	7.6	6.9	6.1	5.4
290.0 /	8.2	8.8	8.3	7.4	6.6
280.0 /	8.6	9.0	8.3	7.3	6.5
270.0 /	10.5	11.3	10.6	9.4	8.3
260.0 /	10.3	11.0	10.3	9.1	8.0
250.0 /	8.5	8.9	8.2	7.2	6.4
240.0 /	7.5	7.6	6.9	6.0	5.2
230.0 /	6.9	7.0	6.4	5.5	4.8
220.0 /	4.0	3.9	3.4	2.9	2.4
210.0 /	2.5	2.6	2.3	2.0	1.7
200.0 /	1.7	1.8	1.6	1.4	1.2
190.0 /	1.6	1.6	1.5	1.3	1.1
180.0 /	2.3	2.4	2.2	1.9	1.7
170.0 /	3.2	3.4	3.2	2.9	2.6
160.0 /	3.7	4.1	3.9	3.5	3.2
150.0 /	3.4	3.5	3.2	2.8	2.5
140.0 /	4.8	5.2	5.0	4.5	4.0
130.0 /	4.2	4.5	4.3	3.9	3.6
120.0 /	3.9	4.4	4.3	4.0	3.6
110.0 /	3.4	3.8	3.7	3.4	3.1
100.0 /	2.5	2.7	2.5	2.3	2.2
90.0 /	1.9	2.0	1.9	1.8	1.7
80.0 /	1.6	1.7	1.7	1.5	1.5
70.0 /	1.7	2.0	2.0	1.9	1.8
60.0 /	2.2	2.3	2.3	2.1	2.0
50.0 /	2.8	3.0	2.9	2.6	2.4
40.0 /	3.0	3.3	3.3	3.0	2.8
30.0 /	2.3	2.5	2.5	2.3	2.1
20.0 /	2.3	2.7	2.8	2.6	2.5
10.0 /	2.2	2.6	2.6	2.4	2.2

1 IN-DAY  
183 DAYS  
SGROUP# 1  
YEAR 1973  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* FROM SOURCES: 1, 75,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 11.5 AND OCCURRED AT ( 800.0, 250.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0	RANGE (METERS)
360.0 /	2.0	2.2	2.1	1.9	1.8	
350.0 /	3.0	3.2	3.1	2.8	2.5	
340.0 /	4.1	4.4	4.2	3.8	3.5	
330.0 /	5.9	6.1	5.6	4.9	4.3	
320.0 /	9.2	9.6	8.9	7.8	6.9	
310.0 /	9.0	9.4	8.6	7.6	6.8	
300.0 /	8.8	9.4	8.7	7.8	6.9	
290.0 /	7.5	7.8	7.2	6.4	5.7	
280.0 /	7.5	7.5	6.8	6.0	5.3	
270.0 /	9.5	10.2	9.5	8.5	7.5	
260.0 /	10.5	11.0	10.0	8.7	7.6	
250.0 /	11.0	11.5	10.5	9.2	8.0	
240.0 /	8.2	8.6	7.8	6.8	6.0	
230.0 /	5.0	5.1	4.7	4.1	3.6	
220.0 /	4.9	5.0	4.5	3.9	3.4	
210.0 /	3.1	3.1	2.7	2.3	2.0	
200.0 /	1.8	1.9	1.7	1.5	1.3	
190.0 /	1.7	1.8	1.6	1.4	1.2	
180.0 /	2.7	2.9	2.8	2.5	2.2	
170.0 /	2.8	3.1	3.0	2.7	2.5	
160.0 /	3.4	3.9	4.0	3.7	3.5	
150.0 /	4.1	4.8	4.8	4.4	4.1	
140.0 /	5.3	6.0	6.0	5.6	5.1	
130.0 /	5.5	6.2	6.3	6.0	5.7	
120.0 /	4.9	5.6	5.5	5.1	4.7	
110.0 /	3.8	4.2	4.2	3.9	3.6	
100.0 /	2.4	2.6	2.6	2.4	2.3	
90.0 /	1.9	2.0	2.0	1.9	1.8	
80.0 /	1.5	1.5	1.4	1.3	1.2	
70.0 /	1.4	1.5	1.5	1.4	1.3	
60.0 /	1.4	1.4	1.3	1.1	1.0	
50.0 /	1.4	1.5	1.4	1.3	1.2	
40.0 /	1.1	1.3	1.3	1.2	1.2	
30.0 /	0.9	1.0	1.0	0.9	0.9	
20.0 /	1.5	1.8	1.8	1.7	1.6	
10.0 /	1.6	1.7	1.6	1.5	1.4	

INT-DAY  
183 DAYS  
SGROUP# 1  
YEAR 1974  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 1, -5,  
\* FOR THE RECEPTOR GRID 8

\* MAXIMUM VALUE EQUALS 12.0 AND OCCURRED AT ( 800.0, 270.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0	RANGE (METERS)
360.0 /	2.2	2.3	2.2	2.0	1.9	
350.0 /	2.2	2.3	2.2	2.0	1.8	
340.0 /	3.6	3.7	3.5	3.1	2.8	
330.0 /	4.9	5.0	4.6	4.0	3.6	
320.0 /	6.2	6.3	5.7	5.1	4.5	
310.0 /	6.7	6.8	6.3	5.6	5.0	
300.0 /	6.7	6.8	6.2	5.5	4.9	
290.0 /	7.4	7.6	7.0	6.2	5.6	
280.0 /	8.7	8.8	8.0	7.0	6.2	
270.0 /	11.3	12.0	11.2	10.0	8.8	
260.0 /	11.2	11.7	10.8	9.4	8.3	
250.0 /	10.9	11.4	10.4	9.1	7.9	
240.0 /	10.0	10.5	9.3	8.0	7.0	
230.0 /	8.0	8.2	7.3	6.3	5.5	
220.0 /	5.4	5.4	4.9	4.2	3.6	
210.0 /	3.5	3.5	3.1	2.6	2.3	
200.0 /	3.2	3.2	2.9	2.5	2.1	
190.0 /	2.4	2.3	2.1	1.8	1.6	
180.0 /	3.2	3.3	3.0	2.6	2.3	
170.0 /	2.5	2.7	2.6	2.3	2.1	
160.0 /	2.8	3.1	3.1	2.9	2.7	
150.0 /	3.0	3.2	3.1	2.9	2.6	
140.0 /	4.4	5.0	4.9	4.5	4.2	
130.0 /	4.5	5.2	5.1	4.7	4.3	
120.0 /	2.6	2.7	2.7	2.5	2.3	
110.0 /	2.0	2.1	2.0	1.9	1.8	
100.0 /	1.7	1.8	1.6	1.5	1.3	
90.0 /	1.7	1.8	1.8	1.7	1.6	
80.0 /	1.8	1.8	1.8	1.6	1.5	
70.0 /	1.8	1.8	1.8	1.6	1.5	
60.0 /	2.2	2.4	2.3	2.1	2.0	
50.0 /	2.0	2.1	2.0	1.8	1.6	
40.0 /	1.7	1.8	1.6	1.5	1.3	
30.0 /	1.2	1.2	1.1	1.0	0.9	
20.0 /	1.2	1.2	1.1	1.0	0.9	
10.0 /	1.7	1.7	1.6	1.4	1.3	

2ND HIGH

24-HR

SGROUP# 1

YEAR 1970

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\*\*\*

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 1, -5,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 99.8 AND OCCURRED AT ( 600.0, 250.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0
360.0 /	28.9 ( 64, 1 )	37.1 ( 71, 1 )	31.9 ( 64, 1 )	28.6 ( 64, 1 )	26.9 ( 80, 1 )
350.0 /	51.0 ( 87, 1 )	50.6 ( 34, 1 )	44.8 ( 47, 1 )	39.5 ( 87, 1 )	34.5 ( 87, 1 )
340.0 /	59.7 ( 64, 1 )	66.4 ( 47, 1 )	63.9 ( 47, 1 )	58.4 ( 47, 1 )	53.4 ( 47, 1 )
330.0 /	42.3 ( 35, 1 )	42.8 ( 294, 1 )	43.9 ( 294, 1 )	41.0 ( 294, 1 )	37.7 ( 294, 1 )
320.0 /	60.6 ( 90, 1 )	62.0 ( 90, 1 )	55.8 ( 90, 1 )	48.1 ( 90, 1 )	41.5 ( 90, 1 )
310.0 /	66.7 ( 293, 1 )	74.1 ( 293, 1 )	68.6 ( 293, 1 )	60.5 ( 29, 1 )	54.8 ( 91, 1 )
300.0 /	48.1 ( 62, 1 )	56.6 ( 62, 1 )	55.5 ( 62, 1 )	50.3 ( 62, 1 )	45.1 ( 62, 1 )
290.0 /	51.7 ( 303, 1 )	60.0 ( 303, 1 )	57.7 ( 303, 1 )	51.5 ( 303, 1 )	45.6 ( 303, 1 )
280.0 /	64.1 ( 60, 1 )	63.1 ( 60, 1 )	54.7 ( 60, 1 )	45.9 ( 60, 1 )	38.7 ( 60, 1 )
270.0 /	88.5 ( 252, 1 )	89.7 ( 292, 1 )	79.3 ( 292, 1 )	69.2 ( 345, 1 )	62.9 ( 345, 1 )
260.0 /	78.2 ( 291, 1 )	79.2 ( 344, 1 )	76.8 ( 344, 1 )	68.8 ( 344, 1 )	61.7 ( 331, 1 )
250.0 /	99.8 ( 280, 1 )	97.3 ( 280, 1 )	90.0 ( 331, 1 )	83.5 ( 331, 1 )	75.7 ( 331, 1 )
240.0 /	61.1 ( 291, 1 )	66.0 ( 284, 1 )	61.7 ( 284, 1 )	54.4 ( 284, 1 )	47.7 ( 284, 1 )
230.0 /	57.8 ( 290, 1 )	57.3 ( 290, 1 )	54.5 ( 278, 1 )	50.0 ( 278, 1 )	45.9 ( 278, 1 )
220.0 /	49.3 ( 278, 1 )	47.4 ( 277, 1 )	42.6 ( 277, 1 )	38.5 ( 277, 1 )	34.4 ( 278, 1 )
210.0 /	31.7 ( 58, 1 )	26.9 ( 58, 1 )	21.4 ( 58, 1 )	19.3 ( 86, 1 )	18.2 ( 86, 1 )
200.0 /	29.6 ( 322, 1 )	29.6 ( 304, 1 )	25.1 ( 304, 1 )	20.8 ( 304, 1 )	17.4 ( 304, 1 )
190.0 /	23.9 ( 75, 1 )	26.3 ( 39, 1 )	23.6 ( 39, 1 )	20.2 ( 39, 1 )	17.3 ( 39, 1 )
180.0 /	34.2 ( 300, 1 )	39.8 ( 300, 1 )	37.7 ( 300, 1 )	32.6 ( 51, 1 )	26.6 ( 51, 1 )
170.0 /	35.5 ( 52, 1 )	38.4 ( 52, 1 )	37.1 ( 24, 1 )	34.4 ( 24, 1 )	31.3 ( 24, 1 )
160.0 /	42.5 ( 57, 1 )	48.8 ( 57, 1 )	46.9 ( 57, 1 )	45.9 ( 54, 1 )	42.1 ( 52, 1 )
150.0 /	38.5 ( 52, 1 )	43.7 ( 52, 1 )	41.1 ( 52, 1 )	36.0 ( 52, 1 )	31.3 ( 52, 1 )
140.0 /	49.7 ( 309, 1 )	58.0 ( 309, 1 )	55.1 ( 309, 1 )	48.7 ( 309, 1 )	42.7 ( 309, 1 )
130.0 /	63.2 ( 7, 1 )	66.2 ( 328, 1 )	67.4 ( 8, 1 )	61.8 ( 7, 1 )	54.2 ( 7, 1 )
120.0 /	42.2 ( 319, 1 )	47.9 ( 319, 1 )	44.6 ( 319, 1 )	38.7 ( 319, 1 )	33.4 ( 319, 1 )
110.0 /	52.8 ( 41, 1 )	57.9 ( 41, 1 )	53.1 ( 41, 1 )	46.0 ( 41, 1 )	40.3 ( 20, 1 )
100.0 /	44.5 ( 72, 1 )	46.9 ( 72, 1 )	42.2 ( 72, 1 )	36.2 ( 72, 1 )	31.1 ( 72, 1 )
90.0 /	24.4 ( 306, 1 )	25.1 ( 306, 1 )	25.5 ( 365, 1 )	23.8 ( 365, 1 )	21.6 ( 365, 1 )
80.0 /	32.0 ( 1, 1 )	32.5 ( 68, 1 )	31.3 ( 68, 1 )	27.8 ( 68, 1 )	24.4 ( 68, 1 )
70.0 /	29.5 ( 327, 1 )	27.9 ( 30, 1 )	26.8 ( 298, 1 )	23.7 ( 298, 1 )	21.5 ( 30, 1 )
60.0 /	40.6 ( 359, 1 )	40.7 ( 327, 1 )	35.0 ( 327, 1 )	30.4 ( 81, 1 )	27.0 ( 81, 1 )
50.0 /	40.1 ( 50, 1 )	36.1 ( 297, 1 )	32.6 ( 40, 1 )	28.6 ( 40, 1 )	24.9 ( 40, 1 )
40.0 /	24.4 ( 26, 1 )	23.5 ( 6, 1 )	23.0 ( 359, 1 )	21.3 ( 359, 1 )	19.4 ( 359, 1 )
30.0 /	19.5 ( 50, 1 )	16.9 ( 81, 1 )	18.6 ( 23, 1 )	18.4 ( 23, 1 )	17.8 ( 23, 1 )
20.0 /	22.0 ( 359, 1 )	24.0 ( 56, 1 )	23.1 ( 56, 1 )	20.5 ( 56, 1 )	18.0 ( 56, 1 )
10.0 /	20.0 ( 81, 1 )	20.6 ( 34, 1 )	18.2 ( 318, 1 )	15.8 ( 318, 1 )	13.8 ( 318, 1 )

2ND HIGH

24-HR

SGROUPH 1

YEAR 1971

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* FROM SOURCES: 1, -5,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 101.0 AND OCCURRED AT ( 600.0, 260.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0
360.0 /	21.7 (307, 1)	25.6 (307, 1)	25.7 (307, 1)	25.6 (297, 1)	24.1 (39, 1)
350.0 /	40.3 (38, 1)	44.1 (38, 1)	41.3 (38, 1)	37.0 (38, 1)	33.2 (38, 1)
340.0 /	54.3 (38, 1)	58.4 (38, 1)	53.2 (38, 1)	46.1 (38, 1)	42.5 (59, 1)
330.0 /	54.4 (36, 1)	59.6 (36, 1)	55.8 (36, 1)	49.5 (36, 1)	43.9 (36, 1)
320.0 /	63.4 (36, 1)	70.4 (36, 1)	65.3 (36, 1)	56.9 (36, 1)	50.3 (51, 1)
310.0 /	50.3 (52, 1)	60.0 (52, 1)	58.9 (52, 1)	53.7 (52, 1)	48.5 (52, 1)
300.0 /	44.2 (348, 1)	48.6 (348, 1)	47.8 (348, 1)	44.2 (348, 1)	40.7 (348, 1)
290.0 /	45.8 (348, 1)	51.9 (348, 1)	46.5 (35, 1)	39.2 (35, 1)	35.0 (362, 1)
280.0 /	52.5 (323, 1)	63.0 (323, 1)	57.3 (34, 1)	47.6 (34, 1)	41.3 (353, 1)
270.0 /	75.8 (3, 1)	85.8 (34, 1)	78.3 (91, 1)	71.1 (91, 1)	63.5 (91, 1)
260.0 /	101.0 (320, 1)	100.9 (320, 1)	88.4 (320, 1)	76.5 (319, 1)	64.9 (319, 1)
250.0 /	92.8 (320, 1)	93.0 (48, 1)	87.6 (48, 1)	76.8 (48, 1)	67.4 (335, 1)
240.0 /	85.6 (357, 1)	78.8 (359, 1)	72.0 (359, 1)	62.5 (359, 1)	55.2 (277, 1)
230.0 /	45.7 (359, 1)	46.7 (357, 1)	38.0 (357, 1)	32.2 (358, 1)	27.9 (358, 1)
220.0 /	30.0 (317, 1)	29.8 (312, 1)	26.0 (312, 1)	21.9 (312, 1)	18.9 (301, 1)
210.0 /	26.2 (80, 1)	27.0 (68, 1)	25.4 (68, 1)	22.3 (68, 1)	19.3 (68, 1)
200.0 /	30.5 (86, 1)	29.0 (86, 1)	24.9 (86, 1)	20.9 (86, 1)	17.6 (86, 1)
190.0 /	33.7 (76, 1)	33.5 (76, 1)	29.6 (76, 1)	25.5 (7, 1)	22.3 (7, 1)
180.0 /	38.7 (352, 1)	39.0 (352, 1)	34.2 (352, 1)	29.0 (352, 1)	24.7 (352, 1)
170.0 /	41.4 (329, 1)	42.4 (329, 1)	37.6 (329, 1)	32.0 (329, 1)	27.2 (329, 1)
160.0 /	35.1 (314, 1)	38.8 (314, 1)	35.8 (314, 1)	31.1 (314, 1)	26.9 (314, 1)
150.0 /	27.9 (315, 1)	32.3 (315, 1)	31.6 (317, 1)	28.3 (315, 1)	25.5 (315, 1)
140.0 /	47.4 (16, 1)	54.0 (86, 1)	50.3 (86, 1)	47.9 (315, 1)	42.5 (16, 1)
130.0 /	51.0 (19, 1)	59.1 (40, 1)	56.8 (40, 1)	51.1 (40, 1)	45.9 (40, 1)
120.0 /	52.2 (63, 1)	56.3 (66, 1)	53.9 (66, 1)	47.9 (66, 1)	42.1 (66, 1)
110.0 /	27.2 (19, 1)	31.0 (79, 1)	29.6 (295, 1)	34.1 (295, 1)	35.6 (295, 1)
100.0 /	25.7 (54, 1)	26.8 (44, 1)	24.7 (44, 1)	21.5 (44, 1)	18.7 (44, 1)
90.0 /	34.0 (15, 1)	41.4 (15, 1)	39.9 (15, 1)	35.5 (15, 1)	31.3 (15, 1)
80.0 /	32.7 (44, 1)	31.9 (44, 1)	29.0 (7, 1)	26.8 (15, 1)	23.0 (15, 1)
70.0 /	39.2 (15, 1)	36.7 (85, 1)	29.9 (82, 1)	23.8 (82, 1)	20.6 (75, 1)
60.0 /	34.6 (331, 1)	32.2 (39, 1)	29.6 (39, 1)	24.9 (75, 1)	21.1 (75, 1)
50.0 /	27.2 (75, 1)	25.0 (324, 1)	23.9 (18, 1)	23.6 (18, 1)	22.9 (286, 1)
40.0 /	23.9 (283, 1)	24.6 (283, 1)	22.6 (283, 1)	20.4 (283, 1)	18.9 (283, 1)
30.0 /	28.5 (85, 1)	25.1 (18, 1)	26.3 (62, 1)	21.8 (62, 1)	18.3 (62, 1)
20.0 /	28.6 (66, 1)	33.5 (66, 1)	32.4 (66, 1)	29.3 (66, 1)	26.5 (66, 1)
10.0 /	38.7 (38, 1)	36.4 (39, 1)	32.7 (37, 1)	31.0 (37, 1)	28.8 (37, 1)

2ND HIGH

24-HR

SGROUP# 1

YEAR 1972

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* FROM SOURCES: 1, 5,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 94.2 AND OCCURRED AT ( 600.0, 240.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS) 1000.0	1200.0	1400.0
360.0 /	57.7 (350, 1)	58.9 (356, 1)	54.8 (330, 1)	48.7 (330, 1)	42.9 (330, 1)
350.0 /	41.6 (330, 1)	46.8 (330, 1)	44.0 (330, 1)	38.7 (330, 1)	33.8 (330, 1)
340.0 /	38.6 (356, 1)	43.0 (341, 1)	42.1 (341, 1)	37.9 (341, 1)	33.6 (341, 1)
330.0 /	54.4 (13, 1)	54.2 (301, 1)	50.8 (62, 1)	43.3 (62, 1)	37.1 (10, 1)
320.0 /	64.0 (366, 1)	68.0 (366, 1)	62.1 (366, 1)	53.8 (366, 1)	46.5 (366, 1)
310.0 /	59.2 (349, 1)	68.1 (349, 1)	64.8 (349, 1)	57.6 (349, 1)	50.8 (349, 1)
300.0 /	58.8 (365, 1)	68.2 (365, 1)	65.2 (365, 1)	57.6 (340, 1)	53.7 (340, 1)
290.0 /	53.1 (349, 1)	60.8 (348, 1)	59.3 (308, 1)	54.6 (308, 1)	50.4 (308, 1)
280.0 /	59.7 (343, 1)	63.1 (343, 1)	58.7 (81, 1)	51.5 (348, 1)	46.6 (348, 1)
270.0 /	69.9 (347, 1)	78.8 (347, 1)	73.6 (347, 1)	64.7 (347, 1)	57.7 (343, 1)
260.0 /	67.7 (345, 1)	76.7 (18, 1)	75.6 (18, 1)	68.7 (18, 1)	61.6 (18, 1)
250.0 /	79.8 (295, 1)	72.3 (295, 1)	59.6 (295, 1)	48.9 (353, 1)	41.8 (353, 1)
240.0 /	94.2 (295, 1)	92.4 (285, 1)	78.0 (285, 1)	64.6 (285, 1)	54.0 (285, 1)
230.0 /	77.9 (286, 1)	75.5 (287, 1)	71.3 (287, 1)	63.9 (287, 1)	57.2 (287, 1)
220.0 /	68.3 (71, 1)	65.2 (71, 1)	55.0 (71, 1)	45.3 (71, 1)	37.7 (71, 1)
210.0 /	44.0 (286, 1)	40.4 (286, 1)	36.9 (72, 1)	33.0 (72, 1)	29.2 (72, 1)
200.0 /	42.7 (69, 1)	42.6 (69, 1)	37.2 (69, 1)	31.4 (69, 1)	26.6 (69, 1)
190.0 /	33.3 (59, 1)	31.7 (66, 1)	29.7 (279, 1)	26.1 (279, 1)	22.1 (69, 1)
180.0 /	30.7 (16, 1)	29.2 (16, 1)	24.8 (16, 1)	22.6 (7, 1)	19.1 (7, 1)
170.0 /	45.7 (351, 1)	49.1 (40, 1)	48.2 (326, 1)	40.8 (326, 1)	34.6 (326, 1)
160.0 /	44.0 (16, 1)	49.0 (336, 1)	45.6 (336, 1)	39.9 (336, 1)	34.7 (336, 1)
150.0 /	37.6 (16, 1)	37.4 (16, 1)	31.2 (45, 1)	27.1 (16, 1)	23.2 (16, 1)
140.0 /	63.4 (328, 1)	73.1 (328, 1)	60.1 (36, 1)	54.8 (36, 1)	49.0 (36, 1)
130.0 /	53.7 (327, 1)	61.9 (51, 1)	57.9 (328, 1)	52.9 (328, 1)	47.7 (328, 1)
120.0 /	45.0 (361, 1)	46.7 (361, 1)	45.2 (321, 1)	41.8 (321, 1)	38.3 (321, 1)
110.0 /	36.8 (281, 1)	39.0 (281, 1)	40.0 (320, 1)	39.7 (320, 1)	34.8 (331, 1)
100.0 /	46.7 (50, 1)	47.0 (50, 1)	46.4 (361, 1)	43.6 (44, 1)	37.6 (44, 1)
90.0 /	27.0 (361, 1)	28.7 (361, 1)	27.8 (361, 1)	23.9 (44, 1)	22.4 (281, 1)
80.0 /	23.9 (283, 1)	18.9 (49, 1)	17.9 (325, 1)	17.4 (44, 1)	16.5 (44, 1)
70.0 /	21.5 (85, 1)	20.9 (44, 1)	22.4 (44, 1)	21.0 (44, 1)	19.2 (44, 1)
60.0 /	31.1 (275, 1)	32.8 (78, 1)	31.7 (78, 1)	29.0 (78, 1)	26.4 (78, 1)
50.0 /	39.7 (6, 1)	41.0 (47, 1)	39.5 (47, 1)	35.1 (47, 1)	30.9 (47, 1)
40.0 /	41.8 (6, 1)	36.5 (6, 1)	30.9 (62, 1)	27.4 (62, 1)	24.6 (82, 1)
30.0 /	29.6 (85, 1)	31.0 (33, 1)	28.3 (5, 1)	27.3 (319, 1)	26.1 (33, 1)
20.0 /	26.8 (331, 1)	30.3 (331, 1)	28.2 (331, 1)	28.2 (319, 1)	27.8 (319, 1)
10.0 /	27.2 (274, 1)	27.0 (335, 1)	30.9 (335, 1)	29.6 (357, 1)	26.9 (312, 1)

