



SHOLTES & KOOGLER, ENVIRONMENTAL CONSULTANTS  
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RECEIVED  
AMAX Phosphate

SKEC 144-81-06

February 3, 1982 **FEB 4 1982**

Mr. Fred Mullins  
Amax Phosphates, Inc.  
Suite 600, 402 S. Kentucky Ave.  
Lakeland, FL 33801

Subject: Impact of Amax Plant City Particulate Matter  
Emissions on the Hillsborough County Non-Attainment Area

Dear Fred:

In accordance with your recent request I have conducted the necessary air quality modeling to determine the impact of the particulate matter emitting sources at your Plant City facility on the particulate matter non-attainment area in Hillsborough County. In conducting this modeling I used the revised emission rates for the reactor/paragon, the No. 6 and 7 kilns and the feed preparation sources that you relayed to me by phone on January 28, 1982. The results of the modeling indicate that your Plant City facility, with all particulate matter emitting sources emitting at emission rates shown in Table 1 and operating at 100 percent of rated capacity, will not have a significant impact on the Hillsborough County non-attainment area for either the annual or 24-hour period.

Modeling that I conducted was done with the unmodified CRSTER air quality model. Prior to running this model the meteorological data which were used (Tampa data for the period 1970-1974) were preprocessed with a program developed by the Florida Department of Environmental Regulation (FDER) to select only days containing a vector which would result in the transport of pollutants from your facility to the non-attainment area. These meteorological data and the source emission data summarized in Table 1 were then input to the CRSTER air quality model.

The distance from your facility to the boundary of the particulate matter non-attainment area was determined to be 19.7 kilometers. The direction of the non-attainment area from your facility is between 240° to 290° from north. This location is shown in Figure 1.

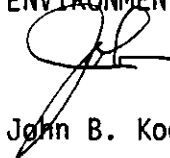
The results of the air quality modeling are summarized in Table 2. These results show that the maximum annual impact of particulate matter emissions from your Plant City facility on the non-attainment area will be 0.6 micrograms per cubic meter. A significant impact for the annual period is defined to be 1.0 micrograms per cubic meter. For the 24-hour period, the maximum impact of your facility on the non-attainment area will be 4.2 micrograms per cubic meter. This compares with the significant impact level of 5.0 micrograms per cubic meter. The computer print-outs from which these data were derived are attached hereto.

It can be concluded that the particulate matter emissions from your Plant City facility, with all sources operating at the emission rates summarized in Table 1 and at 100 percent of rated capacity, will not have a significant impact on the Hillsborough County non-attainment area for either the annual or the 24-hour period. It should be noted that the maximum annual impact of 0.6 micrograms per cubic meter was calculated using only the days which contain a vector which would allow pollutants from your facility to be transported to the non-attainment area. If the annual impact was calculated using all days of the year, as would normally be done, the impact would be significantly lower. A more refined estimate of the annual impact was not deemed necessary; however, since even under the most extreme conditions the impact predicted was only 60 percent of the significant impact level, the assumption stated in this paragraph will have no effect on the predicted 24-hour impacts.

If you have any questions or comments regarding these data, please give me a call.

Very truly yours,

SHOLTES & KOOGLER  
ENVIRONMENTAL CONSULTANTS



John B. Koogler, Ph.D., P.E.

JBK:sc  
Attachments

TABLE 1

PARTICULATE MATTER EMISSION RATES

AMAX PHOSPHATES, INC.  
PLANT CITY, FLORIDA

Source	Particulate Matter Emission (lbs/hr.)	Stack Parameters			
		Ht. (m)	Dia. (m)	Vel. (m/s)	Temp. (°K)
Reactor/paragon	42.0*	45.7	1.76	17.4	315
3, 4, 5 kilns	16.76	45.7	1.76	14.7	315
6, 7 kilns	15.0*	61.0	1.76	17.6	315
Feed Prep.	20.0*	30.5	1.37	11.5	318
Dical	13.33	24.4	1.68	8.6	338
Bag Collectors No. 1 Millroom	Particulate matter concentration in gas stream assumed to be 0.03 grains per standard cubic foot.				
All Others	Particulate matter concentration in gas stream assumed to be 0.02 grains per standard cubic foot.				

\*Revised 1/28/82

TABLE 2

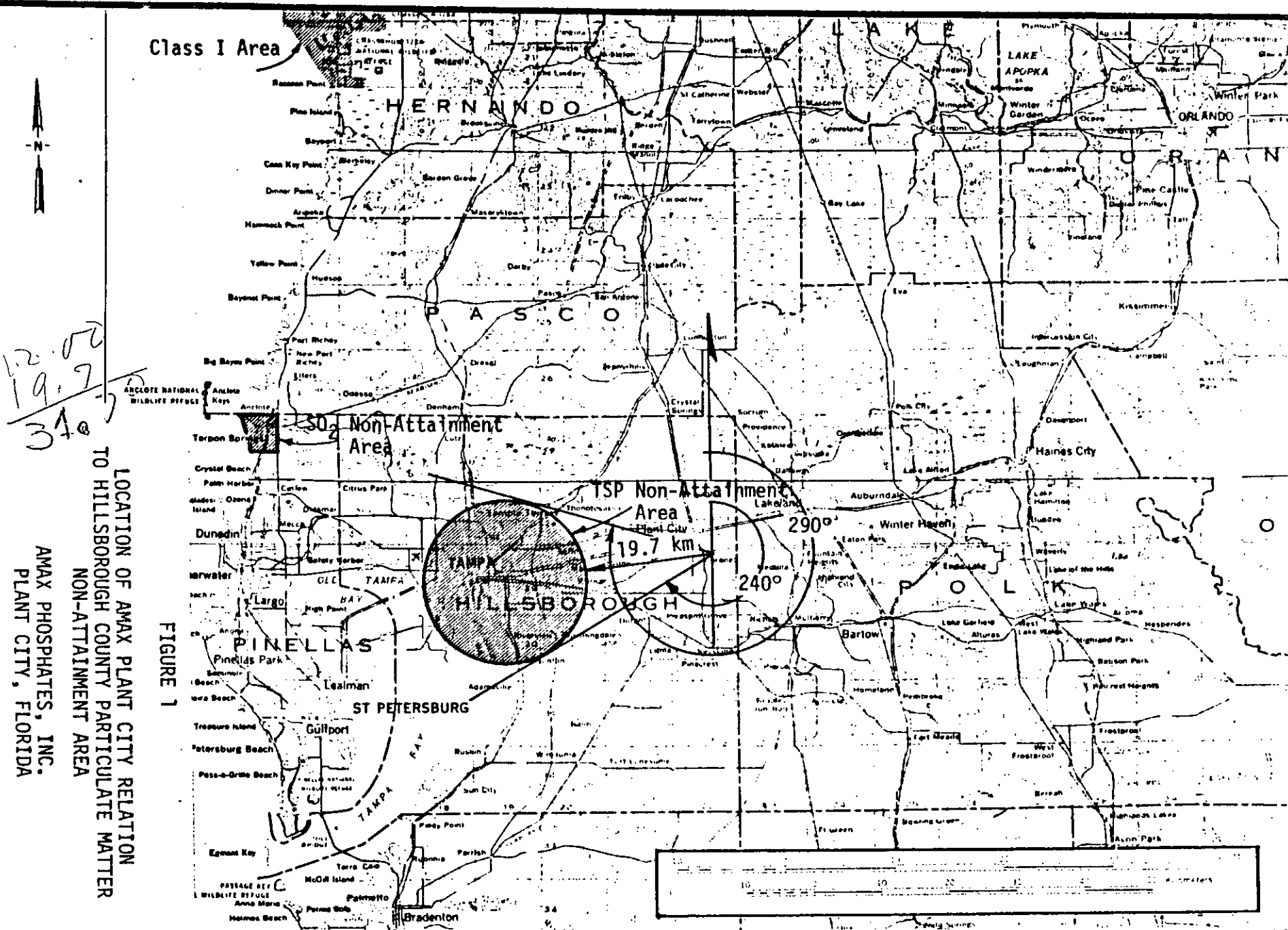
SUMMARY OF IMPACTS OF AMAX -PLANT CITY  
PARTICULATE MATTER EMISSIONS\* ON THE  
HILLSBOROUGH COUNTY PARTICULATE MATTER  
NON-ATTAINMENT AREA

<u>Year</u>	<u>Particulate Matter Impacts (ug/m<sup>3</sup>)</u>	
	<u>Annual</u>	<u>24-Hour</u>
1970	0.5	4.0
1971	0.4	3.2
1972	0.6	4.2
1973	0.4	2.6
1974	0.4	3.0

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Distance - 19.7 km  
Range - 240°-290°

\* As revised 1/28/82



12.05  
19.7  
340

LOCATION OF AMAX PLANT CITY RELATION  
TO HILLSBOROUGH COUNTY PARTICULATE MATTER  
NON-ATTAINMENT AREA

AMAX PHOSPHATES, INC.  
PLANT CITY, FLORIDA

FIGURE 1



PLANT NAME: WYAN - PLANT CITY      POLLUTANT: PART      EMISSION UNITS: GM/SEC      AIR QUALITY UNITS: GM/M\*\*3  
 IMPACT: PHILLIPPS 1501 00. UN-ATTAINMENT AREA  
 TARA MET DATA

NET FILL      REQUESTED  
 DTN NO. YR    DTN NO. YR  
 SURFACE      12842 70    12842 70  
 UPPER AIR    12842 70    12842 70  
 PLANT LOCATION: RURAL  
 OUTPUT TAPE TO BE WRITTEN  
 NET DATA WILL NOT BE PRINTED

DAY--	1	1	0	0	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	
	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0
	1	1	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

\* \* \* \* \* N O T E \* \* \* \* \*

ALL TABLES, INCLUDING SOURCE CONTRIBUTION, THAT CONTAIN "ANNUAL" IN THE HEADING ARE BASED ONLY ON THOSE DAYS MARKED BY "1" IN THE ABOVE TABLE

PLG DISTANCES (M) = 10.70 25.00 31.60 35.00 40.00

STACK # 1--FEED PREP BSS  
 STACK # 2--FEED PREP BSS, GAS USE TRK, TRUCK LUG  
 STACK # 3--LIME BIN, COP BIN, DIKAL, BOBT BIN, BLK LUG  
 STACK # 4--HILL ROOM 1 & 2  
 STACK # 5--CRANEWAY  
 STACK # 6--REACTOR PARASON & KILNS 3,4,5  
 STACK # 7--KILNS 6 & 7  
 STACK # 8--FEED PREP  
 STACK # 9--DIKAL

STACK	MONTH	EMISSION RATE (G/G/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	0.1200	29.60	0.32	15.20	317.00	1.22
2	ALL	0.4400	20.90	0.43	15.20	317.00	2.21
3	ALL	0.6400	19.10	0.46	15.20	317.00	2.53
4	ALL	1.1100	11.30	0.84	15.20	317.00	8.42
5	ALL	4.3200	53.40	2.81	15.20	317.00	94.26
6	ALL	7.4000	45.72	1.77	16.01	316.30	39.39
7	ALL	1.8000	60.96	1.77	17.56	316.30	43.21
8	ALL	2.5000	30.49	1.37	11.50	338.50	16.95
9	ALL	1.5800	24.39	1.68	8.56	318.50	18.98



