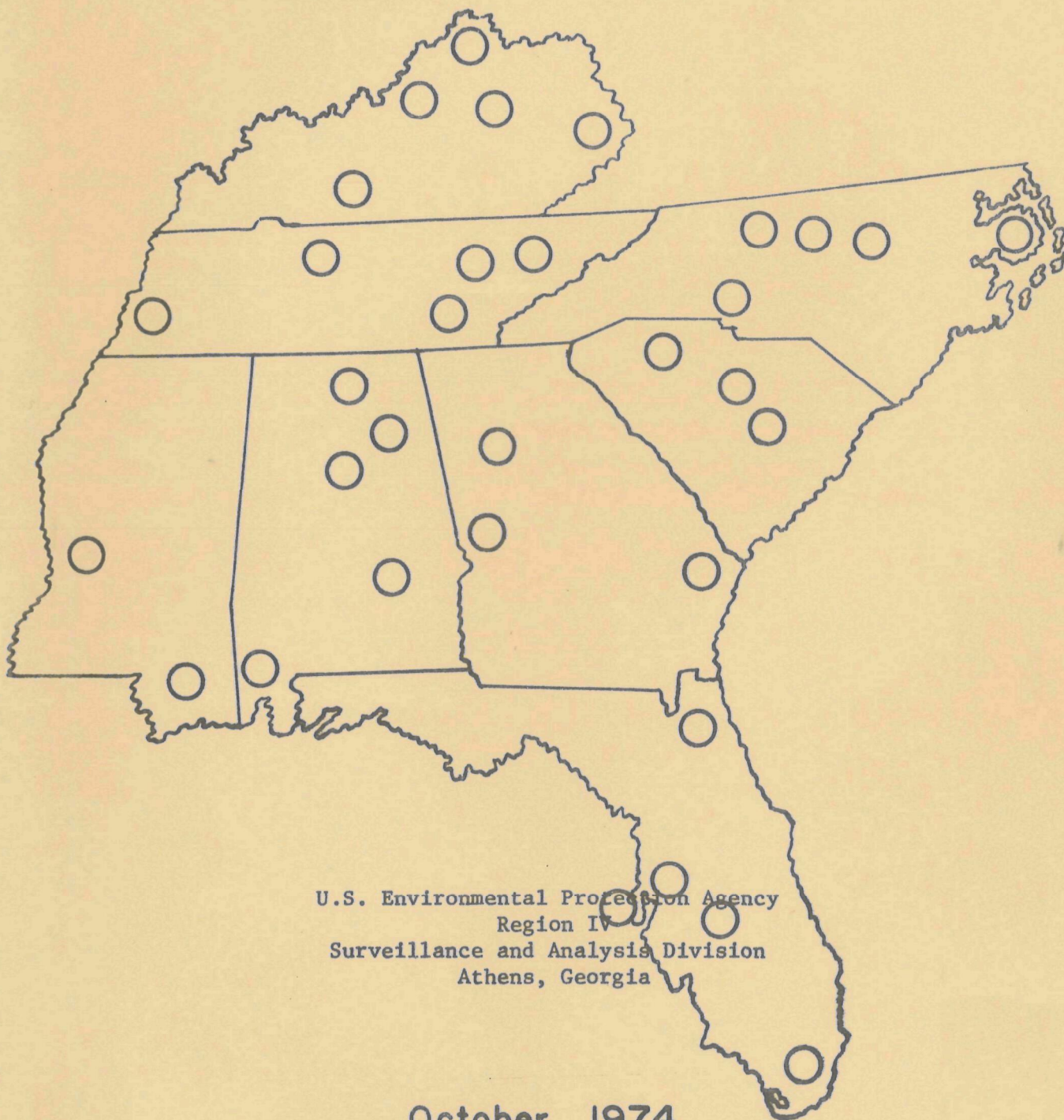


NATIONAL AIR SAMPLING NETWORK

QUARTERLY REPORT

APRIL - JUNE , 1974



U.S. Environmental Protection Agency
Region IV
Surveillance and Analysis Division
Athens, Georgia

October 1974

NATIONAL AIR SAMPLING NETWORK

QUARTERLY REPORT

April - June, 1974

U. S. Environmental Protection Agency
Region IV
Surveillance and Analysis Division
Athens, Georgia

October 1974

NATIONAL AIR SAMPLING NETWORK
QUARTERLY REPORT
April - June 1974

INTRODUCTION

This report is the second in a series of quarterly reports cover operation of the National Air Sampling Network (NASN) in Region IV.