2ND HIGH

24-HR

SGROUP# 1

YEAR 1973

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 1, -5,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 102.1 AND OCCURRED AT ( 1000.0, 290.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	23.2 (304, 1)	28.2 ( 76, 1)	29.1 ( 76, 1)	27.7 ( 22, 1)	25.7 ( 40, 1)	
350.0 /	41.3 ( 91, 1)	45.7 ( 91, 1)	42.2 ( 91, 1)	37.1 (332, 1)	32.6 (332, 1)	
340.0 /	37.9 ( 40, 1)	38.4 ( 40, 1)	36.6 ( 91, 1)	33.8 ( 91, 1)	32.3 (361, 1)	
330.0 /	61.6 ( 84, 1)	58.5 ( 22, 1)	51.0 ( 22, 1)	43.3 (339, 1)	39.5 (339, 1)	
320.0 /	75.7 ( 21, 1)	77.5 ( 21, 1)	69.5 ( 21, 1)	60.0 (329, 1)	53.3 (329, 1)	
310.0 /	82.0 ( 90, 1)	88.3 (360, 1)	80.5 (360, 1)	69.7 (360, 1)	60.1 (360, 1)	
300.0 /	67.5 ( 32, 1)	74.4 ( 70, 1)	77.2 ( 70, 1)	75.1 ( 70, 1)	72.8 ( 70, 1)	
290.0 /	72.6 ( 65, 1)	97.2 ( 65, 1)	102.1 ( 65, 1)	95.9 ( 65, 1)	84.6 ( 32, 1)	
280.0 /	50.4 ( 64, 1)	51.0 ( 65, 1)	47.9 ( 65, 1)	42.0 ( 65, 1)	37.2 (324, 1)	
270.0 /	68.9 (322, 1)	73.4 ( 64, 1)	66.3 ( 64, 1)	57.2 ( 64, 1)	49.5 (353, 1)	
260.0 /	91.1 ( 17, 1)	99.9 ( 17, 1)	91.4 ( 17, 1)	78.9 ( 17, 1)	68.0 ( 17, 1)	
250.0 /	99.4 (285, 1)	98.6 (285, 1)	85.7 (285, 1)	72.9 (335, 1)	64.2 (291, 1)	
240.0 /	66.9 (315, 1)	68.3 (315, 1)	62.4 (276, 1)	56.4 (276, 1)	50.5 (276, 1)	
230.0 /	57.8 (315, 1)	56.7 (315, 1)	50.5 (334, 1)	44.9 (334, 1)	38.3 (294, 1)	
220.0 /	95.6 (295, 1)	94.2 (295, 1)	81.6 (295, 1)	68.7 (295, 1)	58.1 (295, 1)	
210.0 /	59.2 (295, 1)	59.4 (296, 1)	51.8 (296, 1)	43.5 (296, 1)	36.6 (296, 1)	
200.0 /	37.3 (295, 1)	37.8 (295, 1)	33.4 (295, 1)	28.4 (295, 1)	24.2 (295, 1)	
190.0 /	24.4 (299, 1)	24.2 (352, 1)	21.5 (352, 1)	18.2 (352, 1)	15.5 (352, 1)	
180.0 /	31.7 (352, 1)	30.7 (297, 1)	31.7 ( 50, 1)	31.0 ( 50, 1)	29.1 ( 50, 1)	
170.0 /	29.7 ( 81, 1)	35.5 ( 50, 1)	40.8 ( 50, 1)	39.7 ( 50, 1)	37.1 ( 50, 1)	
160.0 /	32.3 ( 48, 1)	39.6 ( 50, 1)	48.6 ( 50, 1)	49.2 ( 50, 1)	47.0 ( 50, 1)	
150.0 /	35.1 ( 53, 1)	41.9 ( 50, 1)	51.5 ( 50, 1)	52.9 ( 50, 1)	51.5 ( 50, 1)	
140.0 /	56.5 ( 14, 1)	56.1 ( 14, 1)	52.3 ( 47, 1)	47.2 ( 47, 1)	42.2 ( 47, 1)	
130.0 /	61.2 ( 42, 1)	67.3 (343, 1)	63.7 (343, 1)	57.0 (343, 1)	50.9 (343, 1)	
120.0 /	46.9 ( 34, 1)	57.1 ( 34, 1)	56.0 ( 34, 1)	50.7 ( 34, 1)	45.4 ( 34, 1)	
110.0 /	41.9 (342, 1)	49.2 ( 29, 1)	45.5 ( 29, 1)	39.7 ( 29, 1)	34.5 ( 29, 1)	
100.0 /	32.1 ( 41, 1)	37.9 (350, 1)	36.5 (350, 1)	32.7 (350, 1)	28.8 (350, 1)	
90.0 /	26.7 ( 76, 1)	32.0 (302, 1)	33.8 (302, 1)	32.2 (302, 1)	30.2 (302, 1)	
80.0 /	25.6 ( 19, 1)	26.4 ( 85, 1)	24.2 ( 85, 1)	21.0 ( 85, 1)	18.2 ( 85, 1)	
70.0 /	29.6 ( 19, 1)	27.2 ( 19, 1)	24.5 ( 19, 1)	21.7 ( 19, 1)	19.3 ( 19, 1)	
60.0 /	23.7 ( 8, 1)	23.0 ( 8, 1)	20.9 ( 85, 1)	19.2 ( 85, 1)	17.8 ( 85, 1)	
50.0 /	21.1 ( 80, 1)	23.6 (320, 1)	19.9 (320, 1)	16.5 (348, 1)	14.0 (348, 1)	
40.0 /	31.1 (348, 1)	33.9 (348, 1)	31.0 (348, 1)	26.9 (348, 1)	23.4 (348, 1)	
30.0 /	23.8 ( 80, 1)	27.1 (350, 1)	23.1 (350, 1)	20.3 ( 8, 1)	19.5 ( 8, 1)	
20.0 /	30.2 (305, 1)	34.2 (305, 1)	32.6 (305, 1)	29.0 (305, 1)	25.7 (305, 1)	
10.0 /	23.4 ( 27, 1)	23.7 ( 85, 1)	21.2 ( 85, 1)	18.6 (354, 1)	16.5 (354, 1)	

HIGH  
24-HR  
SGROUP# 1  
YEAR 1974  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAHS/CUBIC METER)

\* FROM SOURCES: 1, -5,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 114.4 AND OCCURRED AT ( 800.0, 240.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	43.2 ( 83, 1 )	42.4 ( 53, 1 )	39.8 ( 50, 1 )	36.1 ( 50, 1 )	33.8 ( 83, 1 )	
350.0 /	39.6 ( 38, 1 )	42.5 ( 38, 1 )	39.0 ( 38, 1 )	34.0 ( 38, 1 )	29.7 ( 38, 1 )	
340.0 /	62.2 ( 82, 1 )	68.1 ( 82, 1 )	63.1 ( 82, 1 )	55.2 ( 82, 1 )	48.3 ( 82, 1 )	
330.0 /	60.7 ( 84, 1 )	56.8 ( 84, 1 )	49.7 ( 84, 1 )	42.9 ( 84, 1 )	37.8 ( 84, 1 )	
320.0 /	48.6 ( 78, 1 )	50.0 ( 78, 1 )	49.7 ( 334, 1 )	45.9 ( 334, 1 )	41.4 ( 334, 1 )	
310.0 /	47.2 ( 85, 1 )	50.8 ( 28, 1 )	51.5 ( 28, 1 )	47.4 ( 28, 1 )	43.0 ( 28, 1 )	
300.0 /	60.9 ( 52, 1 )	69.3 ( 52, 1 )	67.0 ( 52, 1 )	61.0 ( 52, 1 )	55.2 ( 52, 1 )	
290.0 /	55.2 ( 288, 1 )	70.4 ( 358, 1 )	72.7 ( 358, 1 )	68.0 ( 358, 1 )	62.5 ( 358, 1 )	
280.0 /	54.7 ( 74, 1 )	56.4 ( 321, 1 )	53.3 ( 321, 1 )	46.8 ( 321, 1 )	42.7 ( 65, 1 )	
270.0 /	103.4 ( 74, 1 )	104.8 ( 74, 1 )	99.6 ( 357, 1 )	90.9 ( 357, 1 )	82.4 ( 357, 1 )	
260.0 /	80.7 ( 287, 1 )	85.3 ( 321, 1 )	78.3 ( 321, 1 )	67.7 ( 321, 1 )	58.5 ( 320, 1 )	
250.0 /	96.4 ( 295, 1 )	90.8 ( 295, 1 )	76.9 ( 295, 1 )	64.8 ( 65, 1 )	56.7 ( 65, 1 )	
240.0 /	106.9 ( 285, 1 )	114.4 ( 285, 1 )	104.0 ( 285, 1 )	89.9 ( 285, 1 )	77.5 ( 285, 1 )	
230.0 /	97.9 ( 294, 1 )	100.5 ( 294, 1 )	89.1 ( 294, 1 )	75.9 ( 294, 1 )	64.7 ( 294, 1 )	
220.0 /	114.3 ( 278, 1 )	109.4 ( 278, 1 )	93.4 ( 278, 1 )	78.2 ( 278, 1 )	66.0 ( 278, 1 )	
210.0 /	75.8 ( 276, 1 )	73.6 ( 276, 1 )	63.3 ( 276, 1 )	53.0 ( 276, 1 )	44.7 ( 276, 1 )	
200.0 /	67.7 ( 276, 1 )	66.5 ( 276, 1 )	57.5 ( 276, 1 )	48.3 ( 276, 1 )	40.8 ( 276, 1 )	
190.0 /	40.6 ( 283, 1 )	38.7 ( 283, 1 )	32.9 ( 283, 1 )	27.4 ( 283, 1 )	23.1 ( 283, 1 )	
180.0 /	70.9 ( 279, 1 )	72.1 ( 279, 1 )	63.7 ( 279, 1 )	54.2 ( 279, 1 )	46.2 ( 279, 1 )	
170.0 /	46.5 ( 279, 1 )	49.3 ( 279, 1 )	45.8 ( 279, 1 )	40.9 ( 279, 1 )	36.7 ( 279, 1 )	
160.0 /	38.4 ( 313, 1 )	48.9 ( 313, 1 )	49.6 ( 313, 1 )	45.6 ( 313, 1 )	41.2 ( 313, 1 )	
150.0 /	36.3 ( 325, 1 )	37.6 ( 56, 1 )	38.5 ( 56, 1 )	35.1 ( 56, 1 )	31.5 ( 343, 1 )	
140.0 /	58.6 ( 56, 1 )	72.6 ( 56, 1 )	71.5 ( 56, 1 )	64.3 ( 56, 1 )	56.9 ( 56, 1 )	
130.0 /	65.0 ( 57, 1 )	74.1 ( 57, 1 )	69.8 ( 57, 1 )	61.5 ( 57, 1 )	53.8 ( 57, 1 )	
120.0 /	37.7 ( 316, 1 )	38.9 ( 316, 1 )	35.0 ( 316, 1 )	30.1 ( 316, 1 )	27.0 ( 40, 1 )	
110.0 /	32.6 ( 40, 1 )	38.2 ( 40, 1 )	36.3 ( 40, 1 )	31.8 ( 40, 1 )	27.7 ( 40, 1 )	
100.0 /	32.0 ( 40, 1 )	36.3 ( 40, 1 )	34.1 ( 40, 1 )	29.8 ( 40, 1 )	25.9 ( 40, 1 )	
90.0 /	36.3 ( 316, 1 )	37.6 ( 55, 1 )	36.0 ( 55, 1 )	31.9 ( 55, 1 )	28.3 ( 351, 1 )	
80.0 /	44.0 ( 316, 1 )	40.4 ( 316, 1 )	34.2 ( 316, 1 )	28.4 ( 316, 1 )	23.8 ( 316, 1 )	
70.0 /	52.5 ( 89, 1 )	48.4 ( 89, 1 )	44.6 ( 75, 1 )	40.5 ( 75, 1 )	36.5 ( 75, 1 )	
60.0 /	52.3 ( 88, 1 )	62.0 ( 280, 1 )	66.0 ( 280, 1 )	61.7 ( 280, 1 )	56.2 ( 280, 1 )	
50.0 /	52.2 ( 39, 1 )	52.1 ( 39, 1 )	45.9 ( 39, 1 )	39.2 ( 39, 1 )	33.8 ( 39, 1 )	
40.0 /	41.3 ( 39, 1 )	41.1 ( 39, 1 )	36.3 ( 39, 1 )	32.4 ( 89, 1 )	30.7 ( 89, 1 )	
30.0 /	28.5 ( 50, 1 )	31.3 ( 50, 1 )	29.2 ( 50, 1 )	25.7 ( 50, 1 )	22.4 ( 50, 1 )	
20.0 /	20.9 ( 47, 1 )	20.1 ( 47, 1 )	17.3 ( 39, 1 )	16.8 ( 39, 1 )	16.3 ( 39, 1 )	
10.0 /	25.4 ( 83, 1 )	31.3 ( 47, 1 )	28.8 ( 75, 1 )	27.2 ( 75, 1 )	25.0 ( 75, 1 )	

2ND HIGH

24-HR

SGROUP# 1

YEAR 1974

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D500

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 1, -5,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 104.7 AND OCCURRED AT ( 600.0, 240.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	37.8 ( 53, 1 )	41.8 ( 50, 1 )	39.5 ( 53, 1 )	35.5 ( 83, 1 )	32.7 ( 50, 1 )	
350.0 /	39.1 ( 30, 1 )	37.9 ( 50, 1 )	35.3 ( 50, 1 )	31.0 ( 50, 1 )	27.1 ( 50, 1 )	
340.0 /	48.6 ( 349, 1 )	57.0 ( 349, 1 )	55.0 ( 349, 1 )	49.2 ( 349, 1 )	43.5 ( 349, 1 )	
330.0 /	44.0 ( 354, 1 )	48.4 ( 354, 1 )	45.7 ( 354, 1 )	41.2 ( 354, 1 )	37.5 ( 354, 1 )	
320.0 /	45.6 ( 28, 1 )	48.9 ( 334, 1 )	46.0 ( 11, 1 )	41.9 ( 11, 1 )	38.2 ( 11, 1 )	
310.0 /	40.3 ( 28, 1 )	45.0 ( 1, 1 )	44.3 ( 1, 1 )	40.8 ( 27, 1 )	40.1 ( 27, 1 )	
300.0 /	50.9 ( 321, 1 )	57.2 ( 358, 1 )	56.0 ( 358, 1 )	50.1 ( 358, 1 )	44.2 ( 358, 1 )	
290.0 /	54.5 ( 358, 1 )	49.7 ( 3, 1 )	50.6 ( 63, 1 )	48.1 ( 63, 1 )	45.0 ( 63, 1 )	
280.0 /	49.1 ( 321, 1 )	51.9 ( 74, 1 )	50.0 ( 65, 1 )	46.6 ( 65, 1 )	41.8 ( 64, 1 )	
270.0 /	87.4 ( 357, 1 )	102.3 ( 357, 1 )	92.0 ( 74, 1 )	77.9 ( 74, 1 )	66.6 ( 361, 1 )	
260.0 /	77.3 ( 321, 1 )	81.5 ( 287, 1 )	74.7 ( 320, 1 )	66.1 ( 320, 1 )	58.3 ( 321, 1 )	
250.0 /	69.4 ( 287, 1 )	77.3 ( 65, 1 )	73.3 ( 65, 1 )	63.9 ( 295, 1 )	54.2 ( 287, 1 )	
240.0 /	<u>104.7 ( 295, 1 )</u>	99.7 ( 295, 1 )	84.6 ( 295, 1 )	75.0 ( 306, 1 )	66.4 ( 306, 1 )	
230.0 /	52.4 ( 284, 1 )	97.3 ( 284, 1 )	87.4 ( 284, 1 )	74.8 ( 284, 1 )	64.0 ( 284, 1 )	
220.0 /	80.6 ( 277, 1 )	77.1 ( 283, 1 )	74.3 ( 283, 1 )	66.6 ( 283, 1 )	59.3 ( 283, 1 )	
210.0 /	56.4 ( 275, 1 )	58.2 ( 275, 1 )	51.7 ( 275, 1 )	44.1 ( 275, 1 )	37.7 ( 275, 1 )	
200.0 /	48.7 ( 283, 1 )	53.2 ( 283, 1 )	49.1 ( 283, 1 )	42.7 ( 283, 1 )	37.0 ( 283, 1 )	
190.0 /	27.6 ( 276, 1 )	25.1 ( 276, 1 )	23.6 ( 363, 1 )	21.6 ( 363, 1 )	19.5 ( 363, 1 )	
180.0 /	45.6 ( 344, 1 )	41.7 ( 344, 1 )	35.3 ( 344, 1 )	29.3 ( 332, 1 )	24.9 ( 332, 1 )	
170.0 /	32.3 ( 281, 1 )	36.7 ( 313, 1 )	36.3 ( 313, 1 )	32.7 ( 313, 1 )	29.0 ( 313, 1 )	
160.0 /	34.9 ( 325, 1 )	35.7 ( 325, 1 )	31.5 ( 325, 1 )	26.7 ( 325, 1 )	23.0 ( 355, 1 )	
150.0 /	35.5 ( 334, 1 )	36.2 ( 343, 1 )	36.9 ( 343, 1 )	34.4 ( 343, 1 )	31.3 ( 56, 1 )	
140.0 /	55.1 ( 57, 1 )	62.8 ( 57, 1 )	58.7 ( 57, 1 )	51.2 ( 57, 1 )	44.4 ( 57, 1 )	
130.0 /	50.1 ( 338, 1 )	53.0 ( 40, 1 )	51.4 ( 40, 1 )	46.3 ( 40, 1 )	41.3 ( 40, 1 )	
120.0 /	31.4 ( 76, 1 )	30.8 ( 40, 1 )	31.3 ( 40, 1 )	29.2 ( 40, 1 )	25.8 ( 316, 1 )	
110.0 /	26.5 ( 375, 1 )	32.4 ( 335, 1 )	30.8 ( 335, 1 )	27.4 ( 335, 1 )	24.3 ( 335, 1 )	
100.0 /	24.1 ( 363, 1 )	25.6 ( 55, 1 )	25.3 ( 55, 1 )	23.2 ( 55, 1 )	21.2 ( 55, 1 )	
90.0 /	32.0 ( 55, 1 )	33.5 ( 316, 1 )	30.5 ( 316, 1 )	29.3 ( 351, 1 )	28.1 ( 55, 1 )	
80.0 /	41.4 ( 89, 1 )	38.3 ( 89, 1 )	32.2 ( 89, 1 )	26.5 ( 89, 1 )	22.5 ( 280, 1 )	
70.0 /	40.8 ( 75, 1 )	46.1 ( 75, 1 )	41.4 ( 89, 1 )	35.2 ( 89, 1 )	30.4 ( 89, 1 )	
60.0 /	44.6 ( 88, 1 )	51.4 ( 88, 1 )	45.6 ( 88, 1 )	39.4 ( 88, 1 )	34.3 ( 88, 1 )	
50.0 /	27.5 ( 31, 1 )	29.8 ( 280, 1 )	30.9 ( 280, 1 )	28.3 ( 280, 1 )	25.4 ( 280, 1 )	
40.0 /	34.7 ( 47, 1 )	35.1 ( 47, 1 )	33.4 ( 89, 1 )	31.1 ( 39, 1 )	26.9 ( 39, 1 )	
30.0 /	22.0 ( 342, 1 )	20.1 ( 342, 1 )	16.8 ( 88, 1 )	15.2 ( 88, 1 )	14.0 ( 88, 1 )	
20.0 /	14.5 ( 34, 1 )	16.4 ( 39, 1 )	17.1 ( 47, 1 )	16.2 ( 34, 1 )	16.0 ( 34, 1 )	
10.0 /	30.0 ( 47, 1 )	29.1 ( 63, 1 )	28.4 ( 47, 1 )	24.5 ( 47, 1 )	21.1 ( 47, 1 )	