PLANT NAME: ARAK - PLANT CITY

POLLUTANT: PART

EMISSION UNITS: GM/SEC

AIR QUALITY UNITS: GM/M<sup>3</sup>

MAXIMUM YEAR CONC: 4.994E-07 DIRECTION: 27 DISTANCE: 19.7 KM

WIND: 70

DIR	RANGE	ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR				
		19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1	5.53527E-03	4.16714E-08	3.15130E-03	2.79164E-08	2.38225E-08	
2	1.30249E-03	3.18227E-08	2.37790E-03	2.09897E-08	1.78440E-08	
3	4.24853E-03	3.19625E-08	2.41101E-03	2.13862E-08	1.82920E-08	
4	3.36433E-03	2.49931E-08	1.56691E-03	1.64462E-08	1.39312E-08	
5	2.97676E-03	2.21709E-08	1.56310E-03	1.46029E-08	1.25011E-08	
6	3.14035E-03	2.37761E-08	1.82050E-03	1.62420E-08	1.40073E-08	
7	2.60747E-03	1.92207E-08	1.43121E-03	1.26055E-08	1.06805E-08	
8	2.63703E-03	1.90904E-08	1.38830E-03	1.21529E-08	1.02202E-08	
9	5.95675E-03	5.10517E-08	3.73536E-03	3.34598E-08	2.84087E-08	
10	5.72423E-03	4.25217E-08	3.18987E-03	2.81990E-08	2.40144E-08	
11	5.57563E-03	4.18717E-08	3.15107E-03	2.78335E-08	2.36481E-08	
12	4.29137E-03	3.21225E-08	2.41395E-03	2.13289E-08	1.81384E-08	
13	3.65881E-03	6.56330E-08	4.96205E-03	4.39180E-08	3.74134E-08	
14	3.07953E-03	6.15251E-08	4.59859E-03	4.17845E-08	3.58322E-08	
15	1.26435E-07	8.19971E-08	5.70361E-03	5.61999E-08	4.83310E-08	
16	7.53650E-03	7.32150E-08	5.59871E-03	4.77911E-08	4.26864E-08	
17	7.55150E-03	5.77711E-08	4.43102E-03	3.24521E-08	3.37001E-08	
18	1.25852E-07	9.61707E-08	7.16551E-03	6.55489E-08	5.62578E-08	
19	5.52824E-03	4.16530E-08	3.15114E-03	2.79174E-08	2.38312E-08	
20	4.35960E-03	6.38801E-08	4.70018E-03	4.36645E-08	3.75557E-08	
21	1.52375E-07	1.16605E-07	9.36165E-03	7.97058E-08	6.87529E-08	
22	1.13901E-07	8.63749E-08	6.51867E-03	5.76941E-08	4.91721E-08	
23	2.32822E-07	1.76077E-07	1.34663E-07	1.19910E-07	1.02796E-07	
24	3.37451E-07	2.53271E-07	1.94565E-07	1.73421E-07	1.49151E-07	
25	3.30333E-07	2.53495E-07	1.94381E-07	1.73108E-07	1.48691E-07	
26	3.40842E-07	2.60592E-07	1.99542E-07	1.77558E-07	1.52342E-07	
27	4.03458E-07	3.78907E-07	2.98861E-07	2.56690E-07	2.19905E-07	
28	3.70122E-07	2.79826E-07	2.12279E-07	1.89254E-07	1.60960E-07	
29	2.22193E-07	1.67137E-07	1.26255E-07	1.11774E-07	9.53985E-08	
30	3.43731E-07	2.63077E-07	2.02003E-07	1.79760E-07	1.54272E-07	
31	1.43659E-07	1.07303E-07	9.14252E-03	7.20646E-08	6.14265E-08	
32	1.46623E-07	1.11830E-07	9.56299E-03	7.62559E-08	6.55252E-08	
33	1.42732E-07	1.09201E-07	8.38846E-03	7.48134E-08	6.44092E-08	
34	3.73522E-03	6.62219E-03	5.04129E-03	4.47799E-08	3.83461E-08	
35	3.34341E-08	2.53044E-08	1.92612E-03	1.71148E-08	1.46647E-08	
36	5.96394E-08	4.56111E-08	3.50219E-03	3.12192E-08	2.68612E-08	

PLANT NAME: MAX - PLANT CITY

POLLUTANT: PART

EMISSION UNITS: GM/SEC

AIR QUALITY UNITS: GM/M<sup>3</sup>

EARLY WARNING 24-HOUR CONC= 5.1145E-06 DIRECTION= 32 DISTANCE= 19.7 KM DAY=174

YEAR= 70

RANGE	HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR				
	19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1	2.2397E-06 (223)	1.7280E-06 (228)	1.2961E-06 (228)	1.1462E-06 (223)	9.7376E-07 (228)
2	1.7334E-06 (101)	1.3235E-06 (101)	1.0142E-06 (101)	9.0243E-07 (101)	7.7492E-07 (101)
3	2.1316E-06 (112)	1.7293E-06 (119)	1.3910E-06 (119)	1.2616E-06 (119)	1.1083E-06 (119)
4	1.7799E-06 (192)	1.3493E-06 (192)	1.0227E-06 (192)	9.0605E-07 (192)	7.7261E-07 (192)
5	2.2305E-06 (23)	1.7977E-06 (28)	1.4332E-06 (28)	1.3005E-06 (28)	1.1379E-06 (28)
6	1.9607E-06 (249)	1.6056E-06 (249)	1.3049E-06 (249)	1.1884E-06 (249)	1.0498E-06 (249)
7	1.1281E-06 (346)	8.6603E-07 (346)	6.5864E-07 (346)	5.8202E-07 (346)	4.9368E-07 (346)
8	6.8524E-07 (115)	5.2978E-07 (115)	4.0456E-07 (115)	3.5968E-07 (115)	3.0558E-07 (115)
9	2.1035E-06 (65)	1.6935E-06 (65)	1.3589E-06 (65)	1.2313E-06 (65)	1.0907E-06 (65)
10	2.4244E-06 (312)	1.9438E-06 (312)	1.5517E-06 (312)	1.4071E-06 (312)	1.2281E-06 (312)
11	2.2727E-06 (78)	1.7845E-06 (78)	1.3713E-06 (78)	1.2447E-06 (78)	1.0739E-06 (78)
12	1.1767E-06 (214)	9.5375E-07 (214)	7.6973E-07 (214)	7.0010E-07 (214)	6.1768E-07 (214)
13	1.4726E-06 (175)	1.1823E-06 (175)	9.5994E-07 (175)	8.7486E-07 (175)	7.7385E-07 (175)
14	2.4369E-06 (160)	1.9735E-06 (160)	1.5927E-06 (160)	1.4487E-06 (160)	1.2787E-06 (160)
15	3.0300E-06 (315)	2.4690E-06 (315)	1.9589E-06 (315)	1.7801E-06 (315)	1.5578E-06 (315)
16	1.5034E-06 (45)	1.2059E-06 (45)	9.5427E-07 (45)	9.6418E-07 (45)	7.5329E-07 (45)
17	2.9451E-06 (91)	2.4050E-06 (91)	1.9478E-06 (91)	1.7710E-06 (91)	1.5605E-06 (91)
18	3.0910E-06 (341)	2.4919E-06 (341)	1.9446E-06 (341)	1.7959E-06 (341)	1.5758E-06 (341)
19	1.4128E-06 (322)	1.1659E-06 (322)	9.5575E-07 (322)	8.7563E-07 (322)	7.7875E-07 (322)
20	3.6296E-06 (164)	2.8876E-06 (164)	2.3057E-06 (164)	2.0714E-06 (164)	1.8417E-06 (164)
21	1.7277E-06 (333)	1.3867E-06 (333)	1.1380E-06 (333)	1.0414E-06 (333)	9.2596E-07 (333)
22	2.2566E-06 (39)	1.7936E-06 (39)	1.4765E-06 (39)	1.2862E-06 (39)	1.1231E-06 (39)
23	2.9357E-06 (255)	2.3916E-06 (255)	1.9060E-06 (255)	1.7235E-06 (255)	1.5087E-06 (255)
24	4.8230E-06 (162)	3.8655E-06 (162)	3.0936E-06 (162)	2.8025E-06 (162)	2.4608E-06 (162)
25	4.7455E-06 (119)	3.8925E-06 (119)	3.1703E-06 (119)	2.8900E-06 (119)	2.5561E-06 (119)
26	4.2638E-06 (343)	3.5043E-06 (343)	2.8529E-06 (343)	2.6142E-06 (343)	2.3179E-06 (343)
27	4.0530E-06 (241)	3.2678E-06 (241)	2.6798E-06 (241)	2.4510E-06 (241)	2.1779E-06 (241)
28	2.6611E-06 (251)	2.0791E-06 (251)	1.6482E-06 (251)	1.4860E-06 (251)	1.2956E-06 (251)
29	2.3582E-06 (86)	1.8744E-06 (86)	1.5054E-06 (86)	1.3638E-06 (86)	1.1963E-06 (86)
30	3.6722E-06 (302)	2.9287E-06 (302)	2.3319E-06 (302)	2.1085E-06 (302)	1.8467E-06 (302)
31	1.7599E-06 (231)	1.3773E-06 (231)	1.0753E-06 (231)	9.6416E-07 (231)	8.3505E-07 (231)
32	5.1145E-06 (174)	5.0237E-06 (174)	4.1015E-06 (174)	3.7451E-06 (174)	3.3202E-06 (174)
33	3.2507E-06 (363)	2.6597E-06 (363)	2.1657E-06 (363)	1.9743E-06 (363)	1.7481E-06 (363)
34	2.5090E-06 (211)	1.9696E-06 (211)	1.5488E-06 (211)	1.3942E-06 (211)	1.2144E-06 (211)
35	1.4195E-06 (169)	1.1455E-06 (169)	9.1969E-07 (169)	8.3233E-07 (169)	7.3016E-07 (169)
36	2.4823E-06 (189)	1.9974E-06 (189)	1.5926E-06 (189)	1.4291E-06 (189)	1.2487E-06 (189)

PLANT NAME: MAX - PLANT CITY POLLUTANT: SO2 EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M\*\*3  
 YEARLY SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR 3.7590E-06 DIRECTION= 27 DISTANCE= 19.7 KM DAY=289  
 YEAR= 70

DIP	SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR				
	RANGE 19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1	1.3255E-06 (25)	1.0821E-06 (25)	8.7579E-07 (25)	7.9742E-07 (25)	7.0297E-07 (25)
2	9.2997E-07 (29)	7.4395E-07 (29)	5.9327E-07 (29)	5.3653E-07 (29)	4.6967E-07 (29)
3	1.1438E-06 (225)	9.1261E-07 (225)	7.2329E-07 (225)	6.5308E-07 (225)	5.7095E-07 (225)
4	7.0651E-07 (180)	6.9535E-07 (180)	5.1510E-07 (180)	4.5491E-07 (180)	3.8504E-07 (180)
5	8.3559E-07 (219)	6.7644E-07 (219)	4.4081E-07 (219)	3.8351E-07 (219)	3.1934E-07 (219)
6	1.3545E-06 (77)	1.1035E-06 (77)	9.0231E-07 (77)	8.2322E-07 (77)	7.2911E-07 (77)
7	9.2241E-07 (324)	7.0616E-07 (324)	5.3431E-07 (324)	4.7092E-07 (324)	3.9784E-07 (324)
8	6.1157E-07 (46)	4.7083E-07 (46)	3.6248E-07 (46)	3.2297E-07 (46)	2.7746E-07 (46)
9	1.7022E-06 (325)	1.2770E-06 (325)	9.6146E-07 (325)	8.4947E-07 (325)	7.2192E-07 (325)
10	1.4442E-06 (338)	1.2035E-06 (338)	9.7464E-07 (338)	8.6527E-07 (338)	7.8183E-07 (338)
11	1.2860E-06 (97)	1.0236E-06 (97)	8.0445E-07 (97)	7.2721E-07 (97)	6.3194E-07 (97)
12	1.1475E-06 (197)	9.1615E-07 (197)	7.2776E-07 (197)	6.5701E-07 (197)	5.7386E-07 (197)
13	1.4501E-06 (175)	1.1515E-06 (175)	9.1226E-07 (175)	8.3146E-07 (175)	7.3551E-07 (175)
14	1.9104E-06 (112)	1.5674E-06 (112)	1.2746E-06 (112)	1.1605E-06 (112)	1.0243E-06 (112)
15	2.2287E-06 (27)	1.7234E-06 (27)	1.4363E-06 (27)	1.3001E-06 (27)	1.1397E-06 (27)
16	1.3881E-06 (164)	1.1317E-06 (164)	9.1718E-07 (164)	8.3566E-07 (164)	7.3895E-07 (164)
17	1.3427E-06 (138)	1.3997E-06 (138)	1.5281E-06 (138)	1.3849E-06 (138)	1.2152E-06 (138)
18	2.5867E-06 (329)	2.0843E-06 (329)	1.6751E-06 (329)	1.5189E-06 (329)	1.3333E-06 (329)
19	1.3485E-06 (106)	1.0239E-06 (106)	8.8190E-07 (106)	8.0050E-07 (106)	7.0389E-07 (106)
20	1.5509E-06 (31)	1.2141E-06 (31)	9.4980E-07 (31)	8.5232E-07 (31)	7.3918E-07 (31)
21	1.6766E-06 (54)	1.3799E-06 (54)	1.1298E-06 (54)	1.0327E-06 (54)	9.1698E-07 (54)
22	1.5161E-06 (256)	1.1737E-06 (256)	9.0740E-07 (256)	8.1006E-07 (256)	6.9759E-07 (256)
23	2.4672E-06 (304)	1.9133E-06 (304)	1.5006E-06 (304)	1.3468E-06 (304)	1.1676E-06 (304)
24	3.7744E-06 (114)	3.0612E-06 (114)	2.4525E-06 (114)	2.2324E-06 (114)	1.9594E-06 (114)
25	2.1396E-06 (182)	1.7042E-06 (182)	1.3551E-06 (182)	1.2349E-06 (182)	1.0925E-06 (182)
26	3.7934E-06 (115)	2.9440E-06 (115)	2.3242E-06 (115)	2.0702E-06 (115)	1.8157E-06 (115)
27	3.9539E-06 (241)	3.1771E-06 (241)	2.4920E-06 (241)	2.2402E-06 (241)	1.9477E-06 (241)
28	2.6067E-06 (102)	2.0626E-06 (102)	1.5175E-06 (102)	1.4113E-06 (102)	1.2072E-06 (102)
29	2.3130E-06 (153)	1.7225E-06 (153)	1.3655E-06 (153)	1.2132E-06 (153)	1.0387E-06 (153)
30	3.1131E-06 (355)	2.5272E-06 (355)	2.0402E-06 (355)	1.8546E-06 (355)	1.6348E-06 (355)
31	1.3577E-06 (172)	1.0492E-06 (172)	8.3721E-07 (172)	7.5430E-07 (172)	6.6151E-07 (172)
32	2.6541E-06 (154)	2.1286E-06 (154)	1.6937E-06 (154)	1.5355E-06 (154)	1.3433E-06 (154)
33	2.5962E-06 (238)	2.0922E-06 (238)	1.6315E-06 (238)	1.5270E-06 (238)	1.3448E-06 (238)
34	2.0684E-06 (26)	1.6793E-06 (26)	1.3537E-06 (26)	1.2280E-06 (26)	1.0792E-06 (26)
35	1.0452E-06 (238)	8.2606E-07 (238)	6.5192E-07 (238)	5.9751E-07 (238)	5.1212E-07 (238)
36	1.7002E-06 (165)	1.3341E-06 (165)	1.0489E-06 (165)	9.4390E-07 (165)	8.2192E-07 (165)