SUMMARY OF ACTIVITIES

Work continued to upgrade the NASN equipment. Twenty six hi-vol shelters were received from NERC-RTP. By the end of the quarter, 15 sites were considered to be in full operational status with EPA owned equipment. This effort is scheduled for completion in calendar year 1974. During the quarter, 24 hi-vol samplers were exchanged for routine calibration and maintenance, 8 bubbler boxes were exchanged for maintenance and 520 bubbler calibrations were performed.

Programming of the data system to handle NASN Quarterly reports and format data for SAROAD input was initiated, and the quarterly report portion completed.

A quality control audit of the Division, including NASN operations was conducted by components of EPA Headquarters Quality Control Office and NERC-RTP. Results were not available at the end of the quarter.

SUMMARY OF RESULTS

There are 33 NASN sites in Region IV. All sites have hi-vol samplers, and 28 sites have 24-hour bubbler samplers for SO₂ and NO₂.

Table I shows an overall system performance of 74.58%; up from the previous 68.38% in the first quarter. All of this improvement came in the hi-vol network which achieved 76% in second quarter as opposed to only 59% during first quarter. Performance of the bubbler network remains virtually constant at 73.66% compared to 73.72% in first quarter.

Table II shows wide fluctuation in system performance for the eight sampling days. Minimum performance of only 66.3% came on April 29, and maximum performance of 79.8% was achieved on June 4.

Of particular concern are the large number of missing samples. Each missing sample represents a scheduled sampling event for which no sample was submitted. In the hi-vol network, the 42 missing samples account for 67% of the lost data. Eleven sites had some missing hi-vol samples and 4 sites accounted for 27 (64%) of the missing hi-vol samples. In the bubbler network, 9 sites had a total of 25 missing samples which accounted for 50 missing analyses (SO₂ and NO₂) or 74% of the lost data. Two sites accounted for 13 (52%) of the missing bubbler samples.

While continuing equipment problems are recognized, and postal service delays have been reported, these data indicate that diligence on the part of the local cooperator is the key to improved network performance at this time.

On a more positive note, the following eight (8) sites achieved 100% valid data: Birmingham, Gadsden, and Montgomery, AL; Columbus, GA; Ashland, KY; Durham, NC; Columbia and Greenville, SC. This is a good improvement over the 5 reported in the first quarter.

The following sites submitted all samples, but had the indicated number of data points invalidated: Huntsville (1), Covington (3), Louisville (7), Jackson (1), Jackson County (2), Charlotte (1), Greensboro (2), Richland County (3), Knoxville (4), Memphis (2), Nashville (2).

Only one site reported no data for the quarter.

ADDITIONAL INFORMATION

Additional information or assistance concerning operation of NASN in Region IV can be obtained from Jerry Burger, NASN Coordinator, E.P.A., College Station Road, Athens, Georgia, 30601, telephone (404) 546-2297.

TABLE I

SYSTEM PERFORMANCE REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SYSTEM AS A WHOLE

TOTAL NUMBER OF SITES	33
NUMBER OF HI-VOL SITES	33
NUMBER OF GAS BUBBLER SITES	28
NUMBER OF SAMPLING DAYS	8
TOTAL POSSIBLE OBSERVATIONS	712
ACTUAL VALID OBSERVATIONS	531
PERCENT PERFORMANCE	74.58

HI-VOL NETWORK

TOTAL POSSIBLE OBSERVATIONS	264
ACTUAL VALID OBSERVATIONS	201
PERCENT PERFORMANCE	76.14

BUBBLER NETWORK

TOTAL POSSIBLE OBSERVATIONS	448
ACTUAL VALID OBSERVATIONS	330
PERCENT PERFORMANCE	73.66

TABLE II

SYSTEM PERFORMANCE BY SAMPLING PERIOD

NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SAMPLE PERIOD	1	2	3	4	5	6	7	8	TOTAL
SCHEDULED DATE	740405 740417	740429	740511	740523	740616	740628			
HI-VOL SITES SUBMITTING SAMPLES	30	29	27	26	26	27	29	28	222
HI-VOL SITES HAVING VALID DATA	24	24	24	24	24	26	29	26	201
BUBBLER SITES SUBMITTING SAMPLES	26	26	26	26	22	26	24	23	199
BUBBLER SITES HAVING VALID SO2 DATA	21	22	16	22	20	22	20	21	164
BUBBLER SITES HAVING VALID NO2 DATA	20	22	19	24	19	23	19	20	166
PERCENT PERFORMANCE	73.0	76.4	66.3	78.7	70.8	79.8	76.4	75.3	74.6