## \*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

## COMPOSITE SECOND-HIGHEST 24-HOUR CONCENTRATION TABLE, ug/cu.m, FOR SOURCE GROUP 1

\* FOR THE RECEPTOR GRID \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	57.7	58.9		54.8	48.7	42.9
350.0 /	51.0	50.6		44.8	39.5	34.5
340.0 /	59.7	66.9		63.9	58.4	53.4
330.0 /	61.6	59.6		55.8	49.5	43.9
320.0 /	75.7	77.5		69.5	60.0	53.3
310.0 /	82.0	88.3		80.5	69.7	60.1
300.0 /	67.5	74.4		77.2	75.1	72.8
290.0 /	72.6	97.2		102.1	95.9	84.6
280.0 /	64.1	63.1		58.7	51.5	46.6
270.0 /	88.5	102.3		92.0	77.9	66.6
260.0 /	101.0	100.9		91.4	78.9	68.0
250.0 /	99.6	98.6		90.0	83.5	75.7
240.0 /	104.7	99.7		84.6	75.0	66.4
230.0 /	92.4	97.3		87.4	74.8	64.0
220.0 /	95.6	94.2		81.6	68.7	59.3
210.0 /	59.2	59.9		51.8	44.1	37.7
200.0 /	48.7	53.2		49.1	42.7	37.0
190.0 /	33.7	33.5		29.7	26.1	22.3
180.0 /	45.6	41.7		37.7	32.6	29.1
170.0 /	45.7	49.1		48.2	40.8	37.1
160.0 /	44.0	49.0		48.6	49.2	47.0
150.0 /	39.5	43.7		51.5	52.9	51.5
140.0 /	63.4	73.1		60.1	54.8	49.0
130.0 /	63.2	67.3		67.4	61.8	54.2
120.0 /	52.2	57.1		56.0	50.7	45.4
110.0 /	52.8	57.9		53.1	46.0	40.3
100.0 /	46.7	47.0		46.4	43.6	37.6
90.0 /	34.8	41.4		39.9	35.5	31.3
80.0 /	41.9	38.3		32.2	27.8	24.4
70.0 /	40.8	46.1		41.4	35.2	30.4
60.0 /	44.6	51.4		45.6	39.4	34.3
50.0 /	40.1	41.0		39.5	35.1	30.9
40.0 /	41.6	36.3		33.4	31.1	26.9
30.0 /	29.6	31.0		26.3	27.3	25.1
20.0 /	30.2	34.2		32.6	29.3	27.8
10.0 /	34.7	36.4		32.7	31.0	28.8

111-DAY  
183 DAYS  
SGROUP# 2  
YEAR 1970

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300 \*\*\*

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 2, -6,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 11.6 AND OCCURRED AT ( 800.0, 250.0 ) \*

DIRECTION /  
(DEGREES) / 600.0 800.0 1000.0 1200.0 1400.0 RANGE (METERS)

360.0 /	2.0	2.4	2.5	2.5	2.4
350.0 /	2.4	2.8	2.7	2.5	2.3
340.0 /	4.0	4.6	4.5	4.1	3.7
330.0 /	3.5	3.9	3.7	3.3	3.0
320.0 /	5.1	5.7	5.5	4.9	4.4
310.0 /	5.4	5.9	5.7	5.1	4.7
300.0 /	4.7	5.1	4.9	4.9	4.0
290.0 /	4.7	5.3	5.1	4.6	4.1
280.0 /	4.8	5.0	4.7	4.1	3.6
270.0 /	7.2	8.0	7.7	6.9	6.1
260.0 /	9.6	10.6	10.0	8.8	7.8
250.0 /	10.3	11.6	11.2	10.0	8.9
240.0 /	6.8	7.3	6.8	5.9	5.2
230.0 /	5.6	6.0	5.7	5.0	4.5
220.0 /	4.1	4.2	3.9	3.4	3.0
210.0 /	2.5	2.5	2.3	2.0	1.7
200.0 /	1.7	1.8	1.7	1.5	1.3
190.0 /	1.8	2.0	2.0	1.8	1.6
180.0 /	2.6	2.9	2.8	2.5	2.3
170.0 /	3.5	3.9	3.7	3.3	3.0
160.0 /	4.5	5.1	5.0	4.6	4.2
150.0 /	4.9	5.7	5.7	5.3	4.8
140.0 /	6.1	7.3	7.4	6.9	6.4
130.0 /	6.3	7.3	7.2	6.7	6.2
120.0 /	5.3	5.9	5.8	5.3	4.9
110.0 /	4.3	5.0	4.9	4.6	4.3
100.0 /	2.5	2.9	2.9	2.7	2.5
90.0 /	1.9	2.3	2.4	2.4	2.3
80.0 /	1.7	1.8	1.8	1.7	1.6
70.0 /	2.2	2.4	2.3	2.2	2.1
60.0 /	2.8	3.1	3.0	2.7	2.5
50.0 /	2.3	2.5	2.4	2.2	2.1
40.0 /	1.8	2.0	1.9	1.8	1.6
30.0 /	1.2	1.5	1.2	1.1	1.0
20.0 /	1.2	1.4	1.4	1.4	1.3
10.0 /	1.5	1.7	1.6	1.5	1.4

183-DAY  
183 DAYS  
SGROUP# 2  
YEAR 1971  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 2, -6,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 12.3 AND OCCURRED AT ( 800.0, 260.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0	RANGE (METERS)
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360.0 /	1.6	2.0	2.1	2.1	2.0	
350.0 /	3.0	3.6	3.6	3.4	3.1	
340.0 /	4.3	5.0	4.9	4.5	4.1	
330.0 /	5.5	6.1	5.9	5.4	4.9	
320.0 /	6.8	7.7	7.4	6.7	6.1	
310.0 /	6.6	7.4	7.2	6.5	5.9	
300.0 /	5.7	6.0	5.7	5.1	4.6	
290.0 /	5.7	6.2	6.0	5.4	4.9	
280.0 /	7.0	7.6	7.3	6.5	5.8	
270.0 /	9.1	9.8	9.3	8.3	7.4	
260.0 /	11.4	12.3	11.5	10.1	9.0	
250.0 /	11.2	11.9	10.9	9.5	8.3	
240.0 /	8.1	8.7	8.0	7.0	6.1	
230.0 /	4.4	4.5	4.1	3.6	3.1	
220.0 /	2.8	3.0	2.7	2.4	2.1	
210.0 /	1.9	2.1	2.0	1.8	1.6	
200.0 /	1.4	1.6	1.5	1.3	1.2	
190.0 /	1.8	1.9	1.8	1.6	1.4	
180.0 /	2.3	2.6	2.6	2.4	2.3	
170.0 /	2.5	2.8	2.7	2.5	2.3	
160.0 /	2.2	2.4	2.5	2.3	2.2	
150.0 /	2.5	3.0	3.1	2.9	2.8	
140.0 /	4.0	5.0	5.2	5.0	4.7	
130.0 /	4.3	5.3	5.5	5.2	4.9	
120.0 /	3.2	3.8	3.9	3.7	3.5	
110.0 /	2.3	2.7	2.8	2.7	2.5	
100.0 /	1.6	1.8	1.8	1.7	1.6	
90.0 /	1.6	1.8	1.8	1.8	1.7	
80.0 /	1.8	1.8	1.7	1.6	1.5	
70.0 /	2.0	2.0	1.8	1.6	1.4	
60.0 /	1.6	1.9	1.8	1.7	1.6	
50.0 /	1.7	1.9	2.0	1.9	1.8	
40.0 /	1.5	1.7	1.7	1.6	1.5	
30.0 /	1.5	1.7	1.6	1.5	1.4	
20.0 /	1.3	1.7	1.7	1.7	1.6	
10.0 /	1.3	1.5	1.6	1.5	1.5	

1 DAY  
184 DAYS  
SGROUP# 2  
YEAR 1972  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* 184-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 2, -6,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 10.9 AND OCCURRED AT ( 800.0, 260.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0	RANGE (METERS)
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360.0 /	3.2	3.8	3.9	3.7	3.4	
350.0 /	3.1	3.5	3.5	3.2	3.0	
340.0 /	4.2	4.6	4.5	4.1	3.7	
330.0 /	5.3	5.7	5.4	4.8	4.4	
320.0 /	5.5	5.9	5.6	5.0	4.5	
310.0 /	6.4	6.8	6.4	5.8	5.2	
300.0 /	7.0	7.3	6.9	6.1	5.5	
290.0 /	7.6	8.5	8.2	7.5	6.8	
280.0 /	7.7	8.5	8.2	7.3	6.6	
270.0 /	9.5	10.8	10.5	9.5	8.5	
260.0 /	9.7	10.9	10.4	9.4	8.4	
250.0 /	8.1	9.0	8.5	7.6	6.7	
240.0 /	7.0	7.6	7.1	6.3	5.5	
230.0 /	6.6	7.1	6.6	5.8	5.1	
220.0 /	4.0	4.2	3.8	3.2	2.7	
210.0 /	2.3	2.5	2.4	2.1	1.8	
200.0 /	1.6	1.8	1.7	1.5	1.3	
190.0 /	1.4	1.6	1.5	1.3	1.2	
180.0 /	2.1	2.3	2.2	2.0	1.7	
170.0 /	2.9	3.3	3.2	2.9	2.6	
160.0 /	3.2	3.8	3.8	3.5	3.2	
150.0 /	3.1	3.4	3.2	2.9	2.6	
140.0 /	4.3	5.0	4.9	4.5	4.1	
130.0 /	3.7	4.2	4.2	3.9	3.6	
120.0 /	3.4	4.1	4.1	3.9	3.6	
110.0 /	2.9	3.5	3.5	3.3	3.0	
100.0 /	2.2	2.4	2.4	2.2	2.1	
90.0 /	1.7	1.9	1.8	1.7	1.7	
80.0 /	1.4	1.6	1.6	1.5	1.5	
70.0 /	1.6	1.9	2.0	1.9	1.9	
60.0 /	2.0	2.2	2.2	2.1	1.9	
50.0 /	2.7	2.9	2.8	2.6	2.4	
40.0 /	2.7	3.1	3.1	2.9	2.7	
30.0 /	2.2	2.4	2.4	2.2	2.1	
20.0 /	2.1	2.5	2.6	2.5	2.4	
10.0 /	2.0	2.4	2.5	2.4	2.2	

1N<sup>1</sup>-DAY  
183 DAYS  
SGROUP# 2  
YEAR 1975

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300 \*\*\*

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* FROM SOURCES: 2+ -6,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 11.4 AND OCCURRED AT ( 800.0, 250.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	RANGE (METERS) 1400.0
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360.0 /	1.9	2.1	2.0	1.9	1.8
350.0 /	2.7	3.1	3.0	2.7	2.5
340.0 /	3.7	4.2	4.1	3.8	3.5
330.0 /	5.4	5.9	5.5	4.9	4.4
320.0 /	8.5	9.3	8.8	7.9	7.0
310.0 /	8.5	9.1	8.6	7.7	6.9
300.0 /	8.9	9.2	8.8	7.9	7.1
290.0 /	7.2	7.1	7.3	6.5	5.8
280.0 /	6.8	7.2	6.7	6.0	5.4
270.0 /	8.5	9.6	9.3	8.9	7.6
260.0 /	9.6	10.6	10.0	8.9	7.9
250.0 /	10.3	11.4	10.8	9.5	8.4
240.0 /	8.0	8.7	8.2	7.2	6.4
230.0 /	4.9	5.2	4.9	4.3	3.8
220.0 /	4.5	4.9	4.6	4.0	3.5
210.0 /	3.1	3.2	2.9	2.5	2.2
200.0 /	1.7	1.9	1.8	1.6	1.4
190.0 /	1.5	1.7	1.6	1.4	1.3
180.0 /	2.4	2.8	2.8	2.5	2.3
170.0 /	2.4	2.9	2.9	2.7	2.5
160.0 /	3.0	3.6	3.8	3.7	3.4
150.0 /	3.6	4.4	4.6	4.4	4.1
140.0 /	4.8	5.7	5.8	5.5	5.1
130.0 /	4.7	5.7	6.0	5.8	5.5
120.0 /	4.3	5.2	5.3	5.0	4.7
110.0 /	3.1	3.8	3.8	3.7	3.5
100.0 /	2.1	2.4	2.4	2.3	2.2
90.0 /	1.6	1.9	1.9	1.8	1.7
80.0 /	1.3	1.4	1.3	1.2	1.1
70.0 /	1.3	1.5	1.5	1.4	1.3
60.0 /	1.2	1.3	1.2	1.1	1.0
50.0 /	1.2	1.4	1.4	1.3	1.2
40.0 /	1.0	1.2	1.2	1.2	1.1
30.0 /	0.9	1.0	1.0	0.9	0.9
20.0 /	1.4	1.7	1.7	1.6	1.6
10.0 /	1.5	1.7	1.6	1.5	1.4

183-DAY  
183 DAYS  
SGROUPH 2  
YEAR 1974  
OSCEOLA FIVE YEAR PARTICULATE D300

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES; 2, -6,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 11.5 AND OCCURRED AT ( 800.0, 260.0 ) \*

DIRECTION /  
(DEGREES) / 600.0 800.0 1000.0 1200.0 1400.0 RANGE (METERS)

360.0 /	2.1	2.2	2.2	2.0	1.9
350.0 /	2.1	2.2	2.1	1.9	1.8
340.0 /	3.3	3.5	3.4	3.1	2.8
330.0 /	4.5	4.7	4.5	4.0	3.6
320.0 /	5.8	6.1	5.7	5.1	4.6
310.0 /	6.3	6.6	6.2	5.6	5.1
300.0 /	6.3	6.6	6.2	5.5	5.0
290.0 /	6.8	7.3	6.9	6.2	5.6
280.0 /	7.8	8.3	7.8	7.0	6.3
270.0 /	10.2	11.5	11.1	10.0	9.0
260.0 /	10.5	11.5	10.9	9.7	8.7
250.0 /	10.2	11.3	10.6	9.4	8.3
240.0 /	9.4	10.3	9.6	8.5	7.4
230.0 /	7.7	8.3	7.7	6.7	5.8
220.0 /	5.3	5.6	5.2	4.5	3.9
210.0 /	3.4	3.5	3.2	2.8	2.4
200.0 /	2.9	3.2	3.0	2.6	2.3
190.0 /	2.2	2.3	2.1	1.9	1.6
180.0 /	2.9	3.2	3.1	2.7	2.4
170.0 /	2.3	2.6	2.6	2.4	2.2
160.0 /	2.4	2.9	3.0	2.8	2.6
150.0 /	2.7	3.1	3.1	2.9	2.7
140.0 /	4.0	4.8	4.9	4.6	4.3
130.0 /	3.8	4.7	4.8	4.6	4.3
120.0 /	2.2	2.4	2.4	2.3	2.2
110.0 /	1.8	2.0	2.0	1.9	1.8
100.0 /	1.5	1.6	1.6	1.4	1.3
90.0 /	1.6	1.9	1.7	1.7	1.6
80.0 /	1.7	1.9	1.8	1.6	1.5
70.0 /	1.7	1.8	1.8	1.6	1.6
60.0 /	2.1	2.3	2.3	2.1	2.0
50.0 /	1.8	1.9	1.9	1.7	1.6
40.0 /	1.6	1.7	1.6	1.4	1.3
30.0 /	1.1	1.2	1.1	1.0	1.0
20.0 /	1.1	1.1	1.1	1.0	0.9
10.0 /	1.6	1.7	1.6	1.4	1.3

2ND HIGH

24-HR

SGROUPH 2

YEAR 1970

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 2, -6,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 103.0 AND OCCURRED AT ( 800.0, 250.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	27.2 ( 64, 1 )	32.2 ( 71, 1 )	32.6 ( 34, 1 )	28.6 ( 64, 1 )	26.4 ( 80, 1 )	
350.0 /	48.7 ( 87, 1 )	49.8 ( 87, 1 )	45.3 ( 34, 1 )	39.8 ( 47, 1 )	35.5 ( 87, 1 )	
340.0 /	57.6 ( 64, 1 )	66.8 ( 47, 1 )	65.5 ( 47, 1 )	60.3 ( 47, 1 )	55.6 ( 47, 1 )	
330.0 /	44.3 ( 77, 1 )	43.3 ( 294, 1 )	44.8 ( 294, 1 )	42.3 ( 294, 1 )	39.2 ( 294, 1 )	
320.0 /	60.7 ( 90, 1 )	63.5 ( 90, 1 )	58.1 ( 90, 1 )	50.6 ( 90, 1 )	44.0 ( 90, 1 )	
310.0 /	60.9 ( 293, 1 )	72.1 ( 293, 1 )	69.2 ( 293, 1 )	62.1 ( 29, 1 )	59.4 ( 91, 1 )	
300.0 /	41.6 ( 62, 1 )	51.4 ( 62, 1 )	52.2 ( 62, 1 )	48.3 ( 62, 1 )	44.1 ( 62, 1 )	
290.0 /	46.5 ( 303, 1 )	55.5 ( 303, 1 )	54.7 ( 303, 1 )	49.7 ( 303, 1 )	44.7 ( 303, 1 )	
280.0 /	48.6 ( 60, 1 )	52.1 ( 60, 1 )	47.7 ( 60, 1 )	41.5 ( 60, 1 )	36.0 ( 60, 1 )	
270.0 /	79.9 ( 292, 1 )	84.1 ( 292, 1 )	76.9 ( 292, 1 )	67.2 ( 292, 1 )	62.7 ( 345, 1 )	
260.0 /	73.6 ( 291, 1 )	76.7 ( 291, 1 )	77.1 ( 344, 1 )	71.0 ( 344, 1 )	64.3 ( 344, 1 )	
250.0 /	101.7 ( 280, 1 )	103.0 ( 280, 1 )	92.3 ( 331, 1 )	87.6 ( 331, 1 )	80.6 ( 331, 1 )	
240.0 /	59.6 ( 291, 1 )	67.2 ( 284, 1 )	65.6 ( 284, 1 )	59.0 ( 284, 1 )	52.5 ( 284, 1 )	
230.0 /	50.6 ( 290, 1 )	56.7 ( 278, 1 )	56.8 ( 278, 1 )	53.1 ( 278, 1 )	49.3 ( 278, 1 )	
220.0 /	47.6 ( 278, 1 )	48.1 ( 277, 1 )	44.2 ( 277, 1 )	40.3 ( 277, 1 )	37.0 ( 278, 1 )	
210.0 /	31.7 ( 58, 1 )	29.2 ( 58, 1 )	24.1 ( 58, 1 )	19.6 ( 86, 1 )	18.8 ( 86, 1 )	
200.0 /	27.2 ( 322, 1 )	29.9 ( 322, 1 )	26.7 ( 304, 1 )	22.5 ( 304, 1 )	19.0 ( 304, 1 )	
190.0 /	22.7 ( 75, 1 )	26.1 ( 39, 1 )	24.5 ( 39, 1 )	21.5 ( 39, 1 )	18.6 ( 39, 1 )	
180.0 /	29.4 ( 300, 1 )	37.7 ( 300, 1 )	37.7 ( 300, 1 )	34.2 ( 300, 1 )	29.1 ( 51, 1 )	
170.0 /	32.3 ( 52, 1 )	38.1 ( 52, 1 )	37.0 ( 24, 1 )	35.2 ( 24, 1 )	32.0 ( 2, 1 )	
160.0 /	35.7 ( 57, 1 )	44.9 ( 57, 1 )	45.4 ( 57, 1 )	43.2 ( 54, 1 )	42.2 ( 54, 1 )	
150.0 /	33.1 ( 35, 1 )	40.5 ( 35, 1 )	40.2 ( 52, 1 )	36.4 ( 52, 1 )	32.3 ( 52, 1 )	
140.0 /	44.4 ( 309, 1 )	56.1 ( 309, 1 )	55.9 ( 309, 1 )	50.7 ( 309, 1 )	45.2 ( 309, 1 )	
130.0 /	52.7 ( 328, 1 )	61.5 ( 8, 1 )	66.3 ( 8, 1 )	61.4 ( 7, 1 )	55.0 ( 7, 1 )	
120.0 /	43.6 ( 72, 1 )	49.4 ( 72, 1 )	47.2 ( 319, 1 )	42.2 ( 319, 1 )	37.0 ( 319, 1 )	
110.0 /	48.2 ( 41, 1 )	56.8 ( 41, 1 )	54.4 ( 41, 1 )	48.3 ( 41, 1 )	42.4 ( 41, 1 )	
100.0 /	38.4 ( 72, 1 )	44.3 ( 72, 1 )	42.0 ( 72, 1 )	37.0 ( 72, 1 )	32.3 ( 68, 1 )	
90.0 /	21.9 ( 306, 1 )	24.0 ( 306, 1 )	25.7 ( 365, 1 )	24.5 ( 365, 1 )	22.7 ( 365, 1 )	
80.0 /	32.6 ( 1, 1 )	32.0 ( 68, 1 )	31.5 ( 68, 1 )	28.4 ( 68, 1 )	25.2 ( 68, 1 )	
70.0 /	30.6 ( 327, 1 )	27.2 ( 298, 1 )	26.1 ( 30, 1 )	23.7 ( 30, 1 )	21.3 ( 30, 1 )	
60.0 /	37.1 ( 359, 1 )	40.6 ( 327, 1 )	35.3 ( 327, 1 )	30.4 ( 327, 1 )	26.8 ( 81, 1 )	
50.0 /	38.3 ( 56, 1 )	35.7 ( 297, 1 )	33.0 ( 40, 1 )	29.5 ( 40, 1 )	26.1 ( 40, 1 )	
40.0 /	24.1 ( 1, 1 )	24.8 ( 6, 1 )	23.6 ( 6, 1 )	20.8 ( 6, 1 )	18.8 ( 359, 1 )	
30.0 /	18.7 ( 50, 1 )	16.9 ( 50, 1 )	16.6 ( 23, 1 )	17.1 ( 23, 1 )	16.8 ( 23, 1 )	
20.0 /	21.1 ( 35, 1 )	24.3 ( 56, 1 )	23.7 ( 56, 1 )	21.3 ( 56, 1 )	18.9 ( 56, 1 )	
10.0 /	19.1 ( 81, 1 )	19.7 ( 318, 1 )	19.0 ( 34, 1 )	16.2 ( 318, 1 )	14.2 ( 318, 1 )	