PLANT NAME: AMAX - PLANT CITY POLLUTANT: PART  
 IMPACT @ HILLSBOROUGH CO. NON-ATTAINMENT AREA  
 TAMPA MET DATA

EMISSION UNITS: GM/SEC

AIR QUALITY UNITS: GM/M<sup>3</sup>

NET FILE REQUESTED  
 STN NO. YR STN NO. YR  
 SURFACE 12842 71 12842 71  
 UPPER AIR 12842 71 12842 71  
 PLANT LOCATION: RURAL  
 OUTPUT TAPE TO BE WRITTEN  
 NET DATA WILL NOT BE PRINTED

DAY--	0	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0	0	0	1	0	0	1	1	1	1	1	0	1	1	0	0	1	1	0	0	1	1	1	1	1	1
	0	0	0	1	1	0	1	0	1	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	1	0	1	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1
	1	1	1	0	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	
	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

\* \* \* \* \* NOTE \* \* \* \* \*  
 ALL TABLES, INCLUDING SOURCE CONTRIBUTION, THAT CONTAIN "ANNUAL" IN THE HEADING ARE BASED ONLY ON THOSE DAYS  
 MARKED BY "1" IN THE ABOVE TABLE

RING DISTANCES(KM)= 17.70 25.00 31.60 35.00 40.00

STACK # 1--FEED PREP NGS  
 STACK # 2--FEED PREP SODA, BAG HSE EDW, TRUCK LDG  
 STACK # 3--LIME BIN, CDP 3IN, DIKAL, BOOT BIN, BLK \_DG  
 STACK # 4--MILLROOM 1 & 2  
 STACK # 5--CRANEWAY  
 STACK # 6--REACTOR PARASDN & KILNS 3,4,6,5  
 STACK # 7--KILNS 6 & 7  
 STACK # 8--FEED PREP  
 STACK # 9--DIKAL

STACK	MONTH	EMISSION RATE (GMS/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	0.1200	29.60	0.32	15.20	317.00	1.22
2	ALL	0.4400	20.90	0.43	15.20	317.00	2.21
3	ALL	0.6400	15.10	0.46	15.20	317.00	2.53
4	ALL	1.1100	11.30	0.84	15.20	317.00	8.42
5	ALL	4.3200	53.40	2.81	15.20	317.00	94.26
6	ALL	7.4000	45.72	1.77	16.01	316.30	39.39
7	ALL	1.8900	60.96	1.77	17.56	316.30	43.21
8	ALL	2.5200	30.48	1.37	11.50	333.50	16.95
9	ALL	1.6800	21.38	1.68	8.56	313.50	18.98

PLANT NAME: ANAX - PLANT CITY

POLLUTANT: PART

EMISSION UNITS: GM/SEC

AIR QUALITY UNITS: GM/M\*\*3

MAXIMUM MEAN CONC: 4.2773E-07 DIRECTION= 27 DISTANCE= 19.7 KM

YEAR= 71

DIR	RANGE	ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR				
		19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1	5.77414E-08	4.26669E-08	3.17048E-08	2.78871E-08	2.35779E-08	
2	5.41195E-08	4.00271E-08	2.97622E-08	2.61833E-08	2.21388E-08	
3	3.30865E-08	2.38069E-08	1.73354E-08	1.51446E-08	1.27047E-08	
4	2.64757E-08	1.93818E-08	1.43493E-08	1.26142E-08	1.06645E-08	
5	5.41983E-08	4.11485E-08	3.14494E-08	2.79912E-08	2.40425E-08	
6	4.78426E-08	3.61441E-08	2.74818E-08	2.44138E-08	2.09148E-08	
7	2.97035E-08	2.19037E-08	1.53704E-08	1.44611E-08	1.23107E-08	
8	3.97655E-08	2.91091E-08	2.16436E-08	1.90904E-08	1.62261E-08	
9	1.01944E-07	7.43570E-08	5.48603E-08	4.82037E-08	4.07457E-08	
10	5.23669E-08	3.79218E-08	2.77812E-08	2.43297E-08	2.04757E-08	
11	5.14823E-08	3.80910E-08	2.93919E-08	2.50210E-08	2.12172E-08	
12	5.73099E-08	5.06142E-08	3.32229E-08	3.38377E-08	2.88478E-08	
13	5.81124E-08	4.29028E-08	3.17712E-08	2.78828E-08	2.34933E-08	
14	1.03246E-07	7.87802E-08	6.02219E-08	5.35670E-08	4.59383E-08	
15	1.10020E-07	8.41512E-08	6.44731E-08	5.74030E-08	4.92867E-08	
16	8.91143E-09	6.74081E-08	5.11274E-08	4.53273E-08	3.97072E-08	
17	4.83233E-08	3.61158E-08	2.71508E-08	2.40030E-08	2.04410E-08	
18	1.61695E-07	1.23936E-07	9.49873E-08	8.45166E-08	7.24947E-08	
19	7.01406E-08	5.34836E-08	4.08388E-08	3.62950E-08	3.10906E-08	
20	5.89477E-08	4.46341E-08	3.39073E-08	3.00840E-08	2.57217E-08	
21	1.77956E-07	1.36824E-07	1.05327E-07	9.39538E-08	8.08732E-08	
22	1.16846E-07	8.71851E-08	6.53611E-08	5.75887E-08	4.89984E-08	
23	2.51084E-07	1.90039E-07	1.44239E-07	1.27928E-07	1.09311E-07	
24	2.77459E-07	2.11031E-07	1.60928E-07	1.43010E-07	1.22519E-07	
25	2.71629E-07	2.07844E-07	1.59280E-07	1.41799E-07	1.21739E-07	
26	3.53567E-07	2.72348E-07	2.10161E-07	1.87663E-07	1.61782E-07	
27	4.27701E-07	3.27678E-07	2.51479E-07	2.24043E-07	1.92547E-07	
28	2.93037E-07	2.23214E-07	1.70448E-07	1.51525E-07	1.29867E-07	
29	2.71503E-07	2.07819E-07	1.59421E-07	1.41980E-07	1.21962E-07	
30	3.70031E-07	2.83579E-07	2.17680E-07	1.93920E-07	1.66525E-07	
31	1.76939E-07	1.33595E-07	1.11195E-07	8.96816E-08	7.65629E-08	
32	1.59540E-07	1.21338E-07	9.26519E-08	8.24164E-08	7.07163E-08	
33	1.77389E-07	1.34709E-07	1.02830E-07	9.14783E-08	7.85083E-08	
34	9.18088E-08	6.89395E-08	5.20896E-08	4.61488E-08	3.93994E-08	
35	5.21885E-08	4.74071E-08	3.62436E-08	3.22439E-08	2.76602E-08	
36	3.66309E-08	7.39421E-08	5.67307E-08	5.05468E-08	4.34511E-08	

PLANT NAME: AMAX - PLANT CITY      POLLUTANT: PART      EMISSION UNITS: GM/SEC      AIR QUALITY UNITS: GM/M\*\*3  
 YEARLY MAXIMUM 24-HOUR CONC= 4.9071E-06      DIRECTION= 11      DISTANCE= 19.7 KM      DAY=224  
 YEAR= 71

DIR	HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR				
	RANGE	19.7 KM	25.0 KM	31.6 KM	35.0 KM
1	1.1421E-06 (201)	9.1150E-07 (201)	7.2470E-07 (201)	6.5474E-07 (201)	5.7254E-07 (201)
2	1.3791E-06 ( 22)	1.1236E-06 ( 22)	9.1232E-07 ( 22)	8.3166E-07 ( 22)	7.3594E-07 ( 22)
3	5.8423E-07 ( 50)	4.1656E-07 ( 50)	3.0342E-07 ( 50)	2.6288E-07 (116)	2.2473E-07 (116)
4	9.8235E-07 (116)	7.2592E-07 (116)	5.3941E-07 (116)	4.7292E-07 (116)	3.9886E-07 (116)
5	3.5258E-06 ( 72)	2.8077E-05 ( 72)	2.2706E-06 ( 72)	1.9981E-06 ( 72)	1.7369E-06 ( 72)
6	1.7313E-06 (219)	1.3715E-06 (219)	1.0965E-06 (219)	9.8120E-07 (219)	8.5823E-07 (219)
7	9.9039E-07 (161)	7.5389E-07 (161)	5.7418E-07 (161)	5.0929E-07 (161)	4.3495E-07 (161)
8	1.3529E-06 (239)	1.0644E-06 (239)	8.3558E-07 (239)	7.5128E-07 (239)	6.5294E-07 (239)
9	1.9449E-06 (155)	1.4812E-06 (155)	1.1307E-06 (155)	1.0052E-06 (155)	8.6148E-07 (155)
10	1.5308E-06 (253)	1.2233E-06 (253)	9.7180E-07 (253)	8.7709E-07 (253)	7.6580E-07 (253)
11	4.9071E-06 (224)	3.8838E-06 (224)	3.0653E-06 (224)	2.7600E-06 (224)	2.4036E-06 (224)
12	2.2883E-06 (351)	1.8413E-06 (351)	1.4725E-06 (351)	1.3317E-06 (351)	1.1657E-06 (351)
13	1.1100E-06 (169)	8.9082E-07 (169)	7.1078E-07 (169)	6.4280E-07 (169)	5.6266E-07 (169)
14	2.3059E-06 ( 70)	1.8513E-06 ( 70)	1.4865E-06 ( 70)	1.3499E-06 ( 70)	1.1891E-06 ( 70)
15	3.4775E-06 (115)	2.7909E-06 (115)	2.2264E-06 (115)	2.0159E-06 (115)	1.7653E-06 (115)
16	2.0485E-06 ( 99)	1.6492E-06 ( 99)	1.3215E-06 ( 99)	1.1977E-06 ( 99)	1.0516E-06 ( 99)
17	1.2970E-06 ( 29)	1.0672E-06 ( 29)	8.7255E-07 ( 29)	7.9728E-07 ( 29)	7.0749E-07 ( 29)
18	3.9553E-06 (257)	3.1444E-06 (257)	2.4822E-06 (257)	2.2319E-06 (257)	1.9384E-06 (257)
19	2.8098E-06 (276)	2.2491E-06 (276)	1.7911E-06 (276)	1.6190E-06 (276)	1.4167E-06 (276)
20	1.3382E-06 (364)	1.0974E-06 (364)	8.9456E-07 (364)	8.1653E-07 (364)	7.2359E-07 (364)
21	2.1340E-06 (273)	1.7263E-06 (273)	1.3967E-06 (273)	1.2719E-06 (273)	1.1251E-06 (273)
22	2.2919E-06 (188)	1.8514E-06 (188)	1.4957E-06 (188)	1.3457E-06 (188)	1.1802E-06 (188)
23	3.3434E-06 (270)	2.5664E-06 (270)	1.9715E-06 (270)	1.7564E-06 (270)	1.5091E-06 (270)
24	3.0997E-06 ( 2)	2.5145E-06 ( 2)	2.0276E-06 ( 2)	1.8411E-06 ( 2)	1.6203E-06 ( 2)
25	2.6079E-06 ( 12)	2.0673E-06 ( 12)	1.6287E-06 ( 12)	1.4639E-06 ( 12)	1.2712E-06 ( 12)
26	4.3970E-06 (152)	3.6336E-06 (152)	2.9971E-06 (152)	2.7341E-06 (152)	2.4325E-06 (152)
27	4.5346E-06 (265)	3.5800E-06 (265)	2.8246E-06 (265)	2.5450E-06 (265)	2.2190E-06 (265)
28	4.4589E-06 (247)	3.5497E-06 (247)	2.8229E-06 (247)	2.5522E-06 (247)	2.2353E-06 (247)
29	2.4364E-06 ( 11)	2.0071E-06 (235)	1.6397E-06 (235)	1.5592E-06 (235)	1.4007E-06 (235)
30	3.1670E-06 (348)	2.4964E-06 (348)	1.9565E-06 (348)	1.7552E-06 (348)	1.5201E-06 (348)
31	1.8778E-06 (340)	1.5242E-06 (340)	1.2332E-06 (340)	1.1227E-06 (340)	9.9189E-07 (340)
32	2.2087E-06 (201)	1.6995E-06 (201)	1.3504E-06 (234)	1.2194E-06 (234)	1.0654E-06 (234)
33	3.7460E-06 (332)	2.9612E-06 (332)	2.3158E-06 (332)	2.1027E-06 (332)	1.8303E-06 (332)
34	2.224E-06 (230)	1.7853E-06 (230)	1.4253E-06 (230)	1.2893E-06 (230)	1.1287E-06 (230)
35	1.8549E-06 (176)	1.4402E-06 (176)	1.1179E-06 (176)	1.0301E-06 (176)	8.6379E-07 (176)
36	2.4960E-06 (237)	2.0711E-06 (237)	1.7054E-06 (237)	1.5623E-06 (237)	1.3907E-06 (237)