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME BIRMINGHAM, ALA.
SITE LOCATION 720 SOUTH 20TH STREET
SAROAD SITE NUMBER 010380003P01
COOP. ORGANIZATION: JEFFERSON COUNTY DEPT. OF HEALTH
 1912 8TH AVE.
 BIRMINGHAM, ALA. 35203
 205/324-9571
ATTENTION: MR. KENNETH HALL

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	138.0	1.7	64.1
1974/04/17	210.5	1.8	70.1
1974/04/29	129.3	1.7	46.4
1974/05/11	82.0	1.6	34.3
1974/05/23	149.6	1.7	61.8
1974/06/04	75.0	1.7	39.4
1974/06/16	147.4	3.4	50.3
1974/06/28	228.0	10.0	98.8

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME GADSDEN, ALA.
SITE LOCATION ETOWAH HEALTH CENTER BUILDING
SAROAD SITE NUMBER 011480001P01
COOP. ORGANIZATION: ETOWAH CO. HEALTH DEPT.
102 S. 8TH STREET
GADSDEN, ALA. 35901
205/547-6311

ATTENTION: MR. HELTON R. SAVAGE

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	68.3		
1974/04/17	110.1		
1974/04/29	108.4		
1974/05/11	59.9		
1974/05/23	61.2		
1974/06/04			
1974/06/05	45.0*		
1974/06/16	62.8		
1974/06/28	133.5		

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME HUNTSVILLE, ALA.
SITE LOCATION MADISON CO. HEALTH DEPT.
SAROAD SITE NUMBER 011860001P01
COOP. ORGANIZATION: MADISON CO. DEPT. OF PUBLIC HEALTH
 P.O. BOX 425
 304 EUSTUS AVE.
 HUNTSVILLE, ALA. 35804
 205/539-3711
ATTENTION: MR. W. L. KUYKENDALL

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	62.7		
1974/04/17	85.9		
1974/04/29	82.1		
1974/05/11	45.3		
1974/05/23	40.0		
1974/06/04	43.9		
1974/06/16	42.7		
1974/06/28	INVALID		

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME MOBILE, ALA.

SITE LOCATION CENTRAL FIRE STATION

SAROAD SITE NUMBER 012380001P01

COOP. ORGANIZATION: MOBILE CO. BOARD OF HEALTH, AIR POLLN. CONTROL DIV.
248 COX ST.
MOBILE, ALA. 36604
205/432-5840

ATTENTION: MR. JAMES E. FIBBE

DATE -----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	INVALID	1.8	4.1
1974/04/17	238.0	150.9	71.5
1974/04/29	100.8	INVALID	37.7
1974/05/11	52.0	1.7	34.1
1974/05/23	105.3	MISSING	MISSING
1974/06/04	108.5	6.9	54.9
1974/06/16	104.1	8.5	44.9
1974/06/28	MISSING	MISSING	MISSING

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME MONTGOMERY, ALA.
SITE LOCATION 515 W. JEFF DAVIS AVE.
SAROAD SITE NUMBER 012460001P01
COOP. ORGANIZATION: MONTGOMERY CO. HEALTH DEPT.
P.O. BOX 4008
MONTGOMERY, ALA. 36104
205/265-2311

ATTENTION: MR. A. M. ALLISON

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
----	-----	-----	-----
1974/04/05	49.7	1.7	36.1
1974/04/17	62.5	7.0	60.4
1974/04/29	84.2	1.7	46.4
1974/05/11	28.7	1.7	21.4
1974/05/23	54.7	1.7	56.1
1974/06/04	29.6	1.7	18.0
1974/06/16	46.9	1.6	39.8
1974/06/28	89.4	1.8	75.6

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME HARDEE CO., FLA. NU
SITE LOCATION PIONEER PARK, ZOLFO SPRINGS
SAROAD SITE NUMBER 101680001R03
COOP. ORGANIZATION: FLA. DEPT. OF POLL. CONTROL
 225 NW AVE. D
 P.O. BOX 9205
 WINTER HAVEN, FLA. 33880
 813/229-1134
ATTENTION: MR. JOHN SYMES

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	47.2	1.7	12.1
1974/04/17	MISSING	5.2	16.7
1974/04/29	MISSING	INVALID	INVALID
1974/05/11	MISSING	INVALID	INVALID
1974/05/23	34.8	1.7	9.8
1974/06/04	42.7	INVALID	INVALID
1974/06/16	64.0	1.7	17.4
1974/06/28	95.4	1.8	23.9

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME JACKSONVILLE, FLA.