2ND HIGH

24-HR

SGROUP# 2

YEAR 1971

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\*\*\*

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* FROM SOURCES: 2, -6,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 100.8 AND OCCURRED AT ( 800,0, 250,0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0
360.0 /	20.5 (307, 1)	24.4 (307, 1)	25.0 (307, 1)	23.5 (307, 1)	22.8 (297, 1)
350.0 /	37.3 (38, 1)	42.7 (38, 1)	41.1 (38, 1)	37.3 (38, 1)	33.9 (38, 1)
340.0 /	54.5 (38, 1)	60.3 (38, 1)	56.0 (38, 1)	49.1 (38, 1)	42.8 (38, 1)
330.0 /	50.2 (36, 1)	57.5 (36, 1)	55.3 (36, 1)	49.9 (36, 1)	44.8 (36, 1)
320.0 /	61.7 (4, 1)	68.5 (58, 1)	65.1 (36, 1)	58.6 (51, 1)	52.7 (4, 1)
310.0 /	50.5 (52, 1)	62.5 (52, 1)	62.6 (52, 1)	57.6 (52, 1)	52.4 (52, 1)
300.0 /	41.9 (348, 1)	46.1 (348, 1)	47.0 (348, 1)	44.2 (340, 1)	41.3 (348, 1)
290.0 /	41.7 (348, 1)	50.3 (348, 1)	48.0 (35, 1)	41.9 (35, 1)	36.0 (35, 1)
280.0 /	47.4 (323, 1)	60.0 (323, 1)	53.6 (34, 1)	46.8 (353, 1)	42.1 (353, 1)
270.0 /	65.1 (3, 1)	79.5 (3, 1)	79.9 (91, 1)	72.7 (34, 1)	65.7 (3, 1)
260.0 /	93.0 (319, 1)	98.0 (327, 1)	88.2 (327, 1)	75.7 (327, 1)	66.1 (319, 1)
250.0 /	98.9 (320, 1)	100.8 (320, 1)	95.9 (48, 1)	85.3 (48, 1)	74.9 (48, 1)
240.0 /	84.4 (357, 1)	80.8 (359, 1)	75.8 (359, 1)	66.7 (359, 1)	58.4 (277, 1)
230.0 /	45.0 (359, 1)	48.9 (359, 1)	42.8 (357, 1)	34.9 (33, 1)	30.3 (358, 1)
220.0 /	32.0 (317, 1)	33.1 (312, 1)	29.7 (312, 1)	25.3 (312, 1)	21.4 (312, 1)
210.0 /	23.9 (80, 1)	26.9 (68, 1)	26.7 (68, 1)	24.0 (68, 1)	21.1 (68, 1)
200.0 /	28.0 (352, 1)	29.7 (86, 1)	26.4 (86, 1)	22.5 (86, 1)	19.2 (86, 1)
190.0 /	31.0 (70, 1)	32.9 (76, 1)	30.2 (76, 1)	26.4 (7, 1)	23.5 (7, 1)
180.0 /	36.1 (352, 1)	39.4 (352, 1)	36.0 (352, 1)	31.1 (352, 1)	26.7 (352, 1)
170.0 /	38.6 (329, 1)	42.6 (329, 1)	39.3 (329, 1)	34.1 (329, 1)	29.4 (329, 1)
160.0 /	31.8 (300, 1)	36.7 (314, 1)	35.7 (314, 1)	31.9 (314, 1)	28.0 (314, 1)
150.0 /	23.3 (315, 1)	29.8 (315, 1)	30.4 (315, 1)	29.1 (317, 1)	26.9 (41, 1)
140.0 /	42.3 (89, 1)	54.1 (16, 1)	54.2 (86, 1)	49.1 (86, 1)	44.6 (16, 1)
130.0 /	49.9 (19, 1)	58.1 (63, 1)	57.1 (40, 1)	52.6 (40, 1)	47.8 (40, 1)
120.0 /	44.4 (63, 1)	52.1 (66, 1)	52.1 (66, 1)	47.6 (66, 1)	42.7 (66, 1)
110.0 /	25.0 (299, 1)	31.6 (54, 1)	30.4 (79, 1)	27.9 (295, 1)	29.9 (295, 1)
100.0 /	26.7 (298, 1)	25.7 (298, 1)	23.4 (298, 1)	21.0 (298, 1)	19.3 (298, 1)
90.0 /	33.5 (15, 1)	41.3 (15, 1)	41.0 (15, 1)	36.9 (15, 1)	32.8 (15, 1)
80.0 /	31.0 (82, 1)	27.5 (44, 1)	25.1 (7, 1)	26.1 (7, 1)	23.3 (15, 1)
70.0 /	35.7 (85, 1)	37.1 (82, 1)	30.4 (82, 1)	24.6 (82, 1)	20.5 (75, 1)
60.0 /	33.6 (324, 1)	30.9 (39, 1)	29.6 (39, 1)	25.5 (75, 1)	21.8 (75, 1)
50.0 /	23.3 (75, 1)	24.1 (324, 1)	24.5 (337, 1)	23.2 (18, 1)	22.5 (18, 1)
40.0 /	26.2 (283, 1)	27.6 (283, 1)	25.4 (283, 1)	22.9 (283, 1)	20.9 (283, 1)
30.0 /	29.0 (62, 1)	25.0 (18, 1)	25.3 (62, 1)	21.5 (62, 1)	18.3 (62, 1)
20.0 /	27.4 (283, 1)	32.3 (66, 1)	32.0 (66, 1)	29.3 (66, 1)	26.8 (66, 1)
10.0 /	37.1 (283, 1)	37.4 (39, 1)	32.3 (39, 1)	30.4 (37, 1)	28.6 (37, 1)

2ND HIGH

24-HR

SGROUPN 2

YEAR 1972

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\*\*\*

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* FROM SOURCES: 2, 76

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 94.3 AND OCCURRED AT ( 800.0, 240.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0
360.0 /	52.4 (357, 1)	59.0 (356, 1)	53.5 (330, 1)	48.4 (330, 1)	43.2 (330, 1)
350.0 /	39.6 (330, 1)	45.9 (330, 1)	44.3 (330, 1)	39.6 (330, 1)	35.0 (330, 1)
340.0 /	43.8 (356, 1)	42.5 (356, 1)	37.4 (341, 1)	34.7 (341, 1)	31.6 (341, 1)
330.0 /	52.9 (13, 1)	56.5 (341, 1)	52.6 (62, 1)	45.5 (62, 1)	39.6 (11, 1)
320.0 /	58.4 (366, 1)	65.5 (366, 1)	61.8 (366, 1)	54.6 (366, 1)	47.9 (366, 1)
310.0 /	51.7 (349, 1)	63.1 (349, 1)	62.2 (349, 1)	56.5 (349, 1)	50.7 (349, 1)
300.0 /	54.3 (365, 1)	66.6 (365, 1)	66.1 (365, 1)	61.1 (340, 1)	57.5 (340, 1)
290.0 /	57.8 (308, 1)	63.3 (308, 1)	66.5 (349, 1)	59.3 (349, 1)	53.3 (308, 1)
280.0 /	52.8 (297, 1)	57.9 (311, 1)	57.9 (348, 1)	53.8 (348, 1)	49.0 (348, 1)
270.0 /	67.6 (297, 1)	75.3 (297, 1)	72.9 (297, 1)	66.3 (297, 1)	61.1 (343, 1)
260.0 /	70.8 (345, 1)	89.4 (345, 1)	77.0 (18, 1)	71.2 (18, 1)	64.7 (18, 1)
250.0 /	73.1 (295, 1)	71.5 (295, 1)	61.5 (295, 1)	52.3 (353, 1)	45.3 (353, 1)
240.0 /	93.4 (285, 1)	94.3 (285, 1)	82.5 (285, 1)	69.6 (285, 1)	58.8 (285, 1)
230.0 /	74.5 (285, 1)	76.1 (286, 1)	72.9 (287, 1)	66.7 (287, 1)	60.5 (287, 1)
220.0 /	74.2 (71, 1)	73.6 (286, 1)	63.4 (286, 1)	53.0 (286, 1)	44.6 (286, 1)
210.0 /	45.7 (286, 1)	44.1 (286, 1)	37.4 (286, 1)	32.5 (72, 1)	29.3 (72, 1)
200.0 /	37.8 (69, 1)	41.0 (69, 1)	37.5 (69, 1)	32.4 (69, 1)	27.9 (69, 1)
190.0 /	31.4 (59, 1)	31.1 (59, 1)	30.0 (279, 1)	27.1 (279, 1)	24.0 (279, 1)
180.0 /	29.8 (16, 1)	30.2 (16, 1)	26.5 (16, 1)	22.4 (16, 1)	20.7 (7, 1)
170.0 /	44.1 (351, 1)	46.3 (351, 1)	46.7 (40, 1)	42.9 (326, 1)	36.8 (326, 1)
160.0 /	41.3 (16, 1)	47.5 (16, 1)	44.8 (336, 1)	40.4 (336, 1)	35.8 (336, 1)
150.0 /	33.6 (16, 1)	36.2 (16, 1)	32.9 (16, 1)	28.1 (328, 1)	24.3 (16, 1)
140.0 /	58.9 (328, 1)	73.0 (328, 1)	64.0 (280, 1)	54.7 (36, 1)	49.9 (36, 1)
130.0 /	46.4 (327, 1)	60.1 (51, 1)	57.1 (51, 1)	51.3 (51, 1)	46.0 (51, 1)
120.0 /	38.7 (327, 1)	43.2 (361, 1)	42.8 (321, 1)	40.2 (321, 1)	37.3 (321, 1)
110.0 /	36.0 (281, 1)	39.7 (281, 1)	40.0 (320, 1)	38.0 (77, 1)	34.1 (361, 1)
100.0 /	44.7 (50, 1)	47.2 (50, 1)	43.7 (361, 1)	42.0 (361, 1)	39.8 (361, 1)
90.0 /	23.5 (44, 1)	24.9 (49, 1)	24.7 (80, 1)	22.7 (361, 1)	22.1 (281, 1)
80.0 /	22.1 (283, 1)	18.3 (283, 1)	18.5 (44, 1)	15.1 (325, 1)	14.8 (325, 1)
70.0 /	20.0 (48, 1)	24.7 (85, 1)	22.4 (85, 1)	20.2 (85, 1)	18.6 (85, 1)
60.0 /	33.4 (275, 1)	32.7 (78, 1)	31.6 (70, 1)	29.1 (78, 1)	26.7 (78, 1)
50.0 /	35.6 (38, 1)	40.2 (47, 1)	39.5 (47, 1)	35.5 (38, 1)	31.5 (38, 1)
40.0 /	38.1 (6, 1)	35.0 (6, 1)	29.7 (6, 1)	26.2 (82, 1)	23.8 (82, 1)
30.0 /	31.4 (85, 1)	30.4 (33, 1)	29.0 (5, 1)	25.6 (319, 1)	25.8 (319, 1)
20.0 /	24.1 (331, 1)	28.6 (331, 1)	27.5 (331, 1)	26.1 (319, 1)	26.4 (319, 1)
10.0 /	26.1 (357, 1)	24.7 (302, 1)	28.1 (335, 1)	28.2 (335, 1)	26.7 (357, 1)

2ND HIGH,

24-HR

SGROUP# 2

YEAR 1973

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300 \*\*\*

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 2, -6,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 105.5 AND OCCURRED AT ( 800.0, 260.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0
360.0 /	22.2 (304, 1)	26.2 ( 76, 1)	27.9 ( 76, 1)	26.8 ( 22, 1)	26.0 ( 40, 1)
350.0 /	38.9 ( 91, 1)	44.9 ( 91, 1)	42.6 ( 91, 1)	37.8 ( 91, 1)	33.2 ( 91, 1)
340.0 /	37.6 ( 84, 1)	39.2 ( 40, 1)	35.5 ( 91, 1)	33.2 ( 91, 1)	31.0 ( 91, 1)
330.0 /	59.1 ( 84, 1)	58.0 ( 22, 1)	51.9 ( 22, 1)	44.5 ( 22, 1)	40.0 ( 339, 1)
320.0 /	69.5 ( 21, 1)	74.4 ( 21, 1)	69.8 ( 329, 1)	62.7 ( 329, 1)	56.3 ( 329, 1)
310.0 /	78.9 ( 90, 1)	85.9 ( 90, 1)	80.0 ( 360, 1)	70.5 ( 360, 1)	61.7 ( 360, 1)
300.0 /	66.7 ( 74, 1)	76.4 ( 70, 1)	80.0 ( 70, 1)	78.0 ( 70, 1)	75.8 ( 70, 1)
290.0 /	62.9 ( 65, 1)	87.7 ( 65, 1)	95.4 ( 65, 1)	91.6 ( 65, 1)	85.8 ( 65, 1)
280.0 /	52.4 ( 32, 1)	53.3 ( 65, 1)	51.5 ( 65, 1)	45.6 ( 65, 1)	40.2 ( 65, 1)
270.0 /	65.7 ( 322, 1)	70.4 ( 64, 1)	64.1 ( 64, 1)	57.7 ( 353, 1)	52.7 ( 324, 1)
260.0 /	89.9 ( 17, 1)	105.5 ( 17, 1)	100.0 ( 17, 1)	87.3 ( 286, 1)	75.6 ( 286, 1)
250.0 /	90.0 ( 285, 1)	94.7 ( 285, 1)	86.3 ( 335, 1)	77.8 ( 335, 1)	69.0 ( 335, 1)
240.0 /	71.9 ( 316, 1)	77.8 ( 285, 1)	67.8 ( 285, 1)	56.6 ( 285, 1)	48.7 ( 276, 1)
230.0 /	60.0 ( 315, 1)	62.5 ( 294, 1)	55.8 ( 294, 1)	47.6 ( 294, 1)	40.6 ( 294, 1)
220.0 /	89.4 ( 295, 1)	94.8 ( 295, 1)	85.3 ( 295, 1)	73.2 ( 295, 1)	62.6 ( 295, 1)
210.0 /	61.4 ( 295, 1)	62.4 ( 295, 1)	56.6 ( 293, 1)	50.0 ( 293, 1)	43.3 ( 296, 1)
200.0 /	36.3 ( 295, 1)	39.3 ( 295, 1)	35.8 ( 295, 1)	30.9 ( 295, 1)	26.6 ( 295, 1)
190.0 /	23.6 ( 294, 1)	23.1 ( 352, 1)	21.5 ( 352, 1)	18.8 ( 352, 1)	16.2 ( 352, 1)
180.0 /	26.3 ( 81, 1)	30.3 ( 297, 1)	28.7 ( 297, 1)	29.0 ( 50, 1)	28.0 ( 50, 1)
170.0 /	26.7 ( 81, 1)	30.0 ( 297, 1)	36.2 ( 50, 1)	36.9 ( 50, 1)	35.6 ( 50, 1)
160.0 /	28.3 ( 15, 1)	35.5 ( 48, 1)	43.1 ( 50, 1)	45.8 ( 50, 1)	45.2 ( 50, 1)
150.0 /	33.9 ( 297, 1)	40.9 ( 297, 1)	43.4 ( 50, 1)	46.8 ( 50, 1)	47.1 ( 50, 1)
140.0 /	54.0 ( 14, 1)	53.6 ( 47, 1)	52.4 ( 47, 1)	47.8 ( 47, 1)	43.2 ( 47, 1)
130.0 /	53.6 ( 42, 1)	65.5 ( 343, 1)	63.9 ( 343, 1)	58.2 ( 343, 1)	52.6 ( 343, 1)
120.0 /	41.0 ( 25, 1)	56.8 ( 12, 1)	55.4 ( 12, 1)	50.7 ( 34, 1)	46.3 ( 34, 1)
110.0 /	36.0 ( 29, 1)	42.5 ( 29, 1)	41.5 ( 29, 1)	37.4 ( 29, 1)	33.3 ( 29, 1)
100.0 /	31.1 ( 41, 1)	35.1 ( 350, 1)	35.2 ( 350, 1)	32.3 ( 350, 1)	29.1 ( 350, 1)
90.0 /	26.8 ( 85, 1)	29.9 ( 302, 1)	32.6 ( 302, 1)	31.7 ( 302, 1)	30.3 ( 302, 1)
80.0 /	28.3 ( 19, 1)	24.7 ( 19, 1)	22.4 ( 85, 1)	20.1 ( 85, 1)	17.8 ( 85, 1)
70.0 /	25.5 ( 19, 1)	24.3 ( 15, 1)	23.9 ( 29, 1)	20.3 ( 320, 1)	18.1 ( 19, 1)
60.0 /	21.9 ( 8, 1)	22.1 ( 8, 1)	20.1 ( 8, 1)	18.0 ( 8, 1)	16.9 ( 85, 1)
50.0 /	22.3 ( 89, 1)	24.2 ( 348, 1)	21.9 ( 348, 1)	18.7 ( 348, 1)	15.9 ( 348, 1)
40.0 /	27.6 ( 348, 1)	31.7 ( 348, 1)	30.0 ( 348, 1)	26.7 ( 348, 1)	23.6 ( 348, 1)
30.0 /	21.0 ( 60, 1)	27.4 ( 80, 1)	24.1 ( 350, 1)	20.3 ( 350, 1)	19.2 ( 8, 1)
20.0 /	28.2 ( 305, 1)	32.4 ( 80, 1)	32.0 ( 305, 1)	29.1 ( 305, 1)	26.0 ( 305, 1)
10.0 /	21.5 ( 27, 1)	24.1 ( 85, 1)	22.0 ( 85, 1)	19.1 ( 85, 1)	16.9 ( 354, 1)

HIGH  
24-HR  
SGROUP# 2  
YEAR 1970

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 2, 781

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 117.6 AND OCCURRED AT ( 800.0, 220.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0
360.0 /	41.8 ( 83, 1 )	41.2 ( 53, 1 )	39.9 ( 50, 1 )	36.7 ( 50, 1 )	33.6 ( 50, 1 )
350.0 /	37.5 ( 30, 1 )	41.8 ( 38, 1 )	39.3 ( 38, 1 )	34.9 ( 38, 1 )	30.8 ( 38, 1 )
340.0 /	59.2 ( 82, 1 )	67.3 ( 82, 1 )	63.7 ( 82, 1 )	56.7 ( 82, 1 )	50.1 ( 82, 1 )
330.0 /	63.1 ( 84, 1 )	59.6 ( 84, 1 )	52.5 ( 84, 1 )	45.5 ( 84, 1 )	40.1 ( 84, 1 )
320.0 /	48.7 ( 78, 1 )	51.7 ( 78, 1 )	51.3 ( 334, 1 )	47.9 ( 334, 1 )	43.7 ( 334, 1 )
310.0 /	46.3 ( 85, 1 )	45.8 ( 10, 1 )	47.5 ( 28, 1 )	44.7 ( 28, 1 )	41.3 ( 28, 1 )
300.0 /	59.9 ( 52, 1 )	70.6 ( 52, 1 )	69.6 ( 52, 1 )	64.0 ( 52, 1 )	58.4 ( 52, 1 )
290.0 /	56.3 ( 288, 1 )	68.9 ( 358, 1 )	73.8 ( 358, 1 )	70.3 ( 358, 1 )	65.5 ( 358, 1 )
280.0 /	47.7 ( 86, 1 )	54.8 ( 321, 1 )	54.3 ( 321, 1 )	49.0 ( 321, 1 )	43.5 ( 321, 1 )
270.0 /	98.3 ( 74, 1 )	104.9 ( 74, 1 )	96.1 ( 357, 1 )	89.3 ( 357, 1 )	82.2 ( 357, 1 )
260.0 /	74.7 ( 321, 1 )	87.3 ( 321, 1 )	82.9 ( 321, 1 )	72.8 ( 321, 1 )	63.4 ( 321, 1 )
250.0 /	82.7 ( 295, 1 )	84.4 ( 295, 1 )	75.7 ( 65, 1 )	68.3 ( 65, 1 )	60.7 ( 65, 1 )
240.0 /	112.9 ( 295, 1 )	112.7 ( 295, 1 )	103.5 ( 285, 1 )	91.8 ( 285, 1 )	80.5 ( 285, 1 )
230.0 /	58.7 ( 294, 1 )	106.2 ( 294, 1 )	96.6 ( 294, 1 )	83.3 ( 294, 1 )	71.5 ( 294, 1 )
220.0 /	116.1 ( 278, 1 )	117.6 ( 278, 1 )	103.2 ( 278, 1 )	87.4 ( 278, 1 )	74.3 ( 278, 1 )
210.0 /	71.2 ( 276, 1 )	78.1 ( 276, 1 )	66.1 ( 276, 1 )	56.3 ( 276, 1 )	48.0 ( 276, 1 )
200.0 /	66.4 ( 276, 1 )	69.7 ( 276, 1 )	62.3 ( 276, 1 )	53.1 ( 276, 1 )	45.2 ( 276, 1 )
190.0 /	39.8 ( 283, 1 )	40.5 ( 283, 1 )	35.5 ( 283, 1 )	30.0 ( 283, 1 )	25.5 ( 283, 1 )
180.0 /	66.2 ( 279, 1 )	72.5 ( 279, 1 )	66.7 ( 279, 1 )	57.8 ( 279, 1 )	49.9 ( 279, 1 )
170.0 /	41.9 ( 279, 1 )	48.0 ( 279, 1 )	46.4 ( 279, 1 )	42.2 ( 279, 1 )	38.3 ( 279, 1 )
160.0 /	34.3 ( 325, 1 )	43.2 ( 313, 1 )	46.5 ( 313, 1 )	44.3 ( 313, 1 )	41.0 ( 313, 1 )
150.0 /	32.9 ( 291, 1 )	37.4 ( 56, 1 )	40.2 ( 56, 1 )	37.5 ( 56, 1 )	33.9 ( 56, 1 )
140.0 /	51.6 ( 57, 1 )	65.8 ( 56, 1 )	68.6 ( 56, 1 )	63.7 ( 56, 1 )	57.5 ( 56, 1 )
130.0 /	52.8 ( 57, 1 )	65.1 ( 57, 1 )	64.6 ( 57, 1 )	58.7 ( 57, 1 )	52.5 ( 57, 1 )
120.0 /	34.7 ( 316, 1 )	37.2 ( 316, 1 )	34.6 ( 316, 1 )	30.4 ( 316, 1 )	27.1 ( 40, 1 )
110.0 /	32.0 ( 40, 1 )	40.5 ( 40, 1 )	40.0 ( 40, 1 )	35.8 ( 40, 1 )	31.4 ( 40, 1 )
100.0 /	23.9 ( 55, 1 )	29.6 ( 40, 1 )	29.6 ( 40, 1 )	27.0 ( 40, 1 )	24.2 ( 40, 1 )
90.0 /	39.4 ( 316, 1 )	37.1 ( 316, 1 )	33.5 ( 316, 1 )	29.9 ( 316, 1 )	27.5 ( 351, 1 )
80.0 /	47.3 ( 89, 1 )	45.4 ( 89, 1 )	38.8 ( 89, 1 )	32.1 ( 89, 1 )	26.8 ( 89, 1 )
70.0 /	49.8 ( 89, 1 )	48.7 ( 75, 1 )	48.1 ( 75, 1 )	44.2 ( 75, 1 )	40.3 ( 75, 1 )
60.0 /	54.3 ( 88, 1 )	56.2 ( 280, 1 )	62.9 ( 280, 1 )	60.6 ( 280, 1 )	56.4 ( 280, 1 )
50.0 /	51.3 ( 39, 1 )	52.6 ( 39, 1 )	47.3 ( 39, 1 )	41.0 ( 39, 1 )	35.7 ( 39, 1 )
40.0 /	36.0 ( 39, 1 )	37.7 ( 39, 1 )	34.5 ( 39, 1 )	30.5 ( 39, 1 )	29.5 ( 39, 1 )
30.0 /	28.5 ( 50, 1 )	32.0 ( 50, 1 )	30.4 ( 50, 1 )	27.1 ( 50, 1 )	23.9 ( 50, 1 )
20.0 /	20.1 ( 47, 1 )	28.1 ( 47, 1 )	17.6 ( 47, 1 )	16.3 ( 39, 1 )	16.0 ( 39, 1 )
10.0 /	36.3 ( 83, 1 )	30.5 ( 47, 1 )	28.4 ( 47, 1 )	26.0 ( 75, 1 )	24.4 ( 75, 1 )

2ND HIGH.