PLANT NAME: AMAX - PLANT CITY      POLLUTANT: PART      EMISSION UNITS: GM/SEC      AIR QUALITY UNITS: GM/4000  
 YEARLY SECOND MAXIMUM 24-HOUR CONC= 3.4803E-06      DIRECTION= 18      DISTANCE= 19.7 KM      DAY=151  
 YEAR= 71

DIR	SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR					
	RANGE	19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1	1.0973E-06 ( 84)	8.7341E-07 (295)	6.9904E-07 (295)	5.3288E-07 (295)	5.5470E-07 (295)	5.5470E-07 (295)
2	1.2701E-06 ( 24)	9.6659E-07 ( 24)	7.3130E-07 ( 24)	5.4589E-07 ( 24)	5.4764E-07 ( 24)	5.4764E-07 ( 24)
3	5.2642E-07 (361)	3.8841E-07 (116)	2.9618E-07 (116)	2.6186E-07 ( 50)	2.1913E-07 ( 50)	2.1913E-07 ( 50)
4	7.2922E-07 ( 69)	5.3438E-07 ( 69)	3.9252E-07 ( 69)	3.4326E-07 ( 69)	2.8778E-07 ( 69)	2.8778E-07 ( 69)
5	1.1893E-06 (216)	9.4515E-07 (216)	7.5468E-07 (216)	6.8443E-07 (216)	6.0268E-07 (216)	6.0268E-07 (216)
6	1.5178E-06 (178)	1.2021E-06 (178)	9.4648E-07 (178)	8.5099E-07 (178)	7.3913E-07 (178)	7.3913E-07 (178)
7	6.5422E-07 ( 4)	5.0921E-07 ( 4)	3.9216E-07 ( 4)	3.4850E-07 ( 4)	2.9769E-07 ( 4)	2.9769E-07 ( 4)
8	1.0241E-06 (178)	8.2529E-07 (178)	6.6290E-07 (178)	6.0193E-07 (178)	5.2998E-07 (178)	5.2998E-07 (178)
9	1.0100E-06 (214)	7.8190E-07 (214)	5.0537E-07 (214)	5.4144E-07 (214)	4.6750E-07 (214)	4.6750E-07 (214)
10	9.6540E-07 (351)	6.5862E-07 (351)	4.9691E-07 (351)	4.3788E-07 (351)	3.7004E-07 (351)	3.7004E-07 (351)
11	7.6222E-07 (115)	5.5692E-07 (115)	4.0801E-07 (115)	3.5645E-07 (115)	2.9844E-07 (115)	2.9844E-07 (115)
12	1.7605E-06 ( 55)	1.4527E-06 ( 55)	1.1873E-06 ( 55)	1.0930E-06 ( 55)	9.5821E-07 ( 55)	9.5821E-07 ( 55)
13	8.7718E-07 (107)	6.9378E-07 (107)	5.4186E-07 (107)	4.8395E-07 (107)	4.1602E-07 (107)	4.1602E-07 (107)
14	2.1129E-06 ( 55)	1.7215E-06 ( 55)	1.3935E-06 ( 55)	1.2679E-06 ( 55)	1.1186E-06 ( 55)	1.1186E-06 ( 55)
15	1.8841E-06 ( 70)	1.4921E-06 ( 70)	1.1785E-06 ( 70)	1.0513E-06 ( 70)	9.2557E-07 ( 70)	9.2557E-07 ( 70)
16	1.3798E-06 (217)	1.0814E-06 (217)	8.4559E-07 (217)	7.5882E-07 (217)	6.5790E-07 (217)	6.5790E-07 (217)
17	1.1647E-06 (330)	9.2897E-07 (330)	7.3698E-07 (330)	5.6755E-07 ( 77)	5.9077E-07 ( 77)	5.9077E-07 ( 77)
18	3.4803E-06 (151)	2.7717E-06 (151)	2.1998E-06 (258)	1.9985E-06 (258)	1.7592E-06 (258)	1.7592E-06 (258)
19	1.0964E-06 (332)	8.9651E-07 (332)	7.2897E-07 (332)	6.6479E-07 (332)	5.8848E-07 (332)	5.8848E-07 (332)
20	1.0001E-06 ( 90)	8.1156E-07 ( 90)	6.5406E-07 ( 90)	5.9364E-07 ( 90)	5.2201E-07 ( 90)	5.2201E-07 ( 90)
21	1.8038E-06 (225)	1.4282E-06 (131)	1.1675E-06 (131)	1.0668E-06 (131)	9.4657E-07 (131)	9.4657E-07 (131)
22	2.0584E-06 (272)	1.5611E-06 (272)	1.1990E-06 (272)	1.0561E-06 (272)	9.0451E-07 (272)	9.0451E-07 (272)
23	2.7859E-06 (268)	2.2167E-06 (268)	1.7608E-06 (268)	1.5910E-06 (268)	1.3923E-06 (268)	1.3923E-06 (268)
24	2.7472E-06 (276)	2.2069E-06 (276)	1.7677E-06 (276)	1.6023E-06 (276)	1.4091E-06 (276)	1.4091E-06 (276)
25	2.3915E-06 (107)	1.9488E-06 (107)	1.5779E-06 (107)	1.4359E-06 (107)	1.2671E-06 (107)	1.2671E-06 (107)
26	3.2259E-06 (248)	2.6025E-06 (248)	2.0904E-06 (248)	1.8971E-06 (248)	1.6688E-06 (248)	1.6688E-06 (248)
27	3.2107E-06 (241)	2.5110E-06 (241)	1.9607E-06 (241)	1.7587E-06 (241)	1.5244E-06 (241)	1.5244E-06 (241)
28	2.9354E-06 (306)	2.3434E-06 (306)	1.8664E-06 (306)	1.6868E-06 (306)	1.4760E-06 (306)	1.4760E-06 (306)
29	2.3865E-06 (145)	1.8645E-06 (145)	1.4524E-06 (145)	1.3010E-06 (240)	1.1419E-06 (240)	1.1419E-06 (240)
30	2.9377E-06 (289)	2.3549E-06 (289)	1.8302E-06 (289)	1.7018E-06 (289)	1.4920E-06 (289)	1.4920E-06 (289)
31	1.6293E-06 (345)	1.2919E-06 (289)	1.0311E-06 (289)	9.3327E-07 (289)	8.1833E-07 (289)	8.1833E-07 (289)
32	2.1242E-06 (234)	1.6985E-06 (234)	1.3076E-06 (201)	1.1659E-06 (201)	1.0025E-06 (201)	1.0025E-06 (201)
33	2.3498E-06 (252)	1.8804E-06 (252)	1.5094E-06 (252)	1.3712E-06 (252)	1.2094E-06 (252)	1.2094E-06 (252)
34	1.6650E-06 (332)	1.3058E-06 (332)	1.0203E-06 (332)	9.1467E-07 (332)	7.9159E-07 (332)	7.9159E-07 (332)
35	1.3169E-06 ( 72)	1.0725E-06 ( 72)	8.6558E-07 ( 72)	7.8722E-07 ( 72)	6.9290E-07 ( 72)	6.9290E-07 ( 72)
36	2.0052E-06 ( 8)	1.5322E-06 ( 8)	1.1830E-06 ( 25)	1.0668E-06 (116)	9.4657E-07 (116)	9.4657E-07 (116)





RING DISTANCES(KM)= 19.70 25.00 31.60 35.00 40.00

STACK # 1--FEED PREP NGS  
 STACK # 2--FEED PREP SOJA, HAG HSE CGW, TRUCK LDG  
 STACK # 3--LINE BIN, COP BIN, DIKAL, BOOT DIN, BLK LDG  
 STACK # 4--MILLROOM 1 & 2  
 STACK # 5--CRANWAY  
 STACK # 6--REACTOR PARAGON & KILNS 3,4,5  
 STACK # 7--KILNS 6 & 7  
 STACK # 8--FEED PREP  
 STACK # 9--DIKAL

STACK	MONTH	EMISSION RATE (GMS/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	0.1200	29.60	0.32	15.20	317.00	1.22
2	ALL	0.4400	29.90	0.43	15.20	317.00	2.21
3	ALL	0.6400	15.10	0.46	15.20	317.00	2.53
4	ALL	1.1100	11.30	0.84	15.20	317.00	8.42
5	ALL	4.3200	53.40	2.81	15.20	317.00	94.26
6	ALL	7.4000	45.72	1.77	16.01	316.30	39.39
7	ALL	1.8900	60.96	1.77	17.56	316.30	43.21
8	ALL	2.5200	30.48	1.37	11.50	338.50	16.95
9	ALL	1.6800	21.38	1.68	8.56	319.50	18.98

PLANT NAME: 44AX - PLANT CITY

POLLUTANT: PART

EMISSION UNITS: GM/SEC

AIR QUALITY UNITS: GM/M\*\*3

MAXIMUM MEAN CONC- 5.8999E-07 DIRECTION= 27 DISTANCE= 19.7 KM

YEAR= 72

DIR	RANGE	ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR				
		19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1		3.12385E-08	3.07770E-08	2.31076E-08	2.04166E-08	1.73548E-08
2		5.57204E-08	4.92953E-08	3.72885E-08	3.30795E-08	2.93007E-08
3		4.85951E-08	3.67457E-08	2.79931E-08	2.48974E-08	2.13696E-08
4		4.22545E-08	3.16157E-08	2.38119E-08	2.10674E-08	1.79543E-08
5		4.44584E-08	3.37787E-08	2.58305E-08	2.29981E-08	1.97651E-08
6		4.87701E-08	3.71590E-08	2.94979E-08	2.54073E-08	2.18703E-08
7		4.06555E-08	3.00237E-08	2.24061E-08	1.97732E-08	1.68068E-08
8		3.05057E-08	2.23747E-08	1.56538E-08	1.46898E-08	1.24857E-08
9		1.09167E-07	8.10127E-08	5.37070E-08	5.36558E-08	4.56838E-08
10		5.47329E-08	4.77094E-08	3.54992E-08	3.12773E-08	2.65193E-08
11		4.64158E-08	3.37117E-08	2.46559E-08	2.15519E-08	1.80772E-08
12		5.15439E-08	3.86077E-08	2.70872E-08	2.57398E-08	2.19415E-08
13		5.71885E-08	5.07021E-08	3.84719E-08	3.41328E-08	2.91932E-08
14		3.04352E-08	6.87966E-08	5.23871E-08	4.65044E-08	3.97707E-08
15		6.63103E-08	5.04398E-08	3.84831E-08	3.42048E-08	2.93117E-08
16		7.75294E-08	5.96385E-08	4.59732E-08	4.10371E-08	3.53601E-08
17		5.85557E-08	4.45126E-08	3.40601E-08	3.02679E-08	2.59229E-08
18		7.71753E-08	5.87729E-08	4.48685E-08	3.98935E-08	3.41956E-08
19		7.95332E-08	6.08735E-08	4.66484E-08	4.15265E-08	3.56501E-08
20		5.07897E-08	3.75539E-08	2.79012E-08	2.45272E-08	2.07224E-08
21		1.70533E-07	1.32086E-07	1.02403E-07	9.16134E-08	7.91605E-08
22		1.54281E-07	1.16421E-07	8.81665E-08	7.81442E-08	6.67247E-08
23		3.19866E-07	2.44076E-07	1.36711E-07	1.66153E-07	1.42602E-07
24		4.14844E-07	3.19011E-07	2.45730E-07	2.19259E-07	1.88812E-07
25		3.94212E-07	2.99936E-07	2.28540E-07	2.02935E-07	1.73631E-07
26		4.12434E-07	3.13445E-07	2.38527E-07	2.11832E-07	1.81184E-07
27		5.89990E-07	4.52256E-07	3.47253E-07	3.09417E-07	2.65966E-07
28		3.67870E-07	2.81890E-07	2.16530E-07	1.93018E-07	1.66023E-07
29		2.55950E-07	1.95272E-07	1.49382E-07	1.32935E-07	1.14095E-07
30		2.93228E-07	2.31753E-07	1.80307E-07	1.61553E-07	1.39871E-07
31		1.50927E-07	1.14489E-07	8.73143E-08	7.76520E-08	6.66283E-08
32		8.41634E-08	6.29372E-08	4.74449E-08	4.20255E-08	3.58898E-08
33		1.11133E-07	8.50571E-08	6.53336E-08	5.82531E-08	5.01286E-08
34		6.93661E-08	5.25023E-08	3.99950E-08	3.55640E-08	3.05170E-08
35		6.91098E-08	5.27513E-08	4.03475E-08	3.58864E-08	3.07740E-08
36		5.42549E-08	4.08589E-08	3.09589E-08	2.74656E-08	2.34933E-08