SITE LOCATION HEMMING PARK

SAROAD SITE NUMBER 101960002P01

COOP. ORGANIZATION: CON. CITY OF JACKSONVILLE, AIR POLL. CONTROL
515 W. 6TH ST.
JACKSONVILLE, FLA. 32206
904/633-3303

ATTENTION: MR. KAPPELMANN

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
----	-----	-----	-----
1974/04/05	INVALID	1.7	47.0
1974/04/17	INVALID	INVALID	55.7
1974/04/29	MISSING	8.6	52.8
1974/05/11	INVALID	23.9	33.3
1974/05/23	MISSING	MISSING	MISSING
1974/06/04	53.8	34.7	43.8
1974/06/16	34.1	28.6	48.1
1974/06/28	INVALID	3.3	64.7

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME MIAMI, FLA.
SITE LOCATION 864 NW 23RD ST.
SAROAD SITE NUMBER 102700002P01
COOP. ORGANIZATION: DADE CO. POLL. CONTROL
 864 NW 23RD ST.
 MIAMI, FLA. 33127
 305/635-7524

ATTENTION: MR. COLIN A. MORRISEY

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	74.3	1.7	38.5
1974/04/17	62.4	1.7	81.7
1974/04/29	73.8	INVALID	54.0
1974/05/11	49.2	INVALID	43.8
1974/05/23	MISSING	1.7	29.2
1974/06/04	MISSING	1.7	82.5
1974/06/16	68.3	5.1	57.0
1974/06/28	INVALID	8.5	57.9
1974/07/05	67.1*		

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME ST. PETERSBURG, FLA.
SITE LOCATION PINELLAS CO. HEALTH DEPT.
SAROAD SITE NUMBER 103980002P01
COOP. ORGANIZATION: PINELLAS CO. HEALTH DEPT.
P.O. BOX 2842
ST. PETERSBURG, FLA. 33731
813/894-2111
ATTENTION: CHIEF POLL. CONTROL

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
----	-----	-----	-----
1974/04/05	INVALID	MISSING	MISSING
1974/04/17	INVALID	22.6	41.0
1974/04/29	INVALID	5.3	20.9
1974/05/05		1.7*	17.5*
1974/05/11	INVALID	3.5	12.4
1974/05/23	INVALID	1.7	15.5
1974/06/04	INVALID	12.2	26.5
1974/06/16	21.0	MISSING	MISSING
1974/06/28	55.9	3.5	13.9

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME TAMPA, FLA.
SITE LOCATION 1105 EAST KENNEDY BLVD.
SAROAD SITE NUMBER 104360002P01
COOP. ORGANIZATION: HILLSBORO CO. ENV. PROTECTION COMM.
 906 JACKSON ST.
 TAMPA, FLA. 33602
 813/223-1311

ATTENTION: MR. RICHARD BOWMAN

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	INVALID	10.2	35.0
1974/04/17	64.6	1.7	49.3
1974/04/29	100.3	75.7	79.6
1974/05/11	MISSING	INVALID	6.0
1974/05/23	MISSING	115.0	42.4
1974/06/04	78.7	49.6	77.2
1974/06/16	85.2	87.0	INVALID
1974/06/28	80.5	1.7	5.9

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME ATLANTA, GA.
SITE LOCATION 99 BUTLER ST., SE
SAROAD SITE NUMBER 110200001P01
COOP. ORGANIZATION: FULTON COUNTY HEALTH DEPT.
 99 BUTLER ST., S.E.
 ATLANTA, GA. 30303
 404/572-2847

ATTENTION: MR. B. I. GARLAND

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	62.2	28.2	51.2
1974/04/17	64.3	27.8	81.7
1974/04/29	68.6	INVALID	INVALID
1974/05/11	52.1	1.7	76.9
1974/05/23	38.7	8.2	73.0
1974/06/04	44.8	1.7	64.6
1974/06/16	50.3	INVALID	INVALID
1974/06/28	56.5	9.8	95.9

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME COLUMBUS, GA.
SITE LOCATION MUSCOGEE CO. HEALTH DEPT.
SAROAD SITE NUMBER 111280001P01
COOP. ORGANIZATION: MUSCOGEE CO. HEALTH DEPT.
 P.O. BOX 2299
 COLUMBUS, GA. 31902
 912/432-2351