24-HR

SGROUP# 2

YEAR 1974

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 2, -6,

\* FOR THE RECEPTOR GRID :

\* MAXIMUM VALUE EQUALS 108.7 AND OCCURRED AT ( 800.0, 240.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	35.6 ( 50, 1 )	41.0 ( 50, 1 )	39.4 ( 53, 1 )	35.0 ( 53, 1 )	33.5 ( 83, 1 )	
350.0 /	37.5 ( 38, 1 )	36.6 ( 50, 1 )	35.0 ( 50, 1 )	31.3 ( 50, 1 )	27.7 ( 50, 1 )	
340.0 /	48.1 ( 38, 1 )	53.5 ( 349, 1 )	53.4 ( 349, 1 )	48.8 ( 349, 1 )	43.9 ( 349, 1 )	
330.0 /	41.3 ( 9, 1 )	45.0 ( 9, 1 )	43.9 ( 354, 1 )	40.6 ( 354, 1 )	37.5 ( 354, 1 )	
320.0 /	45.5 ( 28, 1 )	49.7 ( 334, 1 )	47.4 ( 78, 1 )	42.1 ( 11, 1 )	38.9 ( 11, 1 )	
310.0 /	41.7 ( 10, 1 )	45.7 ( 28, 1 )	44.3 ( 10, 1 )	41.0 ( 10, 1 )	38.0 ( 10, 1 )	
300.0 /	52.5 ( 329, 1 )	50.5 ( 27, 1 )	50.2 ( 358, 1 )	46.2 ( 358, 1 )	41.8 ( 26, 1 )	
290.0 /	52.9 ( 68, 1 )	50.7 ( 68, 1 )	46.9 ( 63, 1 )	45.4 ( 63, 1 )	43.2 ( 63, 1 )	
280.0 /	46.4 ( 23, 1 )	48.3 ( 23, 1 )	48.7 ( 65, 1 )	46.4 ( 65, 1 )	43.3 ( 65, 1 )	
270.0 /	78.1 ( 357, 1 )	95.7 ( 357, 1 )	95.0 ( 74, 1 )	81.8 ( 74, 1 )	72.2 ( 361, 1 )	
260.0 /	73.9 ( 287, 1 )	82.9 ( 320, 1 )	79.2 ( 320, 1 )	70.9 ( 320, 1 )	63.3 ( 320, 1 )	
250.0 /	70.1 ( 287, 1 )	79.5 ( 296, 1 )	75.6 ( 287, 1 )	67.0 ( 287, 1 )	58.8 ( 287, 1 )	
240.0 /	94.1 ( 285, 1 )	108.7 ( 285, 1 )	97.6 ( 295, 1 )	81.8 ( 295, 1 )	68.9 ( 295, 1 )	
230.0 /	87.0 ( 284, 1 )	98.4 ( 284, 1 )	91.7 ( 284, 1 )	80.0 ( 284, 1 )	69.2 ( 284, 1 )	
220.0 /	81.1 ( 277, 1 )	78.7 ( 277, 1 )	75.8 ( 283, 1 )	69.6 ( 283, 1 )	62.8 ( 283, 1 )	
210.0 /	54.7 ( 277, 1 )	57.5 ( 275, 1 )	53.3 ( 275, 1 )	46.5 ( 275, 1 )	40.2 ( 275, 1 )	
200.0 /	43.7 ( 283, 1 )	51.9 ( 283, 1 )	50.3 ( 283, 1 )	44.9 ( 283, 1 )	39.5 ( 283, 1 )	
190.0 /	28.5 ( 276, 1 )	27.3 ( 276, 1 )	23.5 ( 363, 1 )	22.1 ( 363, 1 )	20.3 ( 363, 1 )	
180.0 /	43.3 ( 344, 1 )	42.1 ( 344, 1 )	36.8 ( 344, 1 )	31.3 ( 332, 1 )	26.9 ( 332, 1 )	
170.0 /	28.9 ( 281, 1 )	34.3 ( 313, 1 )	35.9 ( 313, 1 )	33.3 ( 313, 1 )	30.1 ( 313, 1 )	
160.0 /	30.6 ( 313, 1 )	37.6 ( 325, 1 )	34.9 ( 325, 1 )	29.7 ( 325, 1 )	25.5 ( 325, 1 )	
150.0 /	32.9 ( 325, 1 )	35.7 ( 325, 1 )	35.4 ( 343, 1 )	34.0 ( 343, 1 )	31.9 ( 343, 1 )	
140.0 /	48.2 ( 56, 1 )	63.4 ( 57, 1 )	61.7 ( 57, 1 )	54.8 ( 57, 1 )	48.0 ( 57, 1 )	
130.0 /	47.2 ( 538, 1 )	49.0 ( 40, 1 )	50.2 ( 40, 1 )	46.5 ( 40, 1 )	42.3 ( 40, 1 )	
120.0 /	29.0 ( 76, 1 )	29.6 ( 76, 1 )	29.4 ( 40, 1 )	28.5 ( 40, 1 )	26.5 ( 316, 1 )	
110.0 /	25.2 ( 336, 1 )	29.7 ( 335, 1 )	28.9 ( 335, 1 )	26.0 ( 335, 1 )	23.2 ( 335, 1 )	
100.0 /	23.8 ( 40, 1 )	28.7 ( 55, 1 )	28.5 ( 55, 1 )	26.0 ( 55, 1 )	23.5 ( 55, 1 )	
90.0 /	26.0 ( 55, 1 )	32.6 ( 55, 1 )	32.6 ( 55, 1 )	29.7 ( 55, 1 )	27.4 ( 316, 1 )	
80.0 /	37.9 ( 316, 1 )	36.4 ( 316, 1 )	31.9 ( 316, 1 )	27.1 ( 316, 1 )	23.1 ( 316, 1 )	
70.0 /	41.6 ( 75, 1 )	46.5 ( 89, 1 )	40.4 ( 89, 1 )	34.6 ( 89, 1 )	30.2 ( 89, 1 )	
60.0 /	43.8 ( 89, 1 )	55.7 ( 88, 1 )	50.7 ( 88, 1 )	44.5 ( 88, 1 )	39.2 ( 88, 1 )	
50.0 /	26.3 ( 31, 1 )	24.5 ( 89, 1 )	26.5 ( 280, 1 )	25.5 ( 280, 1 )	23.6 ( 280, 1 )	
40.0 /	34.6 ( 47, 1 )	36.1 ( 47, 1 )	32.4 ( 47, 1 )	30.3 ( 39, 1 )	26.7 ( 39, 1 )	
30.0 /	21.9 ( 342, 1 )	20.6 ( 342, 1 )	17.5 ( 342, 1 )	15.5 ( 88, 1 )	14.3 ( 88, 1 )	
20.0 /	15.2 ( 71, 1 )	15.2 ( 39, 1 )	16.6 ( 39, 1 )	14.8 ( 47, 1 )	14.7 ( 34, 1 )	
10.0 /	28.3 ( 47, 1 )	30.2 ( 83, 1 )	26.8 ( 75, 1 )	24.9 ( 47, 1 )	21.7 ( 47, 1 )	

## \*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

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## COMPOSITE SECOND-HIGHEST 24-HOUR CONCENTRATION TABLE, UG/CU.M, FOR SOURCE GROUP 2

\* FOR THE RECEPTOR GRID \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	52.4	59.0	53.5	48.4	43.2	
350.0 /	48.7	49.8	45.3	39.8	35.5	
340.0 /	57.6	66.8	65.5	60.3	55.6	
330.0 /	59.1	58.0	55.3	49.9	44.8	
320.0 /	69.5	74.4	69.8	62.7	56.3	
310.0 /	78.9	85.9	80.0	70.5	61.7	
300.0 /	66.7	76.4	80.0	78.0	75.8	
290.0 /	62.9	87.7	95.4	91.6	85.8	
280.0 /	52.8	60.0	57.9	53.8	49.0	
270.0 /	72.9	95.7	95.0	81.8	72.2	
260.0 /	93.0	105.5	100.0	87.3	75.6	
250.0 /	101.7	103.0	95.9	67.6	80.6	
240.0 /	94.1	<u>108.7</u>	97.6	81.8	68.9	
230.0 /	87.0	98.4	91.7	80.0	69.2	
220.0 /	89.4	94.8	85.3	73.2	62.8	
210.0 /	61.4	62.4	56.6	50.0	43.3	
200.0 /	43.7	51.9	50.3	44.9	39.5	
190.0 /	31.4	32.9	30.2	27.1	24.0	
180.0 /	43.3	42.1	37.7	34.2	29.1	
170.0 /	44.1	46.3	46.7	42.9	36.8	
160.0 /	41.3	47.5	45.4	45.8	45.2	
150.0 /	33.9	40.9	43.4	46.8	47.1	
140.0 /	58.9	73.0	64.0	54.8	49.9	
130.0 /	53.6	65.5	66.3	61.4	55.0	
120.0 /	44.4	56.8	55.4	50.7	46.3	
110.0 /	48.2	56.8	54.4	48.3	42.4	
100.0 /	44.7	47.2	43.7	42.0	39.8	
90.0 /	33.5	41.3	41.0	36.9	32.8	
80.0 /	37.9	36.4	31.9	28.4	25.2	
70.0 /	41.6	46.5	40.4	34.6	30.2	
60.0 /	45.8	55.7	50.7	44.5	39.2	
50.0 /	38.3	40.2	39.5	35.5	31.5	
40.0 /	36.1	36.1	32.4	30.3	26.7	
30.0 /	31.4	30.4	29.0	25.6	25.8	
20.0 /	28.2	32.4	32.0	29.3	26.8	
10.0 /	37.1	37.4	32.3	30.4	28.6	

1-N-1-DAY  
183 DAYS  
SGROUP# 3  
YEAR 1970  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 6,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 1.7 AND OCCURRED AT ( 1000.0, 250.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0	RANGE (METERS)
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360.0 /	0.2	0.3	0.3	0.3	0.3	0.3
350.0 /	0.3	0.3	0.4	0.3	0.3	0.3
340.0 /	0.5	0.6	0.6	0.6	0.6	0.6
330.0 /	0.4	0.5	0.5	0.5	0.5	0.5
320.0 /	0.5	0.7	0.7	0.7	0.7	0.7
310.0 /	0.6	0.8	0.8	0.8	0.7	0.7
300.0 /	0.5	0.7	0.7	0.6	0.6	0.6
290.0 /	0.5	0.7	0.7	0.7	0.6	0.6
280.0 /	0.5	0.7	0.7	0.6	0.6	0.6
270.0 /	0.6	0.8	0.9	0.9	0.9	0.9
260.0 /	0.9	1.3	1.4	1.3	1.2	1.2
250.0 /	1.0	1.5	1.7	1.6	1.5	1.5
240.0 /	0.9	1.1	1.1	1.0	0.9	0.9
230.0 /	0.6	0.8	0.9	0.8	0.7	0.7
220.0 /	0.5	0.6	0.6	0.6	0.5	0.5
210.0 /	0.3	0.4	0.4	0.3	0.3	0.3
200.0 /	0.2	0.2	0.3	0.2	0.2	0.2
190.0 /	0.1	0.2	0.3	0.3	0.2	0.2
180.0 /	0.2	0.3	0.4	0.4	0.4	0.4
170.0 /	0.3	0.5	0.5	0.5	0.5	0.5
160.0 /	0.3	0.6	0.7	0.7	0.6	0.6
150.0 /	0.4	0.6	0.8	0.8	0.7	0.7
140.0 /	0.5	0.8	1.0	1.0	1.0	1.0
130.0 /	0.5	0.8	0.9	0.9	0.9	0.9
120.0 /	0.5	0.7	0.8	0.8	0.7	0.7
110.0 /	0.3	0.5	0.6	0.6	0.6	0.6
100.0 /	0.2	0.3	0.3	0.3	0.3	0.3
90.0 /	0.2	0.2	0.3	0.3	0.3	0.3
80.0 /	0.2	0.2	0.2	0.2	0.2	0.2
70.0 /	0.3	0.3	0.3	0.3	0.3	0.3
60.0 /	0.3	0.4	0.4	0.4	0.4	0.4
50.0 /	0.2	0.3	0.3	0.3	0.3	0.3
40.0 /	0.2	0.2	0.2	0.2	0.2	0.2
30.0 /	0.1	0.1	0.1	0.1	0.1	0.1
20.0 /	0.1	0.2	0.2	0.2	0.2	0.2
10.0 /	0.1	0.2	0.2	0.2	0.2	0.2

183-DAY  
183 DAYS  
SGROUP# 3  
YEAR 1971  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* FROM SOURCES: 6  
\* FOR THE RECEPTOR GRID 4

\* MAXIMUM VALUE EQUALS 1.8 AND OCCURRED AT { 1000.0, 250.0 } \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0
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360.0 /	0.2	0.2	0.3	0.3	0.3
350.0 /	0.3	0.4	0.5	0.5	0.4
340.0 /	0.5	0.6	0.7	0.6	0.6
330.0 /	0.6	0.8	0.8	0.8	0.7
320.0 /	0.7	1.0	1.0	1.0	0.9
310.0 /	0.7	1.0	1.0	1.0	0.9
300.0 /	0.7	0.8	0.8	0.8	0.7
290.0 /	0.6	0.8	0.8	0.8	0.7
280.0 /	0.7	0.9	1.0	0.9	0.9
270.0 /	0.8	1.2	1.3	1.2	1.2
260.0 /	1.1	1.5	1.6	1.5	1.4
250.0 /	1.3	1.7	1.8	1.6	1.5
240.0 /	1.0	1.4	1.4	1.3	1.1
230.0 /	0.6	0.7	0.7	0.6	0.6
220.0 /	0.3	0.4	0.4	0.4	0.4
210.0 /	0.2	0.3	0.3	0.3	0.3
200.0 /	0.1	0.2	0.2	0.2	0.2
190.0 /	0.2	0.2	0.3	0.2	0.2
180.0 /	0.2	0.3	0.3	0.3	0.3
170.0 /	0.2	0.3	0.4	0.4	0.3
160.0 /	0.2	0.3	0.3	0.3	0.3
150.0 /	0.2	0.3	0.4	0.4	0.4
140.0 /	0.3	0.6	0.7	0.7	0.7
130.0 /	0.3	0.5	0.7	0.7	0.7
120.0 /	0.2	0.4	0.4	0.5	0.4
110.0 /	0.2	0.3	0.3	0.3	0.3
100.0 /	0.1	0.2	0.2	0.2	0.2
90.0 /	0.2	0.2	0.2	0.2	0.2
80.0 /	0.2	0.3	0.3	0.2	0.2
70.0 /	0.2	0.3	0.3	0.2	0.2
60.0 /	0.2	0.2	0.2	0.2	0.2
50.0 /	0.2	0.2	0.2	0.2	0.2
40.0 /	0.2	0.2	0.2	0.2	0.2
30.0 /	0.2	0.2	0.2	0.2	0.2
20.0 /	0.1	0.2	0.2	0.2	0.2
10.0 /	0.1	0.2	0.2	0.2	0.2

INT-DAY  
184 DAYS  
SGROUP# 3  
YEAR 1972  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* 184-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES; 6,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 1.5 AND OCCURRED AT ( 1000.0, 260.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	RANGE (METERS) 1400.0
360.0 /	0.3	0.5	0.5	0.5	0.5
350.0 /	0.3	0.4	0.5	0.5	0.4
340.0 /	0.5	0.6	0.6	0.6	0.5
330.0 /	0.6	0.7	0.8	0.7	0.7
320.0 /	0.6	0.8	0.8	0.7	0.7
310.0 /	0.7	0.8	0.9	0.8	0.8
300.0 /	0.8	1.0	1.0	0.9	0.8
290.0 /	0.8	1.0	1.1	1.1	1.0
280.0 /	0.8	1.0	1.1	1.1	1.0
270.0 /	0.8	1.2	1.4	1.4	1.3
260.0 /	1.0	1.4	1.5	1.5	1.4
250.0 /	0.9	1.3	1.3	1.3	1.2
240.0 /	0.7	1.0	1.1	1.0	1.0
230.0 /	0.7	1.0	1.0	1.0	0.9
220.0 /	0.5	0.7	0.7	0.6	0.6
210.0 /	0.2	0.3	0.4	0.3	0.3
200.0 /	0.1	0.2	0.3	0.2	0.2
190.0 /	0.1	0.2	0.2	0.2	0.2
180.0 /	0.2	0.3	0.3	0.3	0.3
170.0 /	0.2	0.4	0.4	0.4	0.4
160.0 /	0.2	0.4	0.5	0.5	0.5
150.0 /	0.3	0.4	0.5	0.5	0.4
140.0 /	0.3	0.5	0.6	0.7	0.6
130.0 /	0.3	0.5	0.5	0.6	0.5
120.0 /	0.3	0.4	0.5	0.5	0.5
110.0 /	0.2	0.3	0.4	0.4	0.4
100.0 /	0.2	0.3	0.3	0.3	0.3
90.0 /	0.2	0.2	0.2	0.2	0.2
80.0 /	0.1	0.2	0.2	0.2	0.2
70.0 /	0.2	0.2	0.3	0.3	0.3
60.0 /	0.3	0.3	0.3	0.3	0.3
50.0 /	0.3	0.4	0.4	0.4	0.4
40.0 /	0.3	0.3	0.4	0.4	0.4
30.0 /	0.2	0.3	0.3	0.3	0.3
20.0 /	0.2	0.3	0.3	0.3	0.3
10.0 /	0.2	0.3	0.3	0.3	0.3

183-DAY  
183 DAYS  
SGROUP# 3  
YEAR 1973

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

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\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES; 6,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 1.6 AND OCCURRED AT ( 1000,0, 250,0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0
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360.0 /	0.2	0.3	0.3	0.3	0.2
350.0 /	0.3	0.4	0.4	0.4	0.4
340.0 /	0.4	0.5	0.5	0.5	0.5
330.0 /	0.6	0.7	0.8	0.7	0.7
320.0 /	0.9	1.2	1.2	1.2	1.1
310.0 /	1.0	1.2	1.2	1.1	1.1
300.0 /	1.0	1.2	1.3	1.2	1.1
290.0 /	0.9	1.1	1.1	1.0	0.9
280.0 /	0.8	0.9	0.9	0.9	0.8
270.0 /	0.8	1.1	1.2	1.2	1.1
260.0 /	0.9	1.3	1.4	1.4	1.3
250.0 /	1.0	1.4	1.6	1.5	1.4
240.0 /	0.9	1.3	1.3	1.2	1.1
230.0 /	0.6	0.8	0.8	0.7	0.7
220.0 /	0.4	0.6	0.7	0.6	0.6
210.0 /	0.4	0.5	0.5	0.5	0.4
200.0 /	0.2	0.3	0.3	0.3	0.2
190.0 /	0.1	0.2	0.2	0.2	0.2
180.0 /	0.2	0.3	0.4	0.4	0.3
170.0 /	0.2	0.3	0.4	0.4	0.4
160.0 /	0.2	0.4	0.5	0.5	0.5
150.0 /	0.3	0.5	0.6	0.6	0.6
140.0 /	0.4	0.6	0.7	0.7	0.7
130.0 /	0.3	0.6	0.7	0.7	0.7
120.0 /	0.3	0.6	0.7	0.7	0.7
110.0 /	0.2	0.3	0.4	0.4	0.4
100.0 /	0.2	0.3	0.3	0.3	0.3
90.0 /	0.1	0.2	0.2	0.2	0.2
80.0 /	0.1	0.2	0.2	0.2	0.2
70.0 /	0.2	0.2	0.2	0.2	0.2
60.0 /	0.1	0.1	0.2	0.1	0.1
50.0 /	0.1	0.2	0.2	0.2	0.2
40.0 /	0.1	0.1	0.1	0.1	0.1
30.0 /	0.1	0.1	0.1	0.1	0.1
20.0 /	0.2	0.2	0.2	0.2	0.2
10.0 /	0.2	0.2	0.2	0.2	0.2

1 INI-DAY  
183 DAYS  
SGROUP# 3  
YEAR 1974  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* 183-DAY AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 6  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 1.6 AND OCCURRED AT { 1000.0, 260.0 } \*

DIRECTION / RANGE (METERS)  
(DEGREES) / 600.0 800.0 1000.0 1200.0 1400.0

360.0 /	0.2	0.3	0.3	0.3	0.3
350.0 /	0.2	0.3	0.3	0.3	0.3
340.0 /	0.4	0.4	0.4	0.4	0.4
330.0 /	0.5	0.6	0.6	0.6	0.5
320.0 /	0.6	0.8	0.8	0.8	0.7
310.0 /	0.7	0.8	0.8	0.8	0.7
300.0 /	0.7	0.9	0.9	0.8	0.8
290.0 /	0.7	0.9	0.9	0.9	0.9
280.0 /	0.8	1.0	1.1	1.0	0.9
270.0 /	0.9	1.3	1.5	1.5	1.4
260.0 /	1.1	1.5	1.6	1.5	1.4
250.0 /	1.0	1.5	1.6	1.5	1.4
240.0 /	1.0	1.4	1.5	1.4	1.3
230.0 /	0.9	1.2	1.3	1.2	1.1
220.0 /	0.6	0.9	0.9	0.8	0.7
210.0 /	0.4	0.5	0.5	0.5	0.4
200.0 /	0.3	0.4	0.5	0.4	0.4
190.0 /	0.2	0.3	0.3	0.3	0.3
180.0 /	0.3	0.4	0.4	0.4	0.4
170.0 /	0.2	0.3	0.3	0.3	0.3
160.0 /	0.2	0.3	0.4	0.4	0.4
150.0 /	0.2	0.4	0.4	0.4	0.4
140.0 /	0.3	0.5	0.7	0.7	0.7
130.0 /	0.2	0.4	0.5	0.6	0.6
120.0 /	0.2	0.2	0.3	0.3	0.3
110.0 /	0.2	0.2	0.3	0.3	0.3
100.0 /	0.2	0.2	0.2	0.2	0.2
90.0 /	0.2	0.2	0.2	0.2	0.2
80.0 /	0.2	0.2	0.2	0.2	0.2
70.0 /	0.2	0.3	0.3	0.2	0.2
60.0 /	0.2	0.3	0.3	0.3	0.3
50.0 /	0.2	0.2	0.2	0.2	0.2
40.0 /	0.2	0.2	0.2	0.2	0.2
30.0 /	0.1	0.2	0.2	0.2	0.1
20.0 /	0.1	0.1	0.1	0.1	0.1
10.0 /	0.2	0.2	0.2	0.2	0.2