PLANT NAME: AMAX - PLANT CITY

POLLUTANT: PART

EMISSION UNITS: GM/SEC

AIR QUALITY UNITS: GM/M\*\*3

YEARLY MAXIMUM 24-HOUR CONC= 4.7100E-06 DIRECTION= 27 DISTANCE= 19.7 KM DAY= 1

YEAR= 72

DIR	HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR				
	RANGE	19.7 KM	25.7 KM	31.6 KM	35.0 KM
1	1.6004E-06 (10)	1.2344E-05 (10)	9.4961E-07 (10)	8.4448E-07 (10)	7.2700E-07 (9)
2	2.0836E-06 (89)	1.5467E-05 (89)	1.1327E-06 (89)	1.0148E-05 (89)	8.5850E-07 (89)
3	2.7722E-06 (258)	2.2712E-05 (258)	1.8486E-06 (258)	1.6856E-06 (258)	1.4917E-06 (258)
4	1.6523E-06 (274)	1.2810E-06 (274)	9.8635E-07 (274)	8.7713E-07 (274)	7.5066E-07 (274)
5	2.5304E-06 (24)	2.0944E-06 (24)	1.7201E-06 (24)	1.5731E-06 (24)	1.3973E-06 (24)
6	2.0695E-06 (334)	1.6746E-05 (334)	1.3476E-06 (334)	1.2230E-06 (334)	1.0757E-06 (334)
7	1.1446E-06 (219)	9.0217E-07 (219)	7.0932E-07 (219)	6.3785E-07 (219)	5.5439E-07 (219)
8	1.3615E-06 (219)	1.0736E-05 (219)	8.4544E-07 (219)	7.6103E-07 (219)	6.6245E-07 (219)
9	2.5583E-06 (334)	1.9546E-06 (334)	1.4981E-06 (334)	1.3190E-06 (334)	1.1451E-06 (67)
10	1.9754E-06 (24)	1.5767E-05 (24)	1.2527E-06 (24)	1.1305E-06 (24)	9.8708E-07 (24)
11	1.0790E-06 (349)	8.0691E-07 (349)	5.0236E-07 (349)	5.2929E-07 (349)	4.4616E-07 (349)
12	1.8940E-06 (138)	1.4692E-05 (138)	1.1445E-06 (138)	1.0265E-05 (138)	8.9062E-07 (138)
13	2.7209E-06 (291)	2.2309E-05 (291)	1.8187E-06 (291)	1.6595E-06 (291)	1.4701E-06 (291)
14	1.5812E-06 (322)	1.2280E-05 (322)	9.7052E-07 (231)	8.7469E-07 (231)	7.6230E-07 (231)
15	2.4291E-06 (45)	1.9557E-06 (45)	1.5685E-06 (45)	1.4223E-06 (45)	1.2500E-06 (45)
16	1.9894E-06 (78)	1.6190E-05 (78)	1.3077E-06 (78)	1.1873E-06 (78)	1.0446E-06 (78)
17	2.0310E-06 (81)	1.6515E-06 (81)	1.3328E-06 (81)	1.2099E-06 (81)	1.0641E-06 (81)
18	1.6100E-06 (48)	1.2561E-06 (48)	9.8394E-07 (48)	8.8616E-07 (333)	7.7281E-07 (333)
19	3.3616E-06 (78)	2.7226E-06 (78)	2.1874E-06 (78)	1.9817E-06 (78)	1.7382E-06 (78)
20	1.1904E-06 (300)	8.9877E-07 (300)	6.7106E-07 (300)	5.9259E-07 (300)	4.9936E-07 (300)
21	2.0484E-06 (337)	1.6667E-05 (337)	1.3484E-06 (337)	1.2267E-06 (337)	1.0824E-06 (337)
22	2.0130E-06 (345)	1.6305E-06 (345)	1.3134E-06 (345)	1.1929E-06 (345)	1.0503E-06 (345)
23	3.4929E-06 (289)	2.8418E-06 (289)	2.3055E-06 (289)	2.0982E-05 (289)	1.8530E-06 (289)
24	4.0126E-06 (244)	3.2369E-05 (244)	2.5944E-06 (244)	2.3492E-06 (244)	2.0596E-06 (244)
25	4.0063E-06 (246)	3.1779E-06 (246)	2.5131E-06 (246)	2.2659E-06 (246)	1.9766E-06 (246)
26	3.6708E-06 (364)	2.9230E-06 (364)	2.3211E-06 (364)	2.0953E-06 (364)	1.8309E-06 (364)
27	4.7100E-06 (1)	3.7795E-06 (1)	3.0247E-06 (1)	2.7414E-06 (1)	2.4083E-06 (1)
28	4.0097E-06 (242)	3.2447E-06 (242)	2.6143E-06 (242)	2.3739E-06 (242)	2.0900E-06 (242)
29	2.5992E-06 (260)	2.0691E-05 (250)	1.6381E-06 (260)	1.4754E-06 (250)	1.2846E-06 (250)
30	3.3075E-06 (48)	2.7126E-05 (48)	2.2114E-06 (48)	2.0178E-05 (48)	1.7872E-06 (48)
31	1.9426E-06 (61)	1.5627E-05 (51)	1.2502E-06 (61)	1.1318E-06 (61)	9.9199E-07 (61)
32	1.5739E-06 (348)	1.1975E-05 (348)	9.1271E-07 (348)	8.1007E-07 (348)	6.9229E-07 (348)
33	3.1034E-06 (158)	2.4933E-06 (158)	1.9908E-06 (158)	1.8009E-06 (158)	1.5768E-06 (158)
34	1.5073E-06 (237)	1.1618E-06 (237)	9.0856E-07 (241)	8.2357E-07 (241)	7.2294E-07 (241)
35	2.4794E-06 (324)	1.9926E-05 (324)	1.6036E-06 (324)	1.4573E-06 (324)	1.2856E-06 (324)
36	1.4127E-06 (359)	1.1162E-06 (359)	8.7871E-07 (359)	7.9014E-07 (359)	6.8664E-07 (359)

PLANT NAME: ANAX - PLANT CITY      POLLUTANT: PART      EMISSION UNITS: GM/SEC      AIR QUALITY UNITS: GM/M<sup>3</sup>  
 YEARLY SECOND MAXIMUM 24-HOUR CONC= 4.2351E-06      DIRECTION= 27      DISTANCE= 19.7 KM      DAY=275  
 YEAR= 72

DIR	SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR					
	RANGE	19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1	1.3476E-06 ( 9)	1.1041E-06 ( 9)	8.9931E-07 ( 9)	8.2064E-07 ( 9)	7.2417E-07 ( 10)	
2	1.5641E-06 ( 10)	1.2098E-06 ( 10)	9.3888E-07 (195)	9.5503E-07 (195)	7.5593E-07 (195)	
3	1.1257E-06 ( 61)	9.1762E-07 ( 61)	7.4413E-07 ( 61)	6.7797E-07 ( 61)	5.9943E-07 ( 61)	
4	1.3900E-06 ( 4)	1.1075E-06 ( 4)	8.8009E-07 ( 4)	7.9520E-07 ( 4)	6.9577E-07 ( 4)	
5	1.0217E-06 (312)	7.8848E-07 (312)	6.0822E-07 (312)	5.4291E-07 (312)	4.6757E-07 (312)	
6	2.0462E-06 (239)	1.5597E-05 (239)	1.1869E-06 (239)	1.0519E-06 (239)	8.9716E-07 (239)	
7	9.1493E-07 ( 58)	6.8466E-07 ( 58)	5.0902E-07 ( 58)	4.4720E-07 ( 74)	3.8987E-07 ( 74)	
8	5.4511E-07 (243)	4.3586E-07 (243)	3.4967E-07 (243)	3.1758E-07 (243)	2.7999E-07 (243)	
9	2.3855E-06 ( 67)	1.8699E-05 ( 57)	1.4665E-06 ( 67)	1.3180E-06 ( 67)	1.1245E-06 (334)	
10	1.8037E-06 (259)	1.4767E-06 (259)	1.2020E-06 (259)	1.0967E-06 (259)	9.7127E-07 (259)	
11	6.8322E-07 (290)	5.1917E-07 (290)	3.9985E-07 (243)	3.6503E-07 (243)	3.2411E-07 (243)	
12	1.2800E-06 (237)	9.5521E-07 (237)	7.1220E-07 (237)	6.3699E-07 (292)	5.5803E-07 (292)	
13	1.4142E-06 (206)	1.1523E-06 (206)	9.3404E-07 (206)	8.5085E-07 (205)	7.5212E-07 (206)	
14	1.5436E-06 (231)	1.2272E-05 (231)	9.5119E-07 (322)	8.4997E-07 (322)	7.3263E-07 (322)	
15	1.9618E-06 (138)	1.5793E-05 (138)	1.2633E-06 (138)	1.1435E-06 (138)	1.0020E-06 (138)	
16	1.6766E-06 (112)	1.3420E-06 (112)	1.0682E-06 (112)	9.6520E-07 (112)	8.4391E-07 (112)	
17	1.1594E-06 (314)	9.2735E-07 (314)	7.3704E-07 (314)	6.6520E-07 (314)	5.8068E-07 (314)	
18	1.5631E-06 (333)	1.2417E-06 (333)	9.8296E-07 (333)	8.8440E-07 ( 48)	7.6924E-07 ( 48)	
19	1.6375E-06 ( 87)	1.2802E-05 ( 87)	9.9393E-07 ( 87)	8.8695E-07 ( 87)	7.6242E-07 ( 87)	
20	9.6961E-07 (322)	7.5060E-07 (322)	5.7910E-07 (322)	5.1609E-07 (322)	4.4319E-07 (322)	
21	1.9740E-06 (279)	1.5796E-06 (279)	1.2608E-06 (279)	1.1413E-06 (279)	1.0010E-06 (279)	
22	1.7577E-06 (204)	1.4442E-05 (204)	1.1792E-06 (204)	1.0769E-06 (204)	9.5502E-07 (204)	
23	1.0242E-06 (323)	2.4408E-06 (323)	1.9519E-06 (323)	1.7802E-06 (323)	1.5658E-06 (323)	
24	2.5820E-06 (333)	2.0528E-06 (333)	1.6297E-06 (333)	1.4716E-06 (333)	1.2869E-06 (333)	
25	2.3940E-06 (227)	1.8383E-05 (227)	1.4144E-06 (227)	1.2608E-06 (227)	1.0846E-06 (227)	
26	2.6486E-06 (253)	2.1227E-06 (253)	1.6956E-06 (253)	1.5337E-06 (253)	1.3441E-06 (253)	
27	4.2351E-06 (275)	3.3814E-06 (275)	2.6871E-06 (275)	2.4258E-06 (275)	2.1189E-06 (275)	
28	2.5698E-06 ( 54)	2.1177E-06 ( 54)	1.7338E-06 ( 54)	1.5850E-06 ( 54)	1.4074E-06 ( 54)	
29	2.3706E-06 (224)	1.8815E-06 (224)	1.4908E-06 (224)	1.3456E-06 (224)	1.1762E-06 (224)	
30	3.1671E-06 (355)	2.5344E-05 (355)	2.0150E-06 (355)	1.8188E-06 (355)	1.5881E-06 (355)	
31	1.5414E-06 (238)	1.2146E-06 (317)	9.7685E-07 (317)	8.8703E-07 (317)	7.8109E-07 (317)	
32	1.1431E-06 (162)	9.2973E-07 (162)	7.5256E-07 (162)	6.8520E-07 (162)	6.0534E-07 (162)	
33	2.2712E-06 ( 4)	1.8431E-06 ( 4)	1.4873E-06 ( 4)	1.3518E-06 ( 4)	1.1912E-06 ( 4)	
34	1.3986E-06 (241)	1.1313E-06 (241)	9.0009E-07 (237)	8.0569E-07 (237)	6.9735E-07 (237)	
35	2.4475E-06 (359)	1.9417E-06 (359)	1.5298E-06 (359)	1.3752E-06 (359)	1.1940E-06 (359)	
36	1.3647E-06 (234)	1.0372E-05 (234)	7.8947E-07 (234)	5.9869E-07 (234)	5.9598E-07 (234)	