ATTENTION: MR. DONALD M. WALTERS

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	50.9	1.7	28.3
1974/04/17	37.9	1.8	29.0
1974/04/29	68.8	1.7	45.8
1974/05/11	53.9	1.7	30.6
1974/05/23	24.9	1.7	35.0
1974/06/04	35.1	1.8	20.6
1974/06/16	41.5	1.6	42.8
1974/06/28	52.5	3.3	45.4

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME SAVANNAH, GA.
SITE LOCATION CITY HALL, BULL & BAY STREETS
SAROAD SITE NUMBER 114500001P01
COOP. ORGANIZATION: DEPT. OF NAT. RES., ENV. PROT. DIV.
 EMERGENCY EPISODE TRAILER
 232 EAST LATHROP
 SAVANNAH, GA. 31401
 912/233-6172

ATTENTION: MR. JOHN HALLMAN

DATE -----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	84.1	1.7	46.7
1974/04/17	624.3	INVALID	INVALID
1974/04/29	MISSING	INVALID	INVALID
1974/05/11	MISSING	INVALID	INVALID
1974/05/23	MISSING	INVALID	INVALID
1974/06/04	MISSING	INVALID	INVALID
1974/06/16	MISSING	MISSING	MISSING
1974/06/28	MISSING	MISSING	MISSING

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME ASHLAND, KY.
SITE LOCATION 21ST AND FRONT STREETS
SAROAD SITE NUMBER 180080002P01
COOP. ORGANIZATION: ASHLAND OIL, INC.
 21ST AND FRONT STS.
 ASHLAND, KY. 41101
 606/329-3202

ATTENTION: MR. DAVID R. MARUSHI

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	74.8		
1974/04/17	254.4		
1974/04/29	242.1		
1974/05/11	166.3		
1974/05/23	139.8		
1974/06/04	173.2		
1974/06/16	93.8		
1974/06/28	67.8		

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT

NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME BOWLING GREEN, KY.
SITE LOCATION SCIENCE & TECHNOLOGY BLDG.
SAROAD SITE NUMBER 180320001P01
COOP. ORGANIZATION: WESTERN KENTUCKY UNIVERSITY
 OGDEN COLLEGE SIC. & TECH.
 WESTERN KENTUCKY UNIVERSITY
 BOWLING GREEN, KY. 42101
 502/745-2461
ATTENTION: DR. DONOLD R. ROWE, PROF.

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
----	-----	-----	-----
1974/04/05			
1974/04/12	37.4*	1.7*	35.4*
1974/04/17	77.2	INVALID	INVALID
1974/04/29	92.3	1.8	43.5
1974/05/11	62.5	3.3	40.4
1974/05/23			
1974/05/30	42.3*	1.6*	37.0*
1974/06/04	MISSING	1.7	29.5
1974/06/16			
1974/06/23	49.3*	1.8*	25.6*
1974/06/28	68.9	1.7	56.5

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME COVINGTON, KY.
SITE LOCATION 7TH AND SCOTT STREETS
SAROAD SITE NUMBER 180800001P01
COOP. ORGANIZATION: COVINGTON-KENTON HEALTH DEPT.
912 SCOTT STREET
COVINGTON, KY. 41011
513/431-3345
ATTENTION: MR. MIKE CLEAVER

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
----	-----	-----	-----
1974/04/05			
1974/04/06	37.9*	9.9*	55.9*
1974/04/17	INVALID	33.1	88.8
1974/04/29	84.0	INVALID	INVALID
1974/05/11	79.5	1.7	44.2
1974/05/23	61.9	24.1	73.6
1974/06/04	98.6	16.6	67.4
1974/06/16	81.6	41.4	69.6
1974/06/28	69.9	13.4	99.9

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME LEXINGTON, KY.
SITE LOCATION COLLEGE OF PHARMACY BLDG.
SAROAD SITE NUMBER 182300001P01
COOP. ORGANIZATION: UNIVERSITY OF KENTUCKY
 COLLEGE OF PHARMACY
 UNIVERSITY OF KENTUCKY
 WASHINGTON & GLASGOW STS.
 LEXINGTON, KY. 40506
 606/257-2670

ATTENTION: DR. MARK LUCKENS

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05			
1974/04/12	102.0*	INVALID*	4.1*
1974/04/17			
1974/04/18	INVALID*	INVALID*	INVALID*
1974/04/23	INVALID*	INVALID*	INVALID*
1974/04/29	INVALID	1.8	4.0
1974/05/11	MISSING	MISSING	MISSING
1974/05/23	MISSING	MISSING	MISSING
1974/06/04	MISSING	MISSING	MISSING
1974/06/16	MISSING	MISSING	MISSING
1974/06/28	MISSING	MISSING	MISSING

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME LOUISVILLE, KY.