2ND HIGH

24-HR

SGROUP# 3

YEAR 1970

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 6,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 16.1 AND OCCURRED AT ( 1000.0, 250.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	3.9 ( 87, 1 )	4.1 ( 64, 1 )	4.3 ( 64, 1 )	4.3 ( 71, 1 )	4.1 ( 34, 1 )	
350.0 /	6.2 ( 87, 1 )	6.9 ( 87, 1 )	6.7 ( 87, 1 )	6.2 ( 87, 1 )	5.7 ( 87, 1 )	
340.0 /	7.0 ( 64, 1 )	9.4 ( 47, 1 )	10.0 ( 47, 1 )	9.6 ( 47, 1 )	9.1 ( 47, 1 )	
330.0 /	5.0 ( 356, 1 )	7.6 ( 77, 1 )	7.4 ( 33, 1 )	6.5 ( 294, 1 )	6.3 ( 294, 1 )	
320.0 /	5.9 ( 79, 1 )	9.1 ( 90, 1 )	9.0 ( 90, 1 )	8.3 ( 90, 1 )	7.5 ( 90, 1 )	
310.0 /	8.0 ( 63, 1 )	9.5 ( 63, 1 )	10.0 ( 293, 1 )	9.7 ( 293, 1 )	9.2 ( 29, 1 )	
300.0 /	5.9 ( 78, 1 )	5.9 ( 355, 1 )	6.7 ( 355, 1 )	6.6 ( 355, 1 )	6.3 ( 355, 1 )	
290.0 /	4.6 ( 46, 1 )	6.7 ( 62, 1 )	7.4 ( 293, 1 )	6.3 ( 293, 1 )	5.7 ( 303, 1 )	
280.0 /	5.0 ( 303, 1 )	6.3 ( 303, 1 )	5.9 ( 303, 1 )	4.9 ( 66, 1 )	4.3 ( 66, 1 )	
270.0 /	7.2 ( 61, 1 )	9.6 ( 61, 1 )	9.6 ( 61, 1 )	9.0 ( 59, 1 )	8.7 ( 59, 1 )	
260.0 /	7.4 ( 60, 1 )	10.2 ( 345, 1 )	10.8 ( 345, 1 )	10.4 ( 292, 1 )	10.0 ( 280, 1 )	
250.0 /	10.6 ( 291, 1 )	13.2 ( 342, 1 )	16.1 ( 342, 1 )	14.1 ( 280, 1 )	13.0 ( 331, 1 )	
240.0 /	10.0 ( 280, 1 )	10.9 ( 280, 1 )	10.6 ( 285, 1 )	10.0 ( 342, 1 )	9.1 ( 285, 1 )	
230.0 /	5.2 ( 283, 1 )	7.7 ( 285, 1 )	8.7 ( 278, 1 )	8.8 ( 278, 1 )	8.5 ( 278, 1 )	
220.0 /	5.9 ( 274, 1 )	7.0 ( 278, 1 )	7.2 ( 290, 1 )	6.7 ( 277, 1 )	6.2 ( 277, 1 )	
210.0 /	3.7 ( 58, 1 )	5.0 ( 58, 1 )	4.8 ( 58, 1 )	4.1 ( 58, 1 )	3.4 ( 58, 1 )	
200.0 /	2.8 ( 58, 1 )	3.7 ( 322, 1 )	4.1 ( 322, 1 )	3.9 ( 322, 1 )	3.5 ( 304, 1 )	
190.0 /	1.9 ( 58, 1 )	3.2 ( 75, 1 )	3.3 ( 75, 1 )	3.5 ( 2, 1 )	3.3 ( 39, 1 )	
180.0 /	2.4 ( 75, 1 )	3.9 ( 300, 1 )	5.1 ( 300, 1 )	5.2 ( 300, 1 )	5.0 ( 300, 1 )	
170.0 /	3.3 ( 305, 1 )	4.7 ( 52, 1 )	5.6 ( 52, 1 )	5.4 ( 52, 1 )	5.1 ( 24, 1 )	
160.0 /	2.9 ( 22, 1 )	4.1 ( 57, 1 )	5.4 ( 57, 1 )	5.7 ( 57, 1 )	5.6 ( 57, 1 )	
150.0 /	3.3 ( 361, 1 )	5.4 ( 35, 1 )	6.4 ( 35, 1 )	6.2 ( 35, 1 )	5.6 ( 35, 1 )	
140.0 /	4.5 ( 340, 1 )	6.7 ( 7, 1 )	8.3 ( 320, 1 )	8.5 ( 328, 1 )	7.5 ( 309, 1 )	
130.0 /	4.7 ( 299, 1 )	5.6 ( 7, 1 )	7.7 ( 8, 1 )	8.1 ( 7, 1 )	8.0 ( 7, 1 )	
120.0 /	5.9 ( 20, 1 )	7.5 ( 20, 1 )	7.5 ( 319, 1 )	7.6 ( 319, 1 )	7.1 ( 319, 1 )	
110.0 /	4.4 ( 72, 1 )	7.0 ( 72, 1 )	8.1 ( 72, 1 )	7.7 ( 41, 1 )	7.2 ( 41, 1 )	
100.0 /	2.1 ( 1, 1 )	3.8 ( 68, 1 )	4.6 ( 68, 1 )	4.6 ( 68, 1 )	4.4 ( 68, 1 )	
90.0 /	3.5 ( 48, 1 )	3.3 ( 298, 1 )	4.2 ( 19, 1 )	4.4 ( 48, 1 )	3.8 ( 48, 1 )	
80.0 /	4.1 ( 1, 1 )	4.7 ( 1, 1 )	4.5 ( 68, 1 )	4.3 ( 68, 1 )	4.0 ( 68, 1 )	
70.0 /	4.5 ( 359, 1 )	4.7 ( 40, 1 )	4.1 ( 81, 1 )	3.6 ( 81, 1 )	3.1 ( 81, 1 )	
60.0 /	5.0 ( 297, 1 )	4.5 ( 297, 1 )	5.0 ( 327, 1 )	4.5 ( 327, 1 )	4.1 ( 327, 1 )	
50.0 /	3.5 ( 26, 1 )	5.0 ( 56, 1 )	4.6 ( 26, 1 )	4.4 ( 40, 1 )	4.2 ( 40, 1 )	
40.0 /	3.4 ( 1, 1 )	3.6 ( 81, 1 )	3.5 ( 61, 1 )	3.2 ( 81, 1 )	2.9 ( 81, 1 )	
30.0 /	2.2 ( 50, 1 )	2.6 ( 359, 1 )	2.2 ( 50, 1 )	1.9 ( 50, 1 )	1.9 ( 23, 1 )	
20.0 /	2.7 ( 56, 1 )	3.5 ( 56, 1 )	3.7 ( 56, 1 )	3.5 ( 56, 1 )	3.2 ( 56, 1 )	
10.0 /	2.4 ( 81, 1 )	2.6 ( 318, 1 )	2.7 ( 318, 1 )	2.5 ( 318, 1 )	2.5 ( 34, 1 )	

2ND HIGH

24-HR

SGROUP# 3

YEAR 1971

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 6,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 17.7 AND OCCURRED AT { 800.0, 250.0 } \*

DIRECTION / (DEGREES) /	RANGE (METERS)				
	600.0	800.0	1000.0	1200.0	1400.0
360.0 /	2.7 (307, 1)	3.0 (307, 1)	3.3 (307, 1)	3.3 (307, 1)	3.2 (307, 1)
350.0 /	4.0 (38, 1)	5.5 (38, 1)	5.8 (38, 1)	5.6 (38, 1)	5.3 (38, 1)
340.0 /	7.2 (38, 1)	9.2 (38, 1)	9.3 (38, 1)	8.5 (38, 1)	7.7 (38, 1)
330.0 /	6.0 (53, 1)	7.3 (36, 1)	7.7 (36, 1)	7.4 (36, 1)	6.9 (36, 1)
320.0 /	6.6 (36, 1)	9.1 (51, 1)	9.9 (51, 1)	9.5 (51, 1)	8.8 (51, 1)
310.0 /	6.3 (36, 1)	8.8 (52, 1)	9.9 (52, 1)	9.7 (52, 1)	9.2 (52, 1)
300.0 /	5.2 (4, 1)	6.3 (340, 1)	6.4 (4, 1)	6.3 (348, 1)	6.1 (340, 1)
290.0 /	4.4 (35, 1)	6.3 (348, 1)	7.1 (348, 1)	6.9 (348, 1)	6.5 (348, 1)
280.0 /	5.7 (34, 1)	6.8 (34, 1)	7.5 (323, 1)	6.8 (35, 1)	6.2 (362, 1)
270.0 /	5.6 (289, 1)	7.5 (91, 1)	10.0 (91, 1)	10.7 (91, 1)	10.6 (91, 1)
260.0 /	8.1 (327, 1)	11.7 (3, 1)	11.8 (3, 1)	11.0 (319, 1)	10.1 (319, 1)
250.0 /	13.6 (319, 1)	17.7 (319, 1)	16.8 (319, 1)	15.8 (48, 1)	13.5 (320, 1)
240.0 /	10.3 (33, 1)	14.2 (309, 1)	15.6 (321, 1)	13.3 (321, 1)	11.1 (321, 1)
230.0 /	6.5 (309, 1)	7.1 (359, 1)	7.5 (359, 1)	6.9 (359, 1)	6.0 (33, 1)
220.0 /	5.0 (357, 1)	5.0 (317, 1)	4.7 (326, 1)	5.2 (326, 1)	4.7 (312, 1)
210.0 /	2.2 (13, 1)	3.5 (29, 1)	4.2 (68, 1)	4.1 (90, 1)	3.7 (90, 1)
200.0 /	2.8 (80, 1)	3.7 (352, 1)	4.0 (352, 1)	3.8 (352, 1)	3.4 (352, 1)
190.0 /	2.9 (76, 1)	4.1 (76, 1)	4.5 (76, 1)	4.3 (76, 1)	3.9 (7, 1)
180.0 /	3.4 (352, 1)	5.5 (352, 1)	5.9 (352, 1)	5.5 (352, 1)	4.9 (352, 1)
170.0 /	4.2 (300, 1)	5.7 (329, 1)	6.3 (329, 1)	5.9 (329, 1)	5.3 (329, 1)
160.0 /	2.7 (317, 1)	4.2 (300, 1)	4.8 (314, 1)	4.8 (314, 1)	4.5 (314, 1)
150.0 /	3.0 (292, 1)	3.6 (16, 1)	4.3 (20, 1)	4.3 (20, 1)	4.0 (20, 1)
140.0 /	4.0 (89, 1)	6.3 (89, 1)	7.9 (20, 1)	7.9 (20, 1)	7.3 (20, 1)
130.0 /	4.5 (63, 1)	8.3 (63, 1)	9.3 (19, 1)	9.2 (20, 1)	8.9 (63, 1)
120.0 /	3.4 (17, 1)	5.6 (63, 1)	6.5 (63, 1)	6.3 (63, 1)	5.9 (66, 1)
110.0 /	3.4 (79, 1)	3.7 (295, 1)	4.4 (39, 1)	4.8 (79, 1)	4.4 (79, 1)
100.0 /	2.8 (298, 1)	3.3 (298, 1)	3.4 (298, 1)	3.2 (298, 1)	3.0 (298, 1)
90.0 /	3.7 (17, 1)	5.4 (15, 1)	6.1 (15, 1)	5.9 (15, 1)	5.5 (15, 1)
80.0 /	5.6 (85, 1)	5.3 (15, 1)	4.6 (82, 1)	3.8 (82, 1)	3.6 (31, 1)
70.0 /	5.2 (65, 1)	4.9 (82, 1)	4.5 (82, 1)	3.9 (82, 1)	3.4 (82, 1)
60.0 /	4.9 (75, 1)	4.7 (324, 1)	3.9 (324, 1)	3.6 (39, 1)	3.4 (75, 1)
50.0 /	2.6 (62, 1)	3.0 (324, 1)	3.6 (44, 1)	3.7 (44, 1)	3.6 (44, 1)
40.0 /	4.1 (283, 1)	5.1 (283, 1)	4.9 (283, 1)	4.5 (283, 1)	4.1 (283, 1)
30.0 /	2.6 (62, 1)	3.3 (62, 1)	3.3 (85, 1)	3.0 (62, 1)	2.7 (62, 1)
20.0 /	2.8 (66, 1)	4.0 (66, 1)	4.9 (285, 1)	4.4 (285, 1)	4.0 (66, 1)
10.0 /	3.9 (285, 1)	5.1 (283, 1)	5.4 (39, 1)	4.7 (39, 1)	4.1 (39, 1)

2ND HIGH

24-HR

SGROUP# 3

YEAR 1972

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\*\*\*

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 6,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 14.9 AND OCCURRED AT ( 1000.0, 240.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	5.5 (330, 1)	7.6 (357, 1)	8.4 (356, 1)	7.6 (356, 1)	6.8 (356, 1)	
350.0 /	4.6 (330, 1)	6.1 (330, 1)	6.4 (330, 1)	6.1 (330, 1)	5.7 (330, 1)	
340.0 /	5.5 (13, 1)	6.6 (13, 1)	6.6 (13, 1)	6.2 (13, 1)	5.5 (356, 1)	
330.0 /	6.8 (62, 1)	8.4 (11, 1)	8.6 (11, 1)	8.0 (11, 1)	7.3 (11, 1)	
320.0 /	6.1 (55, 1)	7.8 (366, 1)	8.5 (366, 1)	8.2 (366, 1)	7.6 (366, 1)	
310.0 /	6.9 (366, 1)	8.1 (301, 1)	7.7 (301, 1)	7.3 (349, 1)	7.1 (349, 1)	
300.0 /	7.0 (333, 1)	7.9 (349, 1)	9.3 (365, 1)	9.2 (365, 1)	8.8 (365, 1)	
290.0 /	7.0 (58, 1)	8.6 (308, 1)	9.1 (308, 1)	8.9 (307, 1)	9.5 (307, 1)	
280.0 /	5.9 (60, 1)	7.3 (348, 1)	8.4 (348, 1)	7.6 (311, 1)	7.8 (348, 1)	
270.0 /	7.9 (297, 1)	9.6 (297, 1)	10.4 (343, 1)	10.0 (297, 1)	9.6 (297, 1)	
260.0 /	8.8 (345, 1)	12.6 (345, 1)	13.5 (345, 1)	12.6 (345, 1)	11.4 (345, 1)	
250.0 /	7.8 (8, 1)	11.2 (8, 1)	11.4 (8, 1)	10.2 (8, 1)	9.0 (8, 1)	
240.0 /	9.2 (306, 1)	14.1 (306, 1)	14.9 (306, 1)	13.5 (306, 1)	11.9 (306, 1)	
230.0 /	9.4 (294, 1)	10.9 (294, 1)	12.8 (71, 1)	11.2 (285, 1)	10.2 (287, 1)	
220.0 /	9.8 (286, 1)	12.2 (286, 1)	11.6 (286, 1)	10.1 (286, 1)	8.7 (286, 1)	
210.0 /	3.5 (71, 1)	5.3 (70, 1)	6.3 (70, 1)	6.2 (70, 1)	5.3 (286, 1)	
200.0 /	2.6 (69, 1)	4.7 (69, 1)	5.3 (69, 1)	5.1 (69, 1)	4.6 (69, 1)	
190.0 /	3.1 (59, 1)	4.3 (59, 1)	4.4 (59, 1)	4.3 (66, 1)	4.0 (279, 1)	
180.0 /	3.1 (86, 1)	4.4 (7, 1)	4.7 (16, 1)	4.2 (16, 1)	3.6 (16, 1)	
170.0 /	4.5 (326, 1)	6.8 (326, 1)	7.2 (351, 1)	6.6 (351, 1)	6.1 (66, 1)	
160.0 /	3.1 (15, 1)	6.5 (16, 1)	7.4 (16, 1)	7.0 (16, 1)	6.3 (16, 1)	
150.0 /	4.5 (322, 1)	5.4 (280, 1)	4.8 (16, 1)	4.6 (16, 1)	4.1 (16, 1)	
140.0 /	4.8 (322, 1)	8.4 (328, 1)	10.8 (328, 1)	9.7 (280, 1)	8.2 (280, 1)	
130.0 /	4.0 (51, 1)	6.0 (327, 1)	7.8 (51, 1)	7.6 (51, 1)	7.2 (51, 1)	
120.0 /	2.9 (281, 1)	4.7 (50, 1)	5.3 (327, 1)	5.8 (77, 1)	5.0 (331, 1)	
110.0 /	4.8 (282, 1)	6.2 (282, 1)	5.9 (282, 1)	5.0 (282, 1)	4.8 (281, 1)	
100.0 /	4.2 (44, 1)	6.0 (50, 1)	6.4 (50, 1)	6.2 (50, 1)	5.8 (50, 1)	
90.0 /	3.4 (283, 1)	3.3 (283, 1)	3.5 (49, 1)	3.4 (358, 1)	3.1 (358, 1)	
80.0 /	2.1 (283, 1)	2.5 (48, 1)	2.7 (48, 1)	2.7 (44, 1)	2.5 (282, 1)	
70.0 /	3.1 (275, 1)	3.2 (77, 1)	3.2 (48, 1)	3.1 (48, 1)	2.9 (48, 1)	
60.0 /	4.8 (6, 1)	4.9 (275, 1)	4.4 (78, 1)	4.1 (78, 1)	3.8 (78, 1)	
50.0 /	4.5 (82, 1)	5.2 (6, 1)	4.9 (82, 1)	4.7 (33, 1)	4.5 (33, 1)	
40.0 /	4.3 (6, 1)	4.9 (5, 1)	4.3 (302, 1)	4.0 (302, 1)	3.7 (302, 1)	
30.0 /	4.6 (5, 1)	4.6 (85, 1)	4.3 (33, 1)	4.0 (5, 1)	3.5 (5, 1)	
20.0 /	2.5 (41, 1)	3.3 (48, 1)	3.6 (48, 1)	3.6 (48, 1)	3.6 (48, 1)	
10.0 /	3.0 (357, 1)	3.4 (274, 1)	3.2 (302, 1)	3.2 (302, 1)	3.2 (335, 1)	

2ND HIGH.

24-HR

SGROUP# 3

YEAR 1973

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\*\*\*

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 6,

\* FOR THE RECEPTOR GRID :

\* MAXIMUM VALUE EQUALS 15.4 AND OCCURRED AT ( 1000.0, 260.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	2.8 (304, 1)	2.8 (304, 1)	3.4 ( 76, 1)	3.6 ( 76, 1)	3.5 ( 76, 1)	
350.0 /	4.4 ( 40, 1)	6.0 ( 91, 1)	6.3 ( 91, 1)	6.0 ( 91, 1)	5.5 ( 91, 1)	
340.0 /	4.5 ( 22, 1)	5.4 ( 22, 1)	5.5 ( 33, 1)	5.2 ( 40, 1)	4.6 ( 40, 1)	
330.0 /	7.2 (361, 1)	8.7 ( 84, 1)	7.9 ( 22, 1)	7.2 ( 22, 1)	6.5 ( 22, 1)	
320.0 /	8.5 ( 33, 1)	9.9 ( 329, 1)	10.5 ( 329, 1)	10.0 ( 329, 1)	9.4 ( 329, 1)	
310.0 /	8.7 ( 21, 1)	11.9 ( 90, 1)	12.4 ( 90, 1)	11.5 ( 90, 1)	10.4 ( 90, 1)	
300.0 /	8.6 (360, 1)	11.3 ( 359, 1)	11.8 ( 70, 1)	11.9 ( 70, 1)	10.8 ( 74, 1)	
290.0 /	8.5 ( 88, 1)	12.0 ( 88, 1)	12.2 ( 88, 1)	10.7 ( 88, 1)	10.3 ( 65, 1)	
280.0 /	6.0 ( 87, 1)	9.8 ( 87, 1)	11.3 ( 87, 1)	9.7 ( 32, 1)	7.8 ( 32, 1)	
270.0 /	6.4 ( 72, 1)	9.1 ( 64, 1)	8.5 ( 324, 1)	9.0 ( 324, 1)	9.1 ( 324, 1)	
260.0 /	8.9 (286, 1)	14.0 ( 286, 1)	15.4 ( 286, 1)	14.6 ( 286, 1)	13.3 ( 286, 1)	
250.0 /	8.1 (317, 1)	13.1 ( 317, 1)	14.5 ( 317, 1)	13.7 ( 317, 1)	12.5 ( 317, 1)	
240.0 /	8.9 (284, 1)	12.0 ( 284, 1)	12.0 ( 316, 1)	11.3 ( 316, 1)	10.3 ( 316, 1)	
230.0 /	5.0 (294, 1)	7.9 ( 294, 1)	8.5 ( 294, 1)	7.9 ( 294, 1)	7.1 ( 294, 1)	
220.0 /	8.0 (295, 1)	12.0 ( 295, 1)	13.7 ( 295, 1)	12.7 ( 295, 1)	11.4 ( 295, 1)	
210.0 /	8.6 (296, 1)	11.5 ( 295, 1)	11.1 ( 295, 1)	9.6 ( 295, 1)	8.2 ( 295, 1)	
200.0 /	9.1 (295, 1)	6.0 ( 295, 1)	6.2 ( 295, 1)	5.7 ( 295, 1)	5.1 ( 295, 1)	
190.0 /	2.7 (299, 1)	3.4 ( 299, 1)	3.4 ( 299, 1)	3.1 ( 299, 1)	2.7 ( 299, 1)	
180.0 /	2.3 (333, 1)	3.8 ( 81, 1)	4.4 ( 297, 1)	4.3 ( 297, 1)	3.9 ( 297, 1)	
170.0 /	2.3 (297, 1)	3.9 ( 297, 1)	4.4 ( 297, 1)	4.2 ( 297, 1)	4.0 ( 50, 1)	
160.0 /	2.8 ( 15, 1)	3.8 ( 9, 1)	4.6 ( 48, 1)	4.8 ( 48, 1)	4.9 ( 50, 1)	
150.0 /	4.2 ( 53, 1)	4.9 ( 53, 1)	4.6 ( 53, 1)	5.2 ( 11, 1)	5.7 ( 297, 1)	
140.0 /	6.0 ( 14, 1)	7.4 ( 14, 1)	7.5 ( 47, 1)	7.0 ( 14, 1)	6.7 ( 47, 1)	
130.0 /	3.4 ( 53, 1)	6.6 ( 42, 1)	8.4 ( 343, 1)	8.4 ( 343, 1)	8.1 ( 343, 1)	
120.0 /	4.4 ( 86, 1)	7.5 ( 12, 1)	8.7 ( 12, 1)	8.5 ( 12, 1)	7.9 ( 12, 1)	
110.0 /	3.4 ( 86, 1)	4.1 ( 351, 1)	4.7 ( 355, 1)	4.8 ( 351, 1)	4.5 ( 351, 1)	
100.0 /	3.3 ( 85, 1)	4.9 ( 41, 1)	5.5 ( 41, 1)	5.2 ( 41, 1)	4.7 ( 41, 1)	
90.0 /	3.6 ( 85, 1)	4.4 ( 356, 1)	4.6 ( 85, 1)	4.0 ( 85, 1)	3.9 ( 302, 1)	
80.0 /	4.6 ( 19, 1)	4.5 ( 41, 1)	4.1 ( 19, 1)	3.5 ( 19, 1)	3.0 ( 19, 1)	
70.0 /	4.4 ( 85, 1)	4.3 ( 85, 1)	3.5 ( 85, 1)	2.8 ( 80, 1)	2.5 ( 80, 1)	
60.0 /	1.9 ( 8, 1)	2.5 ( 8, 1)	2.5 ( 8, 1)	2.4 ( 8, 1)	2.3 ( 8, 1)	
50.0 /	3.4 ( 86, 1)	4.2 ( 80, 1)	4.2 ( 80, 1)	3.9 ( 348, 1)	3.4 ( 348, 1)	
40.0 /	2.4 ( 350, 1)	3.5 ( 348, 1)	3.8 ( 348, 1)	3.7 ( 348, 1)	3.5 ( 348, 1)	
30.0 /	2.9 (304, 1)	3.1 ( 80, 1)	3.6 ( 80, 1)	3.5 ( 350, 1)	3.1 ( 350, 1)	
20.0 /	3.0 (305, 1)	3.8 (304, 1)	4.1 ( 80, 1)	4.2 ( 305, 1)	3.9 ( 305, 1)	
10.0 /	2.4 ( 27, 1)	3.2 ( 23, 1)	3.5 ( 85, 1)	3.2 ( 85, 1)	2.9 ( 85, 1)	