RING DISTANCES(KM)= 19.70 25.00 31.60 35.00 40.00

STACK # 1--FEED PREP N&S  
 STACK # 2--FEED PREP SODA, BAG HSE EDW, TRUCK LDG  
 STACK # 3--LIME BIN, COP BIN, DIKAL, BOOT BIN, BLK LDG  
 STACK # 4--MILLROOM 1 & 2  
 STACK # 5--CRANEWAY  
 STACK # 6--REACTOR PARAGON & KILNS 3,4,6,5  
 STACK # 7--KILNS 6 & 7  
 STACK # 8--FEED PREP  
 STACK # 9--DIKAL

STACK	MONTH	EMISSION RATE (GMS/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	0.1200	29.60	0.32	15.20	317.00	1.22
2	ALL	0.4400	20.90	0.43	15.20	317.00	2.21
3	ALL	0.6400	15.10	0.46	15.20	317.00	2.53
4	ALL	1.1100	11.30	0.84	15.20	317.00	8.42
5	ALL	4.3200	53.40	2.81	15.20	317.00	94.26
6	ALL	7.4000	45.72	1.77	16.01	316.30	39.39
7	ALL	1.8900	60.96	1.77	17.56	316.30	43.21
8	ALL	2.5200	30.48	1.37	11.50	339.50	16.95
9	ALL	1.6800	24.38	1.68	8.56	318.50	18.98

PLANT NAME: AMAX - PLANT CITY

POLLUTANT: PART

EMISSION UNITS: GM/SEC

AIR QUALITY UNITS: GM/M<sup>3</sup>

MAXIMUM MEAN CONC= 4.4985E-07 DIRECTION= 25 DISTANCE= 19.7 KM

YEAR= 73

DIR	RANGE	ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR				
		19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1		3.77035E-08	2.73215E-08	1.99602E-08	1.74525E-08	1.46509E-08
2		2.48094E-08	1.74810E-08	1.24521E-08	1.07803E-08	8.93483E-09
3		2.79253E-08	2.04976E-08	1.52394E-08	1.34377E-08	1.14114E-08
4		3.51417E-08	2.63644E-08	1.99309E-08	1.76719E-08	1.51042E-08
5		2.42527E-08	1.78129E-08	1.32296E-08	1.16465E-08	9.86767E-09
6		4.10461E-08	3.08249E-08	2.33662E-08	2.07508E-08	1.77823E-08
7		6.89609E-08	5.17895E-08	3.91208E-08	3.46353E-08	2.95315E-08
8		3.53419E-08	2.55690E-08	1.37502E-08	1.64329E-08	1.38472E-08
9		5.38368E-08	3.90574E-08	2.86950E-08	2.51833E-08	2.12610E-08
10		4.48027E-08	3.30213E-08	2.45403E-08	2.16069E-08	1.83013E-08
11		4.52948E-08	3.35611E-08	2.50001E-08	2.20111E-08	1.86329E-08
12		1.03412E-07	7.92510E-08	6.07709E-08	5.40812E-08	4.63939E-08
13		8.37841E-08	6.35405E-08	4.82569E-08	4.27869E-08	3.65337E-08
14		8.19031E-08	6.18659E-08	4.68617E-08	4.15297E-08	3.54482E-08
15		4.54843E-08	3.36640E-08	2.49993E-08	2.19703E-08	1.85495E-08
16		5.83768E-08	4.37072E-08	3.28036E-08	2.89487E-08	2.45688E-08
17		8.10234E-08	6.14232E-08	4.56900E-08	4.14381E-08	3.54434E-08
18		9.88858E-08	7.56621E-08	5.80473E-08	5.17161E-08	4.44554E-08
19		5.86546E-08	6.74301E-08	5.14077E-08	4.56741E-08	3.91118E-08
20		8.37272E-08	6.21881E-08	4.64396E-08	4.09265E-08	3.46948E-08
21		2.11718E-07	1.61609E-07	1.23696E-07	1.10110E-07	9.45467E-08
22		2.01176E-07	1.53867E-07	1.18022E-07	1.05152E-07	9.03972E-08
23		2.23348E-07	1.69722E-07	1.29327E-07	1.14902E-07	9.84004E-08
24		3.83674E-07	2.95097E-07	2.27348E-07	2.02875E-07	1.74729E-07
25		4.49854E-07	3.45349E-07	2.65579E-07	2.36792E-07	2.03708E-07
26		3.38374E-07	2.58536E-07	1.97971E-07	1.76213E-07	1.51261E-07
27		4.06350E-07	3.07209E-07	2.32889E-07	2.06439E-07	1.76265E-07
28		2.81110E-07	2.12719E-07	1.61572E-07	1.43409E-07	1.22684E-07
29		2.39706E-07	1.80556E-07	1.36530E-07	1.20931E-07	1.03174E-07
30		3.12746E-07	2.37945E-07	1.91531E-07	1.61353E-07	1.38270E-07
31		1.87348E-07	1.41242E-07	1.06972E-07	9.48350E-08	8.10113E-08
32		1.17789E-07	8.72898E-08	6.50938E-08	5.73518E-08	4.86083E-08
33		9.06296E-08	6.80371E-08	5.14634E-08	4.56456E-08	3.90405E-08
34		7.78321E-08	5.87317E-08	4.46525E-08	3.96876E-08	3.40394E-08
35		4.66590E-08	3.47152E-08	2.59330E-08	2.28445E-08	1.93461E-08
36		5.94591E-08	4.43435E-08	3.33057E-08	2.94437E-08	2.50662E-08

PLANT NAME: ANAX - PLANT CITY

POLLUTANT: PART

EMISSION UNITS: GM/SEC

AIR QUALITY UNITS: GM/M\*\*3

YEARLY MAXIMUM 24-HOUR CONC= 5.0902E-06 DIRECTION= 12 DISTANCE= 19.7 KM DAY=362

YEAR= 73

DIR	HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR					
	RANGE	19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1	1.1064E-06 (45)	8.0826E-07 (45)	6.1797E-07 (3)	5.5624E-07 (3)	4.8402E-07 (3)	
2	9.0435E-07 (338)	6.5586E-07 (338)	4.7773E-07 (338)	4.1664E-07 (338)	3.4829E-07 (338)	
3	1.2111E-06 (186)	9.7911E-07 (186)	7.8948E-07 (186)	7.1797E-07 (186)	6.3339E-07 (186)	
4	2.1574E-06 (56)	1.6066E-05 (56)	1.1998E-06 (56)	1.0575E-06 (56)	8.9610E-07 (56)	
5	1.6147E-06 (307)	1.2552E-06 (307)	9.6878E-07 (307)	9.6233E-07 (307)	7.3875E-07 (307)	
6	1.3961E-06 (181)	1.1146E-06 (181)	8.8907E-07 (181)	8.0533E-07 (181)	7.0722E-07 (181)	
7	2.5698E-06 (20)	1.9851E-06 (20)	1.5268E-06 (20)	1.3584E-06 (20)	1.1637E-06 (20)	
8	8.7274E-07 (63)	6.5192E-07 (63)	4.8832E-07 (63)	4.3045E-07 (63)	3.6476E-07 (63)	
9	1.4674E-06 (27)	1.0758E-05 (27)	7.9126E-07 (27)	5.9309E-07 (27)	5.8252E-07 (27)	
10	1.3184E-06 (38)	1.0829E-06 (38)	8.8402E-07 (38)	8.0731E-07 (38)	7.1589E-07 (38)	
11	1.8827E-06 (222)	1.4259E-06 (222)	1.0804E-06 (222)	9.5694E-07 (222)	8.1563E-07 (222)	
12	5.0902E-06 (362)	3.9906E-06 (362)	3.1104E-06 (362)	2.7923E-06 (362)	2.4003E-06 (362)	
13	3.3832E-06 (206)	2.6935E-06 (206)	2.1345E-06 (206)	1.9240E-06 (206)	1.6771E-06 (206)	
14	3.0230E-06 (86)	2.3239E-06 (86)	1.7862E-06 (86)	1.5914E-06 (86)	1.3671E-06 (86)	
15	1.4234E-06 (37)	1.1177E-06 (37)	8.7643E-07 (37)	7.8789E-07 (37)	6.8827E-07 (37)	
16	1.5308E-06 (263)	1.1912E-06 (263)	9.2598E-07 (263)	9.2942E-07 (263)	7.1752E-07 (263)	
17	1.9523E-06 (233)	1.5735E-06 (233)	1.2622E-06 (233)	1.1448E-06 (233)	1.0062E-06 (233)	
18	1.7980E-06 (249)	1.4735E-06 (249)	1.2003E-06 (249)	1.0953E-06 (249)	9.7036E-07 (249)	
19	2.0478E-06 (334)	1.6227E-06 (334)	1.2918E-06 (334)	1.1547E-06 (334)	1.0061E-06 (334)	
20	1.3812E-06 (221)	1.0885E-06 (221)	8.5450E-07 (221)	7.6753E-07 (221)	6.6602E-07 (221)	
21	2.1993E-06 (280)	1.7260E-06 (280)	1.3508E-06 (280)	1.2180E-06 (221)	1.0690E-06 (221)	
22	3.2951E-06 (30)	2.6971E-06 (30)	2.1918E-06 (30)	1.9955E-06 (30)	1.7621E-06 (30)	
23	2.1767E-06 (265)	1.7319E-06 (265)	1.3734E-06 (265)	1.2398E-06 (265)	1.0832E-06 (265)	
24	2.6822E-06 (307)	2.1508E-06 (307)	1.7154E-06 (307)	1.5500E-06 (307)	1.3552E-06 (307)	
25	2.5995E-06 (285)	2.0763E-06 (237)	1.6561E-06 (237)	1.4974E-06 (237)	1.3104E-06 (237)	
26	2.3573E-06 (327)	1.8439E-06 (327)	1.4385E-06 (327)	1.2892E-06 (327)	1.1159E-06 (327)	
27	2.7781E-06 (263)	2.2369E-06 (263)	1.7941E-06 (263)	1.6267E-06 (263)	1.4291E-06 (263)	
28	2.6560E-06 (358)	2.0788E-06 (358)	1.6261E-06 (358)	1.4599E-06 (358)	1.2667E-06 (358)	
29	3.1361E-06 (39)	2.5888E-06 (39)	2.1177E-06 (39)	1.9327E-06 (39)	1.7114E-06 (39)	
30	2.3246E-06 (2)	1.8586E-06 (2)	1.4796E-06 (2)	1.3368E-06 (2)	1.1693E-06 (2)	
31	2.9619E-06 (182)	2.4184E-06 (182)	1.9641E-06 (182)	1.7894E-06 (182)	1.5821E-06 (182)	
32	1.2695E-06 (152)	1.0320E-06 (152)	8.3556E-07 (152)	7.6109E-07 (152)	6.7265E-07 (152)	
33	2.8911E-06 (228)	2.3533E-06 (228)	1.9043E-06 (228)	1.7326E-06 (228)	1.5288E-06 (228)	
34	1.8243E-06 (153)	1.4457E-06 (153)	1.1452E-06 (153)	1.0343E-06 (153)	9.0462E-07 (153)	
35	2.2042E-06 (73)	1.7738E-06 (73)	1.4184E-06 (73)	1.2838E-06 (73)	1.1247E-06 (73)	
36	1.3817E-06 (3)	1.1276E-06 (3)	9.1555E-07 (3)	8.3449E-07 (3)	7.3823E-07 (3)	

PLANT NAME: ANAX - PLANT CITY POLLUTANT: PART EMISSION UNITS: GM/SEC AIR QUALITY UNITS: GM/M\*\*3  
 YEARLY SECCND MAXIMUM 24-HOUR CONC= 2.6463E-06 DIRECTION= 24 DISTANCE= 19.7 KM DAY=205  
 YEAR= 73