SITE LOCATION 2500 SOUTH 3RD STREET

SAROAD SITE NUMBER 182380002P01

COOP. ORGANIZATION: JEFFERSON CO. AIR POLLUTION
400 REYNOLDS BLDG.
2500 SOUTH 3RD ST.
LOUISVILLE, KY. 40208
502/635-7471

ATTENTION: MR. G. M. SCHLATTER

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	38.8	INVALID	INVALID
1974/04/17	88.8	33.6	INVALID
1974/04/29	109.9	3.5	INVALID
1974/05/11	86.4	9.1	86.7
1974/05/23	80.7	INVALID	INVALID
1974/06/04	107.8	30.0	143.2
1974/06/16	86.0	11.8	81.3
1974/06/28	89.3	1.7	INVALID

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME JACKSON, MISS.
SITE LOCATION R. E. LEE BLDG.
SAROAD SITE NUMBER 251260002P01
COOP. ORGANIZATION: MISS. AIR & WATER POLL. COMM.
P.O. BOX 827
JACKSON, MISS. 39205
601/354-6783
ATTENTION: MR. GLENN WOOD, EXEC. DIRECTOR

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	88.1	1.8	32.9
1974/04/17	64.1	5.2	42.4
1974/04/29	58.9	INVALID	5.8
1974/05/11	26.6		
1974/05/17		1.7*	20.6*
1974/05/23	36.3	1.6	34.9
1974/06/04	73.9	1.7	37.7
1974/06/16	54.9	1.6	23.7
1974/06/28	99.1	8.1	49.4

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME JACKSON CO., MISS. NU
SITE LOCATION GULF COAST RESEARCH LAB.
SAROAD SITE NUMBER 252800001P03
COOP. ORGANIZATION: GULF COAST RESEARCH LAB.
P.O. BOX A
OCEAN SPRINGS, MISS. 39564
601/875-2244
ATTENTION: MR. ANDREW J. MURAY

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
----	-----	-----	-----
1974/04/05	31.5	1.7	12.4
1974/04/17	21.2	1.7	14.1
1974/04/29	43.6	1.7	4.1
1974/05/11	39.1	1.6	8.0
1974/05/23	31.8	1.6	11.6
1974/06/04	26.8	1.8	10.0
1974/06/16	32.6	INVALID	INVALID
1974/06/28	82.3	8.7	16.6

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME CAPE HATTERAS, N.C. NU
SITE LOCATION BODIE ISLAND RANGER STATION
SAROAD SITE NUMBER 340590001P03
COOP. ORGANIZATION: CAPE HATTERAS NATL. SEASHORE RECREATIONAL AREA
 BOX 457
 MANTEO, N.C. 27954
 919/441-4901
ATTENTION: SUPERINTENDENT

DATE -----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	MISSING	1.7	INVALID
1974/04/14		1.8*	10.0*
1974/04/17	MISSING	MISSING	MISSING
1974/04/29	MISSING	MISSING	MISSING
1974/05/11	MISSING		
1974/05/18		1.6*	10.4*
1974/05/20		1.7*	8.3*
1974/05/22		1.7*	5.9*
1974/05/23	MISSING	MISSING	MISSING
1974/06/04	MISSING	INVALID	INVALID
1974/06/16	MISSING	INVALID	INVALID
1974/06/28	MISSING	INVALID	INVALID

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME CHARLOTTE, N.C.
SITE LOCATION 600 EAST TRADE STREET
SAROAD SITE NUMBER 340700001P01
COOP. ORGANIZATION: MECKLENBURG CO. HEALTH DEPT.
 1200 BLYTHE BLVD.
 CHARLOTTE, N.C. 28203
 704/374-2728

ATTENTION: MR. HAROLD CAUBLE

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	39.9	1.7	31.9
1974/04/17	56.7	1.8	34.9
1974/04/29	67.1	INVALID	41.9
1974/05/11	44.7	1.8	32.5
1974/05/23	29.8	1.7	34.6
1974/06/04	47.4	1.7	43.1
1974/06/16	31.9	1.7	22.4
1974/06/28	34.5	1.7	26.4