2ND HIGH  
24-HR  
SGROUP# 3  
YEAR 1974  
\*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

\*\*\*

\* SECOND HIGHEST 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 6,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 15.6 AND OCCURRED AT ( 1000.0, 230.0 ) \*

DIRECTION / (DEGREES) /	600.0	800.0	1000.0	1200.0	1400.0
360.0 /	4.2 ( 50, 1 )	5.4 ( 53, 1 )	5.7 ( 53, 1 )	5.4 ( 53, 1 )	5.0 ( 53, 1 )
350.0 /	4.3 ( 38, 1 )	4.9 ( 30, 1 )	4.9 ( 50, 1 )	4.7 ( 50, 1 )	4.3 ( 50, 1 )
340.0 /	6.6 ( 38, 1 )	7.8 ( 38, 1 )	7.7 ( 38, 1 )	7.1 ( 38, 1 )	6.5 ( 38, 1 )
330.0 /	4.7 ( 9, 1 )	6.0 ( 9, 1 )	6.2 ( 9, 1 )	5.9 ( 9, 1 )	5.5 ( 9, 1 )
320.0 /	5.8 ( 28, 1 )	7.1 ( 28, 1 )	7.6 ( 78, 1 )	7.0 ( 78, 1 )	6.4 ( 78, 1 )
310.0 /	5.9 ( 44, 1 )	6.0 ( 11, 1 )	5.9 ( 11, 1 )	5.7 ( 1, 1 )	5.5 ( 1, 1 )
300.0 /	7.1 ( 85, 1 )	7.3 ( 329, 1 )	7.5 ( 27, 1 )	7.2 ( 27, 1 )	6.8 ( 27, 1 )
290.0 /	6.2 ( 68, 1 )	7.4 ( 288, 1 )	8.1 ( 68, 1 )	7.3 ( 68, 1 )	6.5 ( 68, 1 )
280.0 /	7.1 ( 86, 1 )	6.9 ( 23, 1 )	7.4 ( 23, 1 )	6.9 ( 23, 1 )	6.2 ( 63, 1 )
270.0 /	5.6 ( 361, 1 )	10.9 ( 361, 1 )	13.3 ( 361, 1 )	13.4 ( 361, 1 )	12.2 ( 74, 1 )
260.0 /	8.7 ( 357, 1 )	12.0 ( 321, 1 )	13.0 ( 74, 1 )	12.2 ( 320, 1 )	11.3 ( 320, 1 )
250.0 /	6.7 ( 328, 1 )	11.1 ( 287, 1 )	12.0 ( 287, 1 )	11.4 ( 287, 1 )	10.4 ( 287, 1 )
240.0 /	6.9 ( 303, 1 )	10.9 ( 285, 1 )	13.3 ( 285, 1 )	13.4 ( 285, 1 )	12.7 ( 285, 1 )
230.0 /	10.3 ( 285, 1 )	15.1 ( 285, 1 )	15.6 ( 285, 1 )	14.1 ( 285, 1 )	12.6 ( 284, 1 )
220.0 /	11.2 ( 277, 1 )	13.3 ( 277, 1 )	12.4 ( 277, 1 )	10.8 ( 283, 1 )	10.4 ( 283, 1 )
210.0 /	7.2 ( 276, 1 )	10.1 ( 277, 1 )	9.5 ( 277, 1 )	8.2 ( 277, 1 )	7.1 ( 275, 1 )
200.0 /	3.7 ( 274, 1 )	6.6 ( 274, 1 )	7.3 ( 274, 1 )	7.3 ( 283, 1 )	6.8 ( 283, 1 )
190.0 /	4.1 ( 276, 1 )	5.0 ( 276, 1 )	4.6 ( 276, 1 )	3.9 ( 276, 1 )	3.3 ( 276, 1 )
180.0 /	4.5 ( 344, 1 )	5.9 ( 344, 1 )	6.0 ( 332, 1 )	5.6 ( 332, 1 )	5.0 ( 332, 1 )
170.0 /	3.0 ( 292, 1 )	4.0 ( 311, 1 )	4.6 ( 311, 1 )	4.8 ( 313, 1 )	4.7 ( 313, 1 )
160.0 /	2.7 ( 339, 1 )	3.7 ( 339, 1 )	4.7 ( 313, 1 )	5.4 ( 313, 1 )	5.1 ( 325, 1 )
150.0 /	3.2 ( 311, 1 )	4.7 ( 41, 1 )	5.7 ( 317, 1 )	5.2 ( 317, 1 )	4.5 ( 343, 1 )
140.0 /	4.3 ( 338, 1 )	5.7 ( 56, 1 )	8.0 ( 56, 1 )	8.5 ( 56, 1 )	8.4 ( 56, 1 )
130.0 /	4.4 ( 330, 1 )	5.1 ( 76, 1 )	6.0 ( 41, 1 )	6.4 ( 40, 1 )	6.3 ( 40, 1 )
120.0 /	3.4 ( 316, 1 )	4.2 ( 316, 1 )	4.4 ( 76, 1 )	4.2 ( 76, 1 )	3.8 ( 76, 1 )
110.0 /	3.2 ( 40, 1 )	2.9 ( 363, 1 )	3.8 ( 53, 1 )	3.9 ( 53, 1 )	3.8 ( 53, 1 )
100.0 /	3.1 ( 335, 1 )	3.5 ( 335, 1 )	3.1 ( 335, 1 )	2.5 ( 335, 1 )	2.5 ( 40, 1 )
90.0 /	4.1 ( 89, 1 )	3.3 ( 88, 1 )	3.1 ( 88, 1 )	3.1 ( 55, 1 )	3.1 ( 55, 1 )
80.0 /	3.5 ( 71, 1 )	3.4 ( 335, 1 )	4.0 ( 335, 1 )	4.0 ( 335, 1 )	3.9 ( 335, 1 )
70.0 /	5.1 ( 75, 1 )	6.2 ( 89, 1 )	5.6 ( 280, 1 )	5.5 ( 280, 1 )	5.2 ( 280, 1 )
60.0 /	5.8 ( 39, 1 )	6.0 ( 89, 1 )	6.4 ( 280, 1 )	7.3 ( 280, 1 )	7.6 ( 280, 1 )
50.0 /	3.5 ( 79, 1 )	3.5 ( 79, 1 )	3.1 ( 89, 1 )	3.2 ( 89, 1 )	3.1 ( 89, 1 )
40.0 /	2.9 ( 39, 1 )	3.8 ( 39, 1 )	4.1 ( 39, 1 )	4.0 ( 39, 1 )	3.8 ( 39, 1 )
30.0 /	3.2 ( 342, 1 )	3.4 ( 342, 1 )	3.0 ( 342, 1 )	2.6 ( 342, 1 )	2.2 ( 342, 1 )
20.0 /	2.6 ( 47, 1 )	2.2 ( 53, 1 )	2.0 ( 53, 1 )	2.1 ( 39, 1 )	2.1 ( 39, 1 )
10.0 /	3.3 ( 47, 1 )	4.0 ( 47, 1 )	4.1 ( 47, 1 )	3.6 ( 83, 1 )	3.2 ( 75, 1 )

## \*\*\* OSCEOLA FIVE YEAR PARTICULATE D300

## \*\*\* COMPOSITE SECOND-HIGHEST 24-HOUR CONCENTRATION TABLE, ug/cu.m, FOR SOURCE GROUP 3

## \* FOR THE RECEPTOR GRID \*

DIRECTION / (DEGREES) /	600.0	800.0	RANGE (METERS)	1000.0	1200.0	1400.0
360.0 /	5.5	7.6		8.9	7.6	6.8
350.0 /	6.2	6.9		6.7	6.2	5.7
340.0 /	7.2	9.4		10.0	9.6	9.1
330.0 /	7.2	8.7		8.6	8.0	7.3
320.0 /	8.5	9.9		10.5	10.0	9.4
310.0 /	8.7	11.9		12.4	11.5	10.4
300.0 /	8.6	11.3		11.8	11.9	10.8
290.0 /	8.5	12.0		12.2	10.7	10.3
280.0 /	7.1	9.8		11.3	9.7	7.8
270.0 /	7.9	10.9		13.3	13.4	12.2
260.0 /	8.9	14.0		15.4	14.6	13.3
250.0 /	13.6	17.7		16.8	15.8	13.5
240.0 /	10.3	14.2		15.6	13.5	12.7
230.0 /	10.3	15.1		15.6	14.1	12.6
220.0 /	11.2	13.3		13.7	12.7	11.4
210.0 /	8.6	11.5		11.1	9.6	8.2
200.0 /	4.1	6.6		7.3	7.3	6.8
190.0 /	4.1	5.0		4.6	4.3	4.0
180.0 /	4.5	5.9		6.0	5.6	5.0
170.0 /	4.5	6.8		7.2	6.6	6.1
160.0 /	3.1	6.5		7.4	7.0	6.3
150.0 /	4.5	5.4		6.4	6.2	5.7
140.0 /	6.0	8.4		10.8	9.7	8.4
130.0 /	4.7	8.3		9.3	9.2	8.9
120.0 /	5.9	7.5		8.7	8.5	7.9
110.0 /	4.8	7.0		8.1	7.7	7.2
100.0 /	4.2	6.0		6.4	6.2	5.8
90.0 /	4.1	5.4		6.1	5.9	5.5
80.0 /	5.6	5.3		4.6	4.3	4.0
70.0 /	5.2	6.2		5.6	5.5	5.2
60.0 /	5.8	6.0		6.4	7.3	7.6
50.0 /	4.5	5.2		4.9	4.7	4.5
40.0 /	4.3	5.1		4.9	4.5	4.1
30.0 /	4.6	4.6		4.3	4.0	3.5
20.0 /	3.0	4.0		4.9	4.4	4.0
10.0 /	3.9	5.1		5.4	4.7	4.1

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D301

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CALCULATE (CONCENTRATION=1,DEPOSITION=2)	ISW(1) = 1
RECEPTOR GRID SYSTEM (RECTANGULAR=1 OR 3, POLAR=2 OR 4)	ISW(2) = 3
DISCRETE RECEPTOR SYSTEM (RECTANGULAR=1,POLAR=2)	ISW(3) = 1
TERRAIN ELEVATIONS ARE READ (YES=1,NO=0)	ISW(4) = 0
CALCULATIONS ARE WRITTEN TO TAPE (YES=1,NO=0)	ISW(5) = 0
LIST ALL INPUT DATA (NO=0,YES=1,MET DATA ALSO=2)	ISW(6) = 1
COMPUTE AVERAGE CONCENTRATION (OR TOTAL DEPOSITION) WITH THE FOLLOWING TIME PERIODS:	
HOURLY (YES=1,NO=0)	ISW(7) = 0
2-HOUR (YES=1,NO=0)	ISW(8) = 0
3-HOUR (YES=1,NO=0)	ISW(9) = 0
4-HOUR (YES=1,NO=0)	ISW(10) = 0
6-HOUR (YES=1,NO=0)	ISW(11) = 0
8-HOUR (YES=1,NO=0)	ISW(12) = 0
12-HOUR (YES=1,NO=0)	ISW(13) = 0
24-HOUR (YES=1,NO=0)	ISW(14) = 1
PRINT 'N'-DAY TABLE(S) (YES=1,NO=0)	ISW(15) = 0
PRINT THE FOLLOWING TYPES OF TABLES WHOSE TIME PERIODS ARE SPECIFIED BY ISW(7) THROUGH ISW(14):	
DAILY TABLES (YES=1,NO=0)	ISW(16) = 1
HIGHEST & SECOND HIGHEST TABLES (YES=1,NO=0)	ISW(17) = 0
MAXIMUM 50 TABLES (YES=1,NO=0)	ISW(18) = 0
METEOROLOGICAL DATA INPUT METHOD (PRE-PROCESSED=1,CARD=2)	ISW(19) = 1
RURAL-URBAN OPTION (RURAL=0,URBAN MODE 1=1,URBAN MODE 2=2)	ISW(20) = 0
WIND PROFILE EXPONENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(21) = 1
VERTICAL POT. TEMP. GRADIENT VALUES (DEFAULTS=1,USER ENTERS=2,3)	ISW(22) = 1
SCALE EMISSION RATES FOR ALL SOURCES (NO=0,YES>0)	ISW(23) = 0
PROGRAM CALCULATES FINAL PLUME RISE ONLY (YES=1,NO=2)	ISW(24) = 1
PROGRAM ADJUSTS ALL STACK HEIGHTS FOR DOWNWASH (YES=2,NO=1)	ISW(25) = 1
NUMBER OF INPUT SOURCES	NSOURC = 51
NUMBER OF SOURCE GROUPS (=0,ALL SOURCES)	NGROUP = 2
TIME PERIOD INTERVAL TO BE PRINTED (=0,ALL INTERVALS)	IPERD = 0
NUMBER OF X (RANGE) GRID VALUES	NXPNTS = 10
NUMBER OF Y (THETA) GRID VALUES	NPNTS = 10
NUMBER OF DISCRETE RECEPTORS	NXYWPT = 0
SOURCE EMISSION RATE UNITS CONVERSION FACTOR	TK = .10000E+07
ENTRAINMENT COEFFICIENT FOR UNSTABLE ATMOSPHERE	BETA1 = 0.600
ENTRAINMENT COEFFICIENT FOR STABLE ATMOSPHERE	BETA2 = 0.600
HEIGHT ABOVE GROUND AT WHICH WIND SPEED WAS MEASURED	ZR = 7.00 METERS
LOGICAL UNIT NUMBER OF METEOROLOGICAL DATA	IMET = 9
DECAY COEFFICIENT FOR PHYSICAL OR CHEMICAL DEPLETION DECAY	= 0.000000E+00
SURFACE STATION NO.	ISS = 12844
YEAR OF SURFACE DATA	ISY = 70
UPPER AIR STATION NO.	IUS = 12839
YEAR OF UPPER AIR DATA	IDY = 70
ALLOCATED DATA STORAGE	LIMIT = 43590 WORDS
REQUIRED DATA STORAGE FOR THIS PROBLEM RUN	MIMIT = 11385 WORDS

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D301

\*\*\* METEOROLOGICAL DAYS TO BE PROCESSED \*\*\*  
(I.F.E.I.)

\*\*\* NUMBER OF SOURCE NUMBERS REQUIRED TO DEFINE SOURCE GROUPS \*\*\*  
(NSOGRP)

49 29

\*\*\* SOURCE NUMBERS DEFINING SOURCE GROUPS \*\*\*  
(USOR)

1, -5, 11, -159, 2, -159,

\*\*\* UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES \*\*\*  
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

\*\*\* WIND PROFILE EXPONENTS \*\*\*

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D301

\*\*\* VERTICAL POTENTIAL TEMPERATURE GRADIENTS \*\*\*  
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY				
	1	2	3	4	5
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

\*\*\* X-COORDINATES OF RECTANGULAR GRID SYSTEM \*\*\*  
(METERS)

-1440., -1340., -1240., -1140., -1040., -940., -840., -740., -640., -540.,

\*\*\* Y-COORDINATES OF RECTANGULAR GRID SYSTEM \*\*\*  
(METERS)

-160., -60., 40., 140., 240., 340., 440., 540., 640., 740.,

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D301 \*\*\*

SOURCE # 1---BOILER #1 ONE STACK 46,800  
SOURCE # 2---BOILER #2 TWO STACKS 125,000  
SOURCE # 3---BOILER #3 ONE STACK 67,000  
SOURCE # 4---BOILER #4 ONE STACK 100,000  
SOURCE # 5---BOILER #5 TWO STACKS 125,000  
SOURCE # 6---BOILER #6 ONE STACK 150,000  
SOURCE # 11---SCGC BOILER #1 & #2 -- 2 STACKS EACH  
SOURCE # 12---SCGC BOILER #3 -- 1 STACK  
SOURCE # 13---SCGC BOILER #4 -- 1 STACK  
SOURCE # 14---SCGC BOILER #5 -- 2 STACKS  
SOURCE # 15---NEW SCGC BOILER, #8  
SOURCE # 16---SCGC BOILERS #6 & #7 -- BOTH INTO ONE S  
SOURCE # 101---FPL - RIVIERA 42-03  
SOURCE # 102---FPL - RIVIERA 42-04  
SOURCE # 103---LAKEWORTH UTIL 45-01  
SOURCE # 104---LAKEWORTH UTIL 45-04  
SOURCE # 109---GOOD SAMARITAN HOSP 90-02  
SOURCE # 110---GOOD SAMARITAN HOSP 90-03  
SOURCE # 111---GOOD SAMARITAN HOSP 90-04  
SOURCE # 113---GULF WESTERN 05-03  
SOURCE # 114---GULF WESTERN 05-04  
SOURCE # 115---GULF WESTERN 05-05  
SOURCE # 118---GULF WESTERN 05-09  
SOURCE # 119---GULF WESTERN 05-10  
SOURCE # 120---GULF WESTERN 05-11  
SOURCE # 121---GULF WESTERN 05-12  
SOURCE # 122---GULF WESTERN 05-13  
SOURCE # 132---FLA SUGAR REFIN 50-03  
SOURCE # 133---US SUGAR 61-01  
SOURCE # 134---US SUGAR 61-02  
SOURCE # 135---US SUGAR 61-03  
SOURCE # 137---US SUGAR 61-05  
SOURCE # 138---TALISMAN SUGAR 73-04  
SOURCE # 139---TALISMAN SUGAR 73-05  
SOURCE # 140---TALISMAN SUGAR 73-06  
SOURCE # 141---EVERGLADES SUGAR REFIN 01-01  
SOURCE # 144---EVERGLADES SUGAR REFIN 01-04  
SOURCE # 145---EVERGLADES SUGAR REFIN 01-05  
SOURCE # 146---EVERGLADES SUGAR REFIN 01-06  
SOURCE # 147---US SUGAR CLEW 03-01  
SOURCE # 148---US SUGAR CLEW 03-02  
SOURCE # 149---US SUGAR CLEW 03-03  
SOURCE # 150---US SUGAR CLEW 03-04  
SOURCE # 151---US SUGAR CLEW 03-05  
SOURCE # 153---US SUGAR CLEW 03-07  
SOURCE # 154---US SUGAR CLEW 03-08  
SOURCE # 155---ATLANTIC BOILER #1  
SOURCE # 156---ATLANTIC BOILER #2  
SOURCE # 157---ATLANTIC BOILER #3  
SOURCE # 158---ATLANTIC BOILER #4  
SOURCE # 159---ATLANTIC BOILER #5

		TYPE=0,1 (G/S)			TYPE=0 (DEG-K)	TYPE=0 (M/S)	BLDG.	BLDG.	BLDG.			
Y A NUMBER	TYPE=2		BASE		VERT.DIM.	HORZ.DIM.	DIAM.	HEIGHT	LENGTH	WIDTH		
SOURCE P K PART,	(G/S)	X	Y	ELEV. HEIGHT	TYPE=1	TYPE=1,2	TYPE=0	TYPE=0	TYPE=0	TYPE=0		
NUMBER E E CATS.	*PER M*#2	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)	(M)		
		1	0	0	0	3.360	0.	50. 0.0	22.00	342.0	8.98	
									1.52	0.00	0.00	0.00