DIR	SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR					
	RANGE 19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM	
1	9.8900E-07 ( 3)	7.8351E-07 ( 3)	5.9282E-07 ( 45)	5.1843E-07 ( 45)	4.3484E-07 ( 45)	
2	3.2863E-07 ( 79)	2.2783E-07 ( 79)	1.6208E-07 ( 221)	1.4019E-07 ( 221)	1.1589E-07 ( 221)	
3	6.5153E-07 (178)	4.8429E-07 (178)	3.6129E-07 (178)	3.1902E-07 (178)	2.6903E-07 (178)	
4	1.3879E-06 ( 69)	1.1330E-06 ( 59)	9.2308E-07 ( 69)	8.3869E-07 ( 69)	7.4199E-07 ( 69)	
5	7.8115E-07 (301)	5.6847E-07 (301)	4.1453E-07 (301)	3.6103E-07 (301)	3.0106E-07 (301)	
6	1.0757E-06 (178)	8.4768E-07 (178)	6.6444E-07 (178)	5.9641E-07 (178)	5.1702E-07 (178)	
7	1.9711E-06 (114)	1.5185E-06 (325)	1.1744E-06 (325)	1.0467E-06 (325)	8.9852E-07 (325)	
8	7.2749E-07 (301)	5.4307E-07 (322)	4.0901E-07 (322)	3.6069E-07 (322)	3.0557E-07 (322)	
9	1.1060E-06 (319)	8.8662E-07 (319)	7.0696E-07 (319)	6.3917E-07 (319)	5.5932E-07 (319)	
10	1.1644E-06 ( 19)	9.2325E-07 ( 19)	7.3175E-07 ( 19)	5.6110E-07 ( 19)	5.7852E-07 ( 19)	
11	1.1096E-06 (135)	8.9159E-07 (135)	7.1230E-07 (135)	6.4444E-07 (135)	5.6438E-07 (135)	
12	2.5780E-06 ( 19)	2.0620E-06 ( 19)	1.6415E-06 ( 19)	1.4820E-06 ( 19)	1.2946E-06 ( 19)	
13	1.4083E-06 (170)	1.1481E-06 (170)	9.3100E-07 (170)	8.4821E-07 (170)	7.4993E-07 (170)	
14	1.7793E-06 (289)	1.3064E-06 (289)	9.6048E-07 (289)	8.3987E-07 (289)	7.0395E-07 (289)	
15	1.2961E-06 (346)	1.0586E-06 (346)	8.5923E-07 (346)	7.8065E-07 (346)	6.8512E-07 ( 37)	
16	1.1957E-06 ( 42)	9.4541E-07 ( 42)	7.4521E-07 ( 42)	6.7060E-07 ( 42)	5.8340E-07 ( 42)	
17	1.8368E-06 (103)	1.4614E-06 (103)	1.1630E-06 (103)	1.0521E-06 (103)	9.2268E-07 (103)	
18	1.3881E-06 (326)	1.1051E-06 (326)	8.7778E-07 (326)	7.9932E-07 ( 25)	7.0841E-07 ( 25)	
19	1.8710E-06 ( 16)	1.5332E-06 ( 16)	1.2462E-06 ( 16)	1.1342E-06 ( 16)	1.0009E-06 ( 16)	
20	1.2180E-06 (278)	9.4581E-07 (278)	7.3563E-07 (278)	6.5961E-07 (278)	5.7177E-07 (278)	
21	2.0984E-06 (221)	1.6807E-06 (221)	1.3446E-06 (221)	1.2122E-06 (280)	1.0508E-06 (280)	
22	1.7322E-06 ( 96)	1.3958E-06 ( 96)	1.1241E-06 ( 96)	1.0219E-06 ( 96)	9.0171E-07 ( 96)	
23	1.8602E-06 (239)	1.4920E-06 (239)	1.1931E-06 (239)	1.0807E-06 (239)	9.4846E-07 (239)	
24	2.6463E-06 (205)	2.1063E-06 (205)	1.6680E-06 (205)	1.5040E-06 (205)	1.3117E-06 (205)	
25	2.5885E-06 (237)	1.9967E-06 (285)	1.5715E-06 (286)	1.4201E-06 (286)	1.2429E-06 (286)	
26	2.2610E-06 (308)	1.7495E-06 (308)	1.3542E-06 (308)	1.2105E-06 (308)	1.0445E-06 (308)	
27	2.3999E-06 (203)	1.8700E-06 (203)	1.4573E-06 (203)	1.3071E-06 (203)	1.1330E-06 (203)	
28	1.9211E-06 (300)	1.5111E-06 (300)	1.1961E-06 (300)	1.0657E-06 (300)	9.2582E-07 (300)	
29	2.5771E-06 (344)	2.1256E-06 (344)	1.7441E-06 (344)	1.5956E-06 (344)	1.4186E-06 (344)	
30	2.1851E-06 (320)	1.7621E-06 (320)	1.4109E-06 (320)	1.2763E-06 (320)	1.1175E-06 (320)	
31	2.4358E-06 ( 62)	1.9580E-06 ( 62)	1.5671E-06 ( 62)	1.4192E-06 ( 62)	1.2449E-06 ( 52)	
32	1.2459E-06 (223)	9.5983E-07 (223)	7.4968E-07 (326)	6.7522E-07 (326)	5.8891E-07 (326)	
33	1.8981E-06 (252)	1.5533E-06 (252)	1.2643E-06 (252)	1.1534E-06 (252)	1.0216E-06 (252)	
34	1.2053E-06 (150)	9.3329E-07 (226)	7.3445E-07 (226)	6.6125E-07 (226)	5.7592E-07 (226)	
35	9.9055E-07 (228)	7.6254E-07 (228)	5.8183E-07 (228)	5.1539E-07 (228)	4.3852E-07 (228)	
36	1.1597E-06 (170)	9.4157E-07 (170)	7.6097E-07 (170)	6.9248E-07 (170)	6.1135E-07 (170)	

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          AAAAAAAAAA NN          NN AAAAAAAAAA AAAAAAAAAA 7777777777 344
          AAAAAAAAAA NNN          NN AAAAAAAAAA AAAAAAAAAA 7777777777 4444
        AA          AA VNNN          NN AA          AA AA          AA 77 77 44 44
        AA          AA NN NN          NN AA          AA AA          AA 77 77 44 44
        AA          AA NN NN          NN AA          AA AA          AA 77 77 44 44
        AAAAAAAAAA NN NN          NN AAAAAAAAAA AAAAAAAAAA 77 77 44 44 44 44
        AAAAAAAAAA VN NN NN          NN AAAAAAAAAA AAAAAAAAAA 77 77 44 44 44 44
        AA          AA VN NN NN          NN AA          AA AA          AA 77 77 44 44
        AA          AA VN NNNN          NN AA          AA AA          AA 77 77 44 44
        AA          AA NN NNN          NN AA          AA AA          AA 77 77 44 44
        AA          AA NN NN          NN AA          AA AA          AA 77 77 44 44
        AA          AA NN          N AA          AA AA          AA 77 77 44 44
  
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JJJJJJJJJJ 9999999999 3333333333 7777777777 8888888888 AAAAAAAAAA
JJJJJJJJJJ 99999999999 33333333333 77777777777 88888888888 88888888888
JJ          99          33          77          88          AA          AA
JJ          99          33          77          88          AA          AA
JJ          99          33          77          88          AA          AA
JJ          99999999999 3333          77          88888888 88888888888
JJ          99999999999 3333          77          88888888 88888888888
JJ          JJ          99          33          77          88          AA          AA
JJ          JJ          99          33          77          88          AA          AA
JJ          JJ          99          33          77          88          AA          AA
JJJJJJJJJJ 99999999999 33333333333 77          88888888888 88888888888
JJJJJJJJJJ 99999999999 33333333333 77          88888888888 88888888888
  
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0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	92	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JCB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	92	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JCB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	92	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*
0A	START	JOB	9378	ANAA74	0001	0001	NER	AMAX-PLANT	CITY	80001046.002	12.35.21	AM	30	JAN	82	PRINTER1	SYS	VER1	START	A*

PLANT NAME: ANAX - PLANT CITY      POLLUTANT: PART      EMISSION UNITS: GM/SEC      AIR QUALITY UNITS: GM/M\*\*3  
 IMPACT 3 MIL-SBROUGH CO. NON-ATTAINMENT AREA  
 TAMPA MET DATA

NET FILE      REQUESTED  
 STN NO. YR      STN NO. YR  
 SURFACE      12842 74      12842 74  
 UPPER AIR      12842 74      12842 74  
 PLANT LOCATION: RURAL  
 OUTPUT TAPE TO BE WRITTEN  
 MET DATA WILL NOT BE PRINTED

DAY--	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	1	1	1	1	1	0
	0	1	0	1	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0	0	1	1	0	1	1	1	0	0	0	0	1	1	1	0	0	0	1	
	1	0	1	1	1	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1	1	0	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1	1	1	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1	1	1	0	1	1	0	1	1	1	0	1	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1

\* \* \* \* \* NOTE \* \* \* \* \*  
 ALL TABLES, INCLUDING SOURCE CONTRIBUTION, THAT CONTAIN "ANNUAL" IN THE HEADING ARE BASED ONLY ON THOSE DAYS  
 MARKED BY "1" IN THE ABOVE TABLE

RING DISTANCES(KM)= 19.70 25.00 31.60 35.00 40.00

STACK # 1--FEED PREP N&S  
 STACK # 2--FEED PREP SOJA, BAG HSE E&W, TRUCK LDG  
 STACK # 3--LIME BIN, CDP BIN, DIKAL, BUJT BIN, BLK LDG  
 STACK # 4--MILLROOM 1 & 2  
 STACK # 5--CRANEWAY  
 STACK # 6--REACTOR PARAGON & KILNS 3,4,&5  
 STACK # 7--KILNS 6 & 7  
 STACK # 8--FEED PREP  
 STACK # 9--DIKAL

STACK	MONTH	EMISSION RATE (GMS/SEC)	HEIGHT (METERS)	DIAMETER (METERS)	EXIT VELOCITY (M/SEC)	TEMP (DEG.K)	VOLUMETRIC FLOW (M**3/SEC)
1	ALL	0.1200	29.60	0.32	15.20	317.00	1.22
2	ALL	0.4400	20.90	0.43	15.20	317.00	2.21
3	ALL	0.6400	16.10	0.46	15.20	317.00	2.53
4	ALL	1.1100	11.30	0.84	15.20	317.00	6.42
5	ALL	4.3200	53.40	2.81	15.20	317.00	94.26
6	ALL	7.4000	45.72	1.77	16.01	316.30	39.39
7	ALL	1.8900	60.96	1.77	17.56	316.30	43.21
8	ALL	2.5200	30.48	1.37	11.50	338.50	16.95
9	ALL	1.6800	24.38	1.68	8.56	318.50	18.98



PLANT NAME: AMAX - PLANT CITY

POLLUTANT: PART

EMISSION UNITS: GM/SEC

AIR QUALITY UNITS: GM/M\*\*3

MAXIMUM MEAN CONC= 4.2391E-07 DIRECTION= 27 DISTANCE= 19.7 KM

YEAR= 74

DIR	RANGE	ANNUAL MEAN CONCENTRATION AT EACH RECEPTOR				
		19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1		5.87382E-08	4.34353E-08	3.21527E-08	2.82041E-08	2.37421E-08
2		4.86164E-08	3.62694E-08	2.70944E-08	2.38597E-08	2.01906E-08
3		4.83481E-08	3.67200E-08	2.79107E-08	2.47496E-08	2.11344E-08
4		4.61781E-08	3.46333E-08	2.59959E-08	2.29264E-08	1.94366E-08
5		7.02871E-08	5.37456E-08	4.10963E-08	3.65224E-08	3.12733E-08
6		7.76076E-08	5.95256E-08	4.56838E-08	4.06778E-08	3.49257E-08
7		8.25782E-08	6.27061E-08	4.76032E-08	4.21677E-08	3.59500E-08
8		7.07380E-08	5.26658E-08	3.92699E-08	3.45476E-08	2.91966E-08
9		1.59320E-07	1.20711E-07	9.15303E-08	8.10822E-08	6.91419E-08
10		9.95873E-08	7.53907E-08	5.71458E-08	5.06183E-08	4.31641E-08
11		6.09405E-08	4.59631E-08	3.46903E-08	3.06667E-08	2.60806E-08
12		7.02477E-08	5.33652E-08	4.05158E-08	3.58930E-08	3.06003E-08
13		8.34229E-08	6.50028E-08	5.05735E-08	4.52645E-08	3.91160E-08
14		9.48955E-08	7.36918E-08	5.70944E-08	5.09967E-08	4.39401E-08
15		7.49400E-08	5.71764E-08	4.35745E-08	3.86607E-08	3.30238E-08
16		7.46624E-08	5.71082E-08	4.36424E-08	3.87688E-08	3.31701E-08
17		8.36438E-08	6.34871E-08	4.82107E-08	4.27337E-08	3.64721E-08
18		1.13058E-07	8.61565E-08	5.56405E-08	5.82514E-08	4.97818E-08
19		4.77337E-08	3.58720E-08	2.70085E-08	2.38658E-08	2.02916E-08
20		1.23121E-07	9.42770E-08	7.21680E-08	6.41703E-08	5.49828E-08
21		1.90745E-07	1.46023E-07	1.11708E-07	9.92870E-08	8.50193E-08
22		2.52266E-07	1.94081E-07	1.49216E-07	1.32912E-07	1.14140E-07
23		2.28198E-07	1.74437E-07	1.33196E-07	1.18277E-07	1.01148E-07
24		2.44654E-07	2.66964E-07	2.06497E-07	1.84378E-07	1.58929E-07
25		3.85728E-07	2.97841E-07	2.29576E-07	2.04646E-07	1.75886E-07
26		2.82879E-07	2.19563E-07	1.70121E-07	1.51983E-07	1.31006E-07
27		4.23914E-07	3.28929E-07	2.54622E-07	2.27330E-07	1.95766E-07
28		3.21258E-07	2.46756E-07	1.89290E-07	1.68394E-07	1.44356E-07
29		2.50165E-07	1.92355E-07	1.47642E-07	1.31354E-07	1.12598E-07
30		2.55971E-07	1.97227E-07	1.51655E-07	1.35008E-07	1.15823E-07
31		2.21140E-07	1.69394E-07	1.29665E-07	1.15280E-07	9.97490E-08
32		1.61971E-07	1.22814E-07	9.30839E-08	8.24115E-08	7.02067E-08
33		1.53125E-07	1.16662E-07	8.98307E-08	7.87917E-08	6.72898E-08
34		9.94339E-08	7.51231E-08	5.57746E-08	5.02164E-08	4.27318E-08
35		7.66796E-08	5.80141E-08	4.38974E-08	3.88425E-08	3.30700E-08
36		9.17065E-08	7.05789E-08	5.43796E-08	4.85140E-08	4.17670E-08