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME DURHAM, N.C.
SITE LOCATION 300 EAST MAIN STREET
SAROAD SITE NUMBER 341160001P01
COOP. ORGANIZATION: DURAM CO. AIR POLLUTION CONTROL
 300 EAST MAIN STREET
 DURHAM, N.C. 27701
 919/682-8176
ATTENTION: MR. EARL WADE COPELAND

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	64.1	5.0	30.4
1974/04/17	81.7	5.3	41.6
1974/04/29	156.6	12.2	42.8
1974/05/11	65.5	1.8	49.2
1974/05/23	79.9	3.3	56.2
1974/06/04	101.7	1.7	38.1
1974/06/16	79.0	3.4	36.3
1974/06/28	126.4	1.7	41.8

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME GREENSBORO, N.C.
SITE LOCATION 228 NORTH ELM STREET
SAROAD SITE NUMBER 341740001P01
COOP. ORGANIZATION: GUILFORD CO. DEPT. OF PUBLIC HEALTH
 301 N. EUGENE ST.
 GREENSBORO, N.C. 27401
 919/373-3771
ATTENTION: MR. OWEN R. BRAUGHLER

DATE ----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	69.0	1.8	32.7
1974/04/17	120.0	8.8	66.2
1974/04/29	239.2	10.3	53.5
1974/05/11	104.8	3.3	57.5
1974/05/23	46.1	3.3	60.3
1974/06/04	94.5	13.7	51.8
1974/06/16	25.9	1.8	36.0
1974/06/28	66.6	INVALID	INVALID

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME WINSTON-SALEM, N.C.
SITE LOCATION 6TH AND SPRUCE STREETS
SAROAD SITE NUMBER 344460002P01
COOP. ORGANIZATION: FORSYTH CO. AIR QUALITY CONTROL
3030 TRENWEST DR., SUITE D
WINSTON-SALEM, N.C. 27103
919/765-7956
ATTENTION: MR. ROBERT FULP

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	67.9	21.4	INVALID
1974/04/17	100.3	6.7	37.2
1974/04/29	160.5	INVALID	INVALID
1974/05/11	94.1	1.7	50.2
1974/05/23	INVALID	MISSING	MISSING
1974/06/04	74.0	7.2	57.1
1974/06/16	37.3	1.7	35.9
1974/06/28	34.1	1.7	45.0

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME COLUMBIA, S.C.
SITE LOCATION 1600 ASSEMBLY STREET
SAROAD SITE NUMBER 420760001P01
COOP. ORGANIZATION: COLUMBIA POLLUTION CONTROL AUTHORITY
CITY HALL
P.O. BOX 147
COLUMBIA, S.C. 29217
803/765-1040
ATTENTION: MR. J. M. NORTON

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	78.9		
1974/04/17	81.8		
1974/04/29	65.5		
1974/05/11	54.0		
1974/05/23	30.2		
1974/06/04	33.3		
1974/06/16	41.7		
1974/06/28	39.3		

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME GREENVILLE, S.C.

SITE LOCATION 300 ELFORD STREET

SAROAD SITE NUMBER 421180001P01

COOP. ORGANIZATION: GREENVILLE CO. AIR POLL. CONTROL
P.O. BOX 2507
GREENVILLE, S.C. 29602
803/242-6160

ATTENTION: MR. T. R. HANNA

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	46.5		
1974/04/17	53.8		
1974/04/29	111.8		
1974/05/11	75.5		
1974/05/23	42.8		
1974/06/04	52.9		
1974/06/16			
1974/06/23	46.8*		
1974/06/28	35.1		

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME RICHLAND CO., S.C. NU

SITE LOCATION SESQUI. STATE PARK

SAROAD SITE NUMBER 421900002P03

COOP. ORGANIZATION: SOUTH CAROLINA DEPT. OF HEALTH & ENVIRON. CONTROL
ROOM 132, J. MARION SIMS BLDG.
COLUMBIA, S.C. 29201
803/758-5581

ATTENTION: MR. GENE SLICE

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	32.5	1.7	7.8
1974/04/17	42.5	1.8	6.1
1974/04/29	66.9	INVALID	10.0
1974/05/11	42.1	1.6	8.2
1974/05/23	13.9	1.7	7.7
1974/06/04	24.9	1.8	5.9
1974/06/16	34.3	INVALID	INVALID
1974/06/28	21.6	1.7	2.0

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME CHATTANOOGA, TENN.