## \*\*\* OSCEOLA FIVE YEAR PARTICULATE D301 \*\*\*

## \*\*\* SOURCE DATA \*\*\*

SOURCE NUMBER	X E	Y E	Z E	EMISSION RATE			TEMP. (DEG.K)	EXIT VEL. (M/S)	BLDG.					
				TYPE=0, (G/S)		BASE ELEV.			HEIGHT (M)	BLDG. VERT.DIM.	BLDG. HORZ.DIM.	BLDG. DIAM.	BLDG. HEIGHT	
				T W	A NUMBER									TYPE=2 (G/S)
2	0	0	0	9.000	0.	25.	0.0	22.00	342.0	14.22	1.52	0.00	0.00	0.00
3	0	0	0	4.810	0.	0.	0.0	22.00	342.0	11.23	1.98	0.00	0.00	0.00
4	0	0	0	7.200	0.	-25.	0.0	22.00	342.0	13.35	1.83	0.00	0.00	0.00
5	0	0	0	6.000	0.	-50.	0.0	22.00	342.0	12.02	1.52	0.00	0.00	0.00
6	0	0	0	7.200	0.	-75.	0.0	22.00	342.0	14.41	2.16	0.00	0.00	0.00
11	0	0	0	13.600	-9300.	-14200.	0.0	24.40	344.0	11.80	1.40	0.00	0.00	0.00
12	0	0	0	5.700	-9300.	-14200.	0.0	24.40	344.0	15.10	1.60	0.00	0.00	0.00
13	0	0	0	10.900	-9300.	-14200.	0.0	33.50	344.0	11.60	2.82	0.00	0.00	0.00
14	0	0	0	9.100	-9300.	-14200.	0.0	24.40	344.0	15.80	1.40	0.00	0.00	0.00
15	0	0	0	12.000	-9300.	-14200.	0.0	47.20	344.0	11.00	3.05	0.00	0.00	0.00
16	0	0	0	2.500	-9200.	-14200.	0.0	12.20	606.0	22.40	1.52	0.00	0.00	0.00
101	0	0	0	32.260	50000.	-7300.	0.0	90.80	408.0	13.23	4.88	0.00	0.00	0.00
102	0	0	0	32.260	50000.	-7300.	0.0	90.80	408.0	13.23	4.88	0.00	0.00	0.00
103	0	0	0	4.000	48600.	-23800.	0.0	30.50	408.0	6.67	2.13	0.00	0.00	0.00
104	0	0	0	3.970	48600.	-23800.	0.0	30.50	408.0	10.74	2.38	0.00	0.00	0.00
109	0	0	0	1.070	50200.	-10900.	0.0	30.50	366.0	4.58	2.44	0.00	0.00	0.00
110	0	0	0	1.070	50200.	-10900.	0.0	30.50	366.0	4.58	2.44	0.00	0.00	0.00
111	0	0	0	1.070	50200.	-10900.	0.0	30.50	366.0	4.58	2.44	0.00	0.00	0.00
113	0	0	0	1.810	-19300.	-27400.	0.0	16.50	338.0	4.01	3.44	0.00	0.00	0.00
114	0	0	0	2.560	-19300.	-27400.	0.0	16.50	341.0	4.19	3.44	0.00	0.00	0.00
115	0	0	0	2.480	-19300.	-27400.	0.0	16.50	348.0	4.09	3.44	0.00	0.00	0.00
118	0	0	0	2.100	-19300.	-27400.	0.0	19.20	340.0	18.17	2.29	0.00	0.00	0.00
119	0	0	0	2.160	-19300.	-27400.	0.0	16.50	339.0	4.94	3.44	0.00	0.00	0.00
120	0	0	0	0.580	-19300.	-27400.	0.0	16.20	345.0	15.05	1.83	0.00	0.00	0.00
121	0	0	0	6.480	-19300.	-27400.	0.0	16.20	338.0	18.32	1.83	0.00	0.00	0.00
122	0	0	0	6.050	-19300.	-27400.	0.0	16.20	340.0	12.46	2.29	0.00	0.00	0.00
132	0	0	0	0.170	6900.	-16200.	0.0	19.80	478.0	4.07	1.16	0.00	0.00	0.00
133	0	0	0	8.500	-5400.	600.	0.0	19.80	343.0	21.32	1.65	0.00	0.00	0.00
134	0	0	0	8.600	-5400.	600.	0.0	19.80	341.0	21.40	1.65	0.00	0.00	0.00
135	0	0	0	9.100	-5400.	600.	0.0	19.80	331.0	25.50	1.65	0.00	0.00	0.00
137	0	0	0	13.200	-5400.	600.	0.0	30.50	344.0	22.37	2.13	0.00	0.00	0.00
138	0	0	0	3.140	-11200.	-41100.	0.0	21.30	361.0	5.87	3.20	0.00	0.00	0.00
139	0	0	0	1.840	-11200.	-41100.	0.0	21.30	361.0	5.87	3.20	0.00	0.00	0.00
140	0	0	0	1.870	-11200.	-41100.	0.0	22.90	361.0	9.40	3.05	0.00	0.00	0.00
141	0	0	0	0.600	-31000.	-14200.	0.0	19.50	266.0	3.59	1.22	0.00	0.00	0.00
144	0	0	0	4.000	-31000.	-14200.	0.0	21.30	305.0	10.06	0.88	0.00	0.00	0.00
145	0	0	0	4.310	-31000.	-14200.	0.0	16.50	305.0	14.37	0.91	0.00	0.00	0.00
146	0	0	0	2.390	-31000.	-14200.	0.0	14.00	294.0	20.49	0.15	0.00	0.00	0.00
147	0	0	0	5.430	-38360.	-10600.	0.0	22.90	341.0	15.81	2.23	0.00	0.00	0.00

## \*\*\* OSCEOLA FIVE YEAR PARTICULATE D301

## \*\*\* SOURCE DATA \*\*\*

SOURCE NUMBER	P K E	T W E	A NUMBER CATS.	EMISSION			TEMP. TYPE=0, (DEG.K)	EXIT VEL. TYPE=0 (M/S)	BLDG.							
				RATE TYPE=0,1 (G/S)		BASE X (M)			Y (M)	ELEV. (M)	HEIGHT (M)	HORZ.DIM. TYPE=1 (M)	VERT.DIM. TYPE=1,2 (M)	DIAM. TYPE=0 (M)	HEIGHT LENGTH TYPE=0 (M)	BLDG. TYPE=0 (M)
				X (G/S)	Y (G/S)											
148	0	0	0	5.390	-38300	-10600	0.0	22.90	334.0	16.24	2.23	0.00	0.00	0.00		
149	0	0	0	2.280	-38300	-10600	0.0	22.90	341.0	10.36	2.23	0.00	0.00	0.00		
150	0	0	0	1.670	-38300	-10600	0.0	19.80	340.0	13.43	1.83	0.00	0.00	0.00		
151	0	0	0	1.530	-38300	-10600	0.0	19.80	334.0	8.44	1.83	0.00	0.00	0.00		
153	0	0	0	0.810	-38300	-10600	0.0	10.70	316.0	10.61	1.52	0.00	0.00	0.00		
154	0	0	0	0.580	-38300	-10600	0.0	15.20	338.0	5.66	1.52	0.00	0.00	0.00		
155	0	0	0	7.000	8730	-22280	0.0	18.90	346.0	12.71	1.92	0.00	0.00	0.00		
156	0	0	0	6.970	8730	-22280	0.0	18.90	342.0	10.89	1.92	0.00	0.00	0.00		
157	0	0	0	9.250	8730	-22280	0.0	18.90	341.0	17.52	1.83	0.00	0.00	0.00		
158	0	0	0	9.250	8730	-22280	0.0	18.29	344.0	15.03	1.83	0.00	0.00	0.00		
159	0	0	0	4.490	8730	-22280	0.0	27.40	344.0	6.64	1.98	0.00	0.00	0.00		

240°  
600m

DAILY: 285

24-HR/PD 1

SGROUPH 1

YEAR 1974

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D302 \*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* ENDING WITH HOUR 24 FOR DAY 285 \*

\* FROM SOURCES: 1, -5, 11, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 118.9 AND OCCURRED AT (-620.0, -400.0) \*

Y-AXIS / (METERS)	X-AXIS (METERS)									
	-1020.0	-920.0	-820.0	-720.0	-620.0	-520.0	-420.0	-320.0	-220.0	0.0
100.0 /	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0 /	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1
-100.0 /	0.5	0.8	1.4	2.4	4.1	6.4	8.6	12.0	6.1	
-200.0 /	4.9	7.4	10.8	15.7	24.3	41.7	60.5	49.0	11.1	
-300.0 /	14.5	20.6	32.0	53.7	85.1	106.9	92.4	42.4	5.5	
-400.0 /	33.5	53.5	81.9	109.3	118.9	101.6	58.6	14.2	2.6	
-500.0 /	70.8	94.0	109.5	109.5	93.6	59.9	19.3	8.5	0.3	
-600.0 /	92.1	98.1	99.4	81.2	55.2	21.4	11.6	3.0	0.0	
-700.0 /	84.8	79.8	69.0	48.9	21.7	11.8	7.0	0.5	0.0	
-800.0 /	67.7	58.8	42.7	20.9	11.0	9.4	2.2	0.1	0.0	

240°  
600m

DAILY: 295

24-HR/PD 1

SGROUP# 1

YEAR 1974

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D302 \*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*  
\* ENDING WITH HOUR 24 FOR DAY 295 \*

\* FROM SOURCES: 1, -5, 11, -159,

\* FOR THE RECEPTOR GR10 \*

\* MAXIMUM VALUE EQUALS 124.0 AND OCCURRED AT (-620.0, -300.0) \*

Y-AXIS (METERS)	X-AXIS (METERS)									
	-1020.0	-920.0	-820.0	-720.0	-620.0	-520.0	-420.0	-320.0	-220.0	
100.0 /	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
0.0 /	3.4	3.8	4.2	4.7	5.0	5.1	4.5	2.9	0.8	
-100.0 /	7.7	8.9	10.7	13.8	19.4	28.5	38.2	37.3	9.3	
-200.0 /	17.4	25.9	38.8	56.7	79.0	102.0	101.3	49.3	4.3	
-300.0 /	50.1	66.5	86.5	109.2	124.0	104.8	49.4	8.3	0.1	
-400.0 /	77.5	94.8	108.9	105.6	74.1	32.9	8.1	0.3	0.0	
-500.0 /	89.6	90.8	75.2	46.6	21.8	6.9	0.6	0.0	0.0	
-600.0 /	68.0	50.1	30.1	15.3	5.6	0.7	0.0	0.0	0.0	
-700.0 /	33.7	20.5	11.3	4.5	0.7	0.0	0.0	0.0	0.0	
-800.0 /	14.8	8.7	3.6	0.7	0.0	0.0	0.0	0.0	0.0	

2<sup>nd</sup> high

240°

800m

DAILY: 285

24-HR/PD 1

SGROUP# 2

YEAR 1974

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D303 \*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 2, -159, \* ENDING WITH HOUR 24 FOR DAY 285 \*

\* FOR THE RECEIVER GRID \*

\* MAXIMUM VALUE EQUALS 115.5 AND OCCURRED AT (-590.0, -400.0) \*

Y-AXIS (METERS)	X-AXIS (METERS)									
	-1190.0	-1090.0	-990.0	-890.0	-790.0	-690.0	-590.0	-490.0	-390.0	-290.0
0.0 /	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-100.0 /	0.1	0.2	0.3	0.5	1.0	1.7	2.9	4.2	4.8	
-200.0 /	1.8	2.8	4.3	6.6	9.6	13.8	20.7	33.9	45.2	
-300.0 /	7.8	10.5	14.3	20.1	30.8	51.1	79.5	95.9	74.9	
-400.0 /	16.1	22.4	34.0	54.1	82.6	109.2	115.5	92.8	45.7	
-500.0 /	33.7	50.8	74.0	98.5	113.6	111.3	91.5	52.9	15.0	
-600.0 /	64.1	83.2	98.3	104.2	98.8	82.7	52.2	18.4	10.2	
-700.0 /	83.0	90.5	91.1	84.9	72.1	48.2	19.8	11.7	5.0	
-800.0 /	80.6	78.9	72.8	62.2	43.2	19.9	11.4	8.4	1.3	
-900.0 /	68.3	62.8	53.9	38.5	19.3	10.6	9.8	3.6	0.2	

24° High

140°

Boam

DAILY: 295

24-HR/PD 1

SGROUP# 2

YEAR 1974

\*\*\* OSCEOLA FIVE YEAR PARTICULATE D303 \*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* ENDING WITH HOUR 24 FOR DAY 295 \*

\* FROM SOURCES: 2, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 124.9 AND OCCURRED AT (-590.0, -300.0) \*

Y-AXIS (METERS)	X-AXIS (METERS)									
	-1190.0	-1090.0	-990.0	-890.0	-790.0	-690.0	-590.0	-490.0	-390.0	
0.0	2.3	2.5	2.8	3.0	3.3	3.5	3.7	3.5	2.7	
-100.0	6.2	7.0	7.9	8.9	10.3	12.4	16.1	21.9	26.5	
-200.0	9.2	11.9	16.6	24.2	36.1	52.7	73.0	92.3	84.5	
-300.0	26.3	36.7	50.6	68.0	89.0	112.0	124.9	100.6	41.3	
-400.0	53.8	67.2	83.4	102.0	116.8	112.1	76.3	30.9	6.1	
-500.0	73.0	86.7	98.5	100.0	82.2	49.9	21.8	5.9	0.3	
-600.0	82.1	84.7	75.8	55.6	32.6	15.8	5.1	0.5	0.0	
-700.0	67.1	54.5	37.4	22.3	11.8	4.3	0.6	0.0	0.0	
-800.0	38.8	26.1	16.2	9.1	3.6	0.6	0.0	0.0	0.0	
-900.0	19.0	12.3	7.2	3.0	0.6	0.0	0.0	0.0	0.0	

DAILY: 50  
24-HR/PD 1  
SGROUP# 1  
YEAR 1972

\*\*\* D304 INTERACTION WITH US SUGAR BRYANT \*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*  
\* ENDING WITH HOUR 24 FOR DAY 50 \*  
\* FROM SOURCES: 1, -5, 11, -159,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 55.2 AND OCCURRED AT ( 700.0, 100.0 ) \*

DIRECTION / (DEGREES) /	500.0	600.0	700.0	800.0	RANGE (METERS) 900.0
----------------------------	-------	-------	-------	-------	-------------------------

100.0 /	48.5	54.0	55.2	54.0	51.7
95.0 /	41.8	46.0	47.1	46.2	44.5
90.0 /	29.3	30.6	30.2	29.2	28.0

DAILY: 361

24-HR/PD 1

SGROUP# 1

YEAR 1972

\*\*\* D304 INTERACTION WITH US SUGAR BRYANT

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* FROM SOURCES: 1, -5, 11, -159, \* ENDING WITH HOUR 24 FOR DAY 361 \*

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 54.3 AND OCCURRED AT ( 900.0, 100.0 ) \*

DIRECTION / (DEGREES) /	500.0	600.0	700.0	800.0	900.0
----------------------------	-------	-------	-------	-------	-------

100.0 /	41.5	47.8	51.7	53.7	54.3
95.0 /	37.9	42.5	45.3	46.7	47.0
90.0 /	31.6	34.3	35.4	35.6	35.1

DAILY: 50

24-HR/PD 1

S GROUP# 2

YEAR 1972

\*\*\* D304 INTERACTION WITH US SUGAR BRYANT \*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* ENDING WITH HOUR 24 FOR DAY 50 \*

\* FROM SOURCES: 2, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 54.4 AND OCCURRED AT ( 700.0, 100.0 ) \*

DIRECTION / (DEGREES) /	500.0	600.0	700.0	800.0	RANGE (METERS) 900.0
----------------------------	-------	-------	-------	-------	-------------------------

100.0 /	45.3	52.0	54.4	54.2	52.7
95.0 /	35.6	40.4	42.4	42.6	41.8
90.0 /	24.3	26.0	26.2	25.8	25.1

DAILY: 361

24-HR/PD 1

SGROUP# 2

YEAR 1972

\*\*\* D304 INTERACTION WITH US SUGAR BRYANT

\*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* ENDING WITH HOUR 24 FOR DAY 361 \*

\* FROM SOURCES: 2, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 51.0 AND OCCURRED AT ( 900.0, 100.0 ) \*

DIRECTION / (DEGREES) /	500.0	600.0	700.0	800.0	RANGE (METERS) 900.0
----------------------------	-------	-------	-------	-------	-------------------------

100.0 /	36.7	42.9	47.2	49.7	51.0
95.0 /	32.2	36.9	40.1	42.0	42.9
90.0 /	26.5	29.4	30.9	31.4	31.4

DAILY: 33

24-HR/PD 1

SCROUP# 1

YEAR 1972

\*\*\* 0305 INTERACTION WITH SCGC AND G&W

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* ENDING WITH HOUR 24 FOR DAY 33 \*

\* FROM SOURCES: 1, -5, 11, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 32.8 AND OCCURRED AT ( 800.0, 30.0 ) \*

DIRECTION / (DEGREES)	500.0	600.0	700.0	800.0	900.0	RANGE (METERS)
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30.0 /	21.4	28.0	31.5	32.8	32.8	
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DAILY: 85

24-HR/PD 1

SGROUP# 1

YEAR 1972

\*\*\* D305 INTERACTION WITH SCGC AND G&W

\*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* ENDING WITH HOUR 24 FOR DAY 85 \*

\* FROM SOURCES: 1, -5, 11, -159,

\* FOR THE RECEPTOR GRID:

\* MAXIMUM VALUE EQUALS 32.3 AND OCCURRED AT ( 500.0, 30.0 ) \*

DIRECTION / (DEGREES) /	500.0	600.0	700.0	800.0	RANGE (METERS) 900.0
----------------------------	-------	-------	-------	-------	-------------------------

30.0 /	32.3	31.4	29.1	26.9	23.7
--------	------	------	------	------	------

DAILY: 33

24-HR/PD 1

SGROUP# 2

YEAR 1972

\*\*\* 0305 INTERACTION WITH SCGC AND G&W

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* ENDING WITH HOUR 24 FOR DAY 33 \*

\* FROM SOURCES: 2, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 32.7 AND OCCURRED AT ( 900.0, 30.0) \*

\* DIRECTION / RANGE (METERS)

(DEGREES) / 500.0 600.0 700.0 800.0 900.0

----- / 30.0 / 19.9 26.5 30.5 32.3 / 32.7

DAILY: 85  
24-HR/PD 1

SGROUP# 2  
YEAR 1972

\*\*\* D305 INTERACTION WITH SCGC AND G&W

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*  
\* ENDING WITH HOUR 24 FOR DAY 85 \*

\* FROM SOURCES: 2, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 33.9 AND OCCURRED AT ( 500.0, 30.0 ) \*

DIRECTION / RANGE (METERS)  
(DEGREES) / 500.0 600.0 700.0 800.0 900.0

----- / 30.0 / 33.9 33.1 30.9 28.2 25.4

DAILY: 47

24-HR/PD 1

S GROUP# 1

YEAR 1970

\*\*\* D306 INTERACTION WITH ATLANTIC

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* FROM SOURCES: 1, -5, 11, -159, \* ENDING WITH HOUR 24 FOR DAY 47 \*

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 72.1 AND OCCURRED AT ( 800.0, 340.0 ) \*

DIRECTION / (DEGREES) /	500.0	600.0	700.0	800.0	RANGE (METERS)
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	900.0

340.0 /	51.1	63.6	69.9	72.1	71.8
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DAILY: 47  
24-HR/PD 1  
SGROUP# 2  
YEAR 1970

\*\*\* D306 INTERACTION WITH ATLANTIC

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*  
\* ENDING WITH HOUR 24 FOR DAY 47 \*

\* FROM SOURCES: 2, -159,  
\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 73.0 AND OCCURRED AT ( 900.0, 340.0 ) \*

DIRECTION / (DEGREES) /	500.0	600.0	700.0	800.0	RANGE (METERS) 900.0
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C 340.0 /	45.1	62.1	69.4	72.5	73.0
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DAILY: 39

24-HR/PD 1

SGROUP# 1

YEAR 1971

\*\*\* D307 INTERACTION WITH TALISMAN

\*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER) \*

\* ENDING WITH HOUR 24 FOR DAY 39 \*

\* FROM SOURCES: 1, -5, 11, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 40.9 AND OCCURRED AT ( 600.0, 10.0 ) \*

DIRECTION / (DEGREES) /	500.0	600.0	700.0	800.0	RANGE (METERS) 900.0
----------------------------	-------	-------	-------	-------	-------------------------

20.0 /	8.6	8.7	8.2	7.6	6.9
15.0 /	26.8	28.4	27.7	26.0	23.9
10.0 /	37.2	40.4	40.2	38.2	35.5

DAILY: 39

24-HR/PD 1

S GROUP# 2

YEAR 1971

\*\*\* 0307 INTERACTION WITH TALISMAN

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* ENDING WITH HOUR 24 FOR DAY 39 \*

\* FROM SOURCES: 2, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 40.9 AND OCCURRED AT { 700.0, 10.0 } \*

DIRECTION / RANGE (METERS)  
(DEGREES) / 500.0 600.0 700.0 800.0 900.0

20.0 /	10.6	10.6	9.9	9.1	8.1
15.0 /	28.8	30.6	30.0	28.3	26.1
10.0 /	37.2	40.8	40.9	39.3	36.8

DAILY: 75

24-HR/PD 1

SGROUP# 1

YEAR 1974

\*\*\* D308 INTERACTION WITH US SUGAR CLEWISTON \*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* ENDING WITH HOUR 24 FOR DAY 75 \*

\* FROM SOURCES: 1, -5, 11, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 49.0 AND OCCURRED AT ( 800,0, 70,0) \*

DIRECTION / (DEGREES) /	RANGE (METERS)				
	600,0	700,0	800,0	900,0	1000,0

80.0 /	22.6	24.9	25.6	25.3	24.5
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75.0 /	30.6	32.2	31.9	30.8	29.3
--------	------	------	------	------	------

70.0 /	43.9	47.5	49.0	48.9	47.8
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DAILY: 75

24-HR/PD 1

SGROUP# 2

YEAR 1974

\*44 D308 INTERACTION WITH US SUGAR CLEWISTON

\*\*\*

\* DAILY 24-HOUR AVERAGE CONCENTRATION (MICROGRAMS/CUBIC METER)

\* ENDING WITH HOUR 24 FOR DAY 75 \*

\* FROM SOURCES: 2, -159,

\* FOR THE RECEPTOR GRID \*

\* MAXIMUM VALUE EQUALS 52.0 AND OCCURRED AT ( 900.0, 70.0 ) \*

DIRECTION / (DEGREES) /	600.0	700.0	800.0	900.0	1000.0	RANGE (METERS)
----------------------------	-------	-------	-------	-------	--------	----------------

80.0 /	22.8	24.9	25.7	25.6	24.9	
75.0 /	33.0	34.7	34.6	33.6	32.0	
70.0 /	49.1	49.3	51.5	52.0	51.3	

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