PLANT NAME: ANAX - PLANT CITY      POLLUTANT: PART      EMISSION UNITS: GM/SEC      AIR QUALITY UNITS: GM/M\*\*3  
 YEARLY MAXIMUM 24-HOUR CONC= 5.6328E-06      DIRECTION= 27      DISTANCE= 19.7 KM      DAY=358  
 YEAR= 74

DIR	RANGE	HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR				
		13.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM
1	9.2009E-07 (363)	6.9728E-07 (363)	5.2484E-07 (363)	4.6349E-07 (363)	3.9621E-07 (106)	
2	8.1471E-07 (85)	6.2418E-07 (130)	4.9588E-07 (130)	4.4867E-07 (130)	3.9195E-07 (130)	
3	1.6049E-06 (94)	1.2765E-06 (94)	1.0129E-06 (94)	9.1404E-07 (94)	7.9843E-07 (94)	
4	6.9945E-07 (162)	5.4597E-07 (162)	4.3569E-07 (200)	3.9565E-07 (200)	3.4810E-07 (200)	
5	1.1079E-06 (22)	9.0551E-07 (22)	7.3511E-07 (22)	6.6939E-07 (22)	5.9133E-07 (22)	
6	1.5659E-06 (248)	1.2716E-06 (248)	1.0258E-06 (248)	9.3266E-07 (203)	8.2487E-07 (203)	
7	3.3300E-06 (87)	2.7697E-06 (87)	2.2905E-06 (87)	2.0853E-06 (87)	1.8508E-06 (87)	
8	1.1240E-06 (353)	9.3510E-07 (353)	7.6592E-07 (353)	7.0045E-07 (353)	6.2073E-07 (353)	
9	1.9876E-06 (9)	1.6333E-06 (9)	1.3310E-06 (9)	1.2123E-06 (9)	1.0706E-06 (9)	
10	2.1647E-06 (17)	1.8224E-06 (17)	1.5182E-06 (17)	1.3962E-06 (17)	1.2491E-06 (17)	
11	1.6400E-06 (133)	1.3488E-06 (133)	1.1012E-06 (133)	1.0051E-06 (133)	8.9037E-07 (133)	
12	1.3724E-06 (292)	1.0790E-06 (292)	8.4532E-07 (292)	7.5839E-07 (292)	6.5696E-07 (292)	
13	2.4111E-06 (192)	2.0111E-06 (192)	1.6651E-06 (192)	1.5276E-06 (192)	1.3625E-06 (192)	
14	2.1901E-06 (210)	1.7891E-06 (210)	1.4492E-06 (210)	1.3164E-06 (210)	1.1585E-06 (210)	
15	1.4320E-06 (151)	1.1541E-06 (151)	9.2658E-07 (151)	8.4022E-07 (151)	7.3844E-07 (151)	
16	1.6546E-06 (214)	1.2999E-06 (214)	1.0093E-06 (214)	8.9993E-07 (214)	7.7233E-07 (214)	
17	1.4345E-06 (334)	1.1121E-06 (326)	8.8127E-07 (326)	7.9383E-07 (326)	6.9207E-07 (260)	
18	1.4990E-06 (182)	1.2255E-06 (182)	9.9180E-07 (182)	9.0069E-07 (182)	7.9220E-07 (182)	
19	1.1600E-06 (124)	9.6668E-07 (124)	7.9921E-07 (124)	7.3320E-07 (124)	6.5390E-07 (124)	
20	1.9266E-06 (54)	1.5929E-06 (54)	1.3066E-06 (54)	1.1946E-06 (54)	1.0606E-06 (54)	
21	1.6264E-06 (172)	1.3456E-06 (172)	1.1058E-06 (172)	1.0119E-06 (172)	8.9955E-07 (172)	
22	2.0470E-06 (240)	1.6845E-06 (240)	1.4010E-06 (215)	1.2943E-06 (215)	1.1645E-06 (215)	
23	2.2245E-06 (57)	1.8119E-06 (57)	1.4637E-06 (57)	1.3299E-06 (57)	1.1714E-06 (57)	
24	2.6609E-06 (182)	2.2216E-06 (182)	1.8351E-06 (182)	1.6804E-06 (182)	1.4940E-06 (182)	
25	3.6410E-06 (64)	3.0177E-06 (64)	2.4833E-06 (64)	2.2739E-06 (54)	2.0233E-06 (64)	
26	3.4700E-06 (308)	2.7894E-06 (308)	2.2250E-06 (308)	2.0107E-06 (308)	1.7582E-06 (308)	
27	5.6328E-06 (358)	4.6847E-06 (358)	3.8571E-06 (358)	3.5272E-06 (358)	3.1311E-06 (358)	
28	2.5156E-06 (227)	2.0376E-06 (227)	1.6407E-06 (227)	1.4875E-06 (227)	1.3064E-06 (227)	
29	2.0046E-06 (248)	1.6144E-06 (224)	1.3045E-06 (224)	1.1847E-06 (224)	1.0424E-06 (224)	
30	2.3533E-06 (105)	1.9459E-06 (105)	1.6017E-06 (105)	1.4670E-06 (105)	1.3062E-06 (105)	
31	1.9762E-06 (139)	1.5191E-06 (139)	1.2233E-06 (9)	1.1100E-06 (9)	9.7573E-07 (9)	
32	2.1181E-06 (232)	1.7217E-06 (232)	1.3870E-06 (232)	1.2575E-06 (232)	1.1039E-06 (232)	
33	1.7410E-06 (168)	1.4349E-06 (168)	1.1741E-06 (168)	1.0717E-06 (168)	9.4926E-07 (168)	
34	1.5407E-06 (216)	1.1590E-06 (216)	8.7262E-07 (216)	7.7041E-07 (216)	6.5518E-07 (133)	
35	1.1647E-06 (95)	8.8509E-07 (95)	6.8888E-07 (190)	6.2157E-07 (190)	5.4253E-07 (190)	
36	1.7734E-06 (352)	1.4071E-06 (352)	1.1193E-06 (352)	1.0127E-06 (352)	8.8838E-07 (352)	

PLANT NAME: AMAX - PLANT CITY      POLLUTANT: PART      EMISSION UNITS: GM/SEC      AIR QUALITY UNITS: GM/M\*\*3  
 YEARLY SECOND MAXIMUM 24-HOUR CONC= 2.9900E-06      DIRECTION= 27      DISTANCE= 19.7 KM      DAY=348  
 YEAR= 74

DIR	SECOND HIGHEST 24-HOUR CONCENTRATION AT EACH RECEPTOR									
	RANGE	19.7 KM	25.0 KM	31.6 KM	35.0 KM	40.0 KM				
1	7.9333E-07	(106)	6.3242E-07	(106)	5.0225E-07	(106)	4.5348E-07	(106)	3.9315E-07	(363)
2	7.7955E-07	(130)	6.0163E-07	(85)	4.4675E-07	(85)	4.0344E-07	(14)	3.5398E-07	(14)
3	1.3117E-06	(130)	1.0720E-06	(130)	8.6935E-07	(130)	7.9052E-07	(130)	6.9673E-07	(130)
4	6.8425E-07	(172)	5.3980E-07	(200)	4.2518E-07	(162)	3.8053E-07	(152)	3.2868E-07	(162)
5	1.0066E-06	(245)	8.1793E-07	(245)	6.5917E-07	(245)	5.9788E-07	(245)	5.2520E-07	(245)
6	1.5396E-06	(203)	1.2586E-06	(203)	1.0234E-06	(203)	9.3097E-07	(248)	8.1849E-07	(248)
7	1.1305E-06	(19)	8.9991E-07	(19)	7.1041E-07	(19)	6.3867E-07	(19)	5.5443E-07	(19)
8	8.9438E-07	(48)	7.1941E-07	(48)	5.7503E-07	(48)	5.2003E-07	(48)	4.5516E-07	(48)
9	1.5109E-06	(26)	1.2382E-06	(26)	1.0077E-06	(26)	9.1867E-07	(26)	8.1260E-07	(26)
10	1.5511E-06	(214)	1.1906E-06	(214)	9.1045E-07	(214)	8.0824E-07	(214)	6.9143E-07	(223)
11	1.4381E-06	(272)	1.2080E-06	(272)	1.0058E-06	(272)	9.2512E-07	(272)	8.2772E-07	(272)
12	1.1822E-06	(125)	9.3498E-07	(151)	7.6686E-07	(151)	7.0040E-07	(151)	6.2069E-07	(151)
13	2.0592E-06	(276)	1.6609E-06	(276)	1.3326E-06	(276)	1.2076E-06	(276)	1.0602E-06	(276)
14	1.6121E-06	(110)	1.2338E-06	(110)	9.3991E-07	(110)	8.3507E-07	(193)	7.3652E-07	(193)
15	1.2338E-06	(199)	9.9434E-07	(199)	7.9721E-07	(199)	7.2225E-07	(199)	6.3398E-07	(199)
16	1.1747E-06	(199)	9.7584E-07	(199)	8.0481E-07	(199)	7.3768E-07	(199)	6.5722E-07	(199)
17	1.3946E-06	(326)	1.1072E-06	(334)	8.5430E-07	(260)	7.8021E-07	(260)	6.9118E-07	(326)
18	1.2316E-06	(317)	9.8581E-07	(347)	8.1171E-07	(347)	7.4352E-07	(347)	6.6189E-07	(347)
19	9.7647E-07	(309)	8.0904E-07	(309)	6.6550E-07	(309)	6.0943E-07	(309)	5.4228E-07	(309)
20	1.7505E-06	(207)	1.4471E-06	(207)	1.1955E-06	(207)	1.0819E-06	(207)	9.5791E-07	(207)
21	1.4622E-06	(310)	1.1762E-06	(310)	9.3751E-07	(310)	8.4596E-07	(310)	7.3788E-07	(310)
22	2.0000E-06	(300)	1.6620E-06	(215)	1.3751E-06	(240)	1.2534E-06	(240)	1.1081E-06	(240)
23	2.1681E-06	(301)	1.7012E-06	(301)	1.3278E-06	(301)	1.1888E-06	(301)	1.0267E-06	(301)
24	2.1464E-06	(254)	1.7309E-06	(254)	1.3914E-06	(254)	1.2623E-06	(254)	1.1103E-06	(254)
25	2.8232E-06	(286)	2.2043E-06	(286)	1.7178E-06	(286)	1.5380E-06	(286)	1.3293E-06	(286)
26	2.4212E-06	(266)	1.9211E-06	(266)	1.5138E-06	(266)	1.3600E-06	(266)	1.1796E-06	(266)
27	2.9900E-06	(348)	2.4041E-06	(348)	1.9252E-06	(348)	1.7437E-06	(348)	1.5299E-06	(348)
28	1.9459E-06	(202)	1.5929E-06	(245)	1.3066E-06	(245)	1.1946E-06	(245)	1.0606E-06	(245)
29	1.9826E-06	(224)	1.5708E-06	(248)	1.2261E-06	(248)	1.0980E-06	(248)	9.4898E-07	(248)
30	2.1954E-06	(248)	1.7875E-06	(248)	1.4462E-06	(248)	1.3136E-06	(248)	1.1564E-06	(248)
31	1.8681E-06	(9)	1.5174E-06	(9)	1.1675E-06	(139)	1.0398E-06	(139)	8.9704E-07	(49)
32	1.9317E-06	(29)	1.5115E-06	(29)	1.1798E-06	(29)	1.0570E-06	(29)	9.1430E-07	(29)
33	1.4576E-06	(13)	1.1751E-06	(13)	9.4179E-07	(13)	8.5236E-07	(13)	7.4685E-07	(13)
34	1.3317E-06	(133)	1.0573E-06	(133)	8.3586E-07	(133)	7.5263E-07	(133)	6.5404E-07	(216)
35	1.0875E-06	(190)	8.6747E-07	(190)	6.6997E-07	(95)	5.9117E-07	(95)	5.0225E-07	(95)
36	1.4377E-06	(214)	1.2078E-06	(214)	1.0057E-06	(214)	9.2504E-07	(214)	8.2767E-07	(214)