SITE LOCATION 100 EAST 11TH STREET

SAROAD SITE NUMBER 440380001P01

COOP. ORGANIZATION: CHATTANOOGA AIR POLLUTION CONTROL BUREAU
3511 ROSSVILLE BLVD.
CHATTANOOGA, TENN. 37407
615/867-4320

ATTENTION: MR. J. LENTS, CHIEF

DATE -----	PARTICULATE UG/CU.M -----	SO2 UG/CU.M -----	NO2 UG/CU.M -----
1974/04/05	MISSING	INVALID	INVALID
1974/04/17	MISSING	3.5	54.7
1974/04/29	MISSING	1.8	2.1
1974/05/11	MISSING	1.7	2.0
1974/05/23	36.0	1.7	INVALID
1974/06/04	70.8	13.6	38.3
1974/06/16	68.5	10.0	56.7
1974/06/28		MISSING	MISSING
1974/07/04	76.4*		

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
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APRIL - JUNE 1974

SITE NAME CUMBERLAND CO., TENN. NU
SITE LOCATION LANTANA FIRE TOWER
SAROAD SITE NUMBER 440680001P03
COOP. ORGANIZATION: STATE OF TENNESSEE
 BOX 5163
 TENN. TECH. UNIV.
 COOKEVILLE, TENN. 38501
 615/528-2528
ATTENTION: MR. GERRY T. JETT

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	MISSING	MISSING	MISSING
1974/04/17	MISSING	MISSING	MISSING
1974/04/29	MISSING	MISSING	MISSING
1974/05/11	MISSING	MISSING	MISSING
1974/05/23	MISSING	MISSING	MISSING
1974/06/04	MISSING	MISSING	MISSING
1974/06/16	MISSING	MISSING	MISSING
1974/06/28	MISSING	MISSING	MISSING

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME KNOXVILLE, TENN.
SITE LOCATION 617 CUMBERLAND AVE.
SAROAD SITE NUMBER 441740002P01
COOP. ORGANIZATION: KNOX CO. AIR POLLUTION CONTROL
 CITY HALL PARK, BLDG. C
 307 LOCUST ST., S.W.
 KNOXVILLE, TENN. 37902
 615/522-0191

ATTENTION: DIRECTOR

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	INVALID	1.7	INVALID
1974/04/17	INVALID	1.8	64.6
1974/04/29	INVALID	1.7	5.9
1974/05/11	62.6	1.7	43.1
1974/05/23	49.0	1.7	45.3
1974/06/04	103.1	1.8	47.8
1974/06/16	42.2	1.7	12.8
1974/06/28	58.5	1.6	5.8

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME MEMPHIS, TENN.

SITE LOCATION 416 ALABAMA AVE.

SAROAD SITE NUMBER 442340001P01

COOP. ORGANIZATION: MEMPHIS-SHELBY CO. HEALTH DEPT., AIR POLLUTION BR.
814 JEFFERSON AVE.
MEMPHIS, TENN. 38105
901/324-5547

ATTENTION: MR. BENJAMIN WHITE, CHIEF

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	71.2	INVALID	INVALID
1974/04/17	84.6	7.3	100.3
1974/04/29	134.5	1.8	75.5
1974/05/11	82.9	1.6	62.1
1974/05/23	119.0	4.9	106.0
1974/06/04	119.5	1.8	98.4
1974/06/16	56.0	1.7	53.2
1974/06/28	118.0	11.2	94.1

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.

STATION REPORT
NATIONAL AIR SAMPLING NETWORK
REGION IV

APRIL - JUNE 1974

SITE NAME NASHVILLE, TENN.

SITE LOCATION METROPOLITAN COUNT HOUSE

SAROAD SITE NUMBER 442540001P01

COOP. ORGANIZATION: METROPOLITAN HEALTH DEPT. - AIR POLLUTION CONTROL
311 23RD AVE., NORTH
NASHVILLE, TENN. 37203
615/327-9313

ATTENTION: MR. PAUL J. BONTRAGER, DIR.

DATE	PARTICULATE UG/CU.M	SO2 UG/CU.M	NO2 UG/CU.M
-----	-----	-----	-----
1974/04/05	INVALID	INVALID	INVALID
1974/04/17	96.8		
1974/04/24		1.7*	2.1*
1974/04/29	77.9	1.8	INVALID
1974/05/11	68.7	1.7	38.4
1974/05/23	90.6	1.6	11.9
1974/06/04	92.9	INVALID	24.2
1974/06/16	52.9	1.7	6.1
1974/06/28	98.6	1.8	8.4

REMARKS: * MEANS THAT THE VALUE WAS NOT TAKEN ON THE PROJECTED DATE.