

# **Georgia Department of Natural Resources**

**Environmental Protection Division • Air Protection Branch**

**4244 International Parkway • Suite 120 • Atlanta • Georgia 30354**

404/363-7000 • Fax: 404/363-7100

Noel Holcomb, Commissioner

Carol A. Couch, Ph.D., Director

February 16, 2005

Beverly Bannister  
Director  
Air, Pesticides, and Toxics Management Division  
U.S. EPA, Region 4  
161 Forsyth Street, SW  
Atlanta, Georgia 30303-3104

Re: PM<sub>2.5</sub> Nonattainment Area Designations  
Submission of 2004 Data and Request for  
Change of Designation Status

Dear Ms. Bannister:

On January 5, 2005, the United States Environmental Protection Agency (EPA) promulgated designations for the new Fine Particle National Ambient Air Quality Standard (PM<sub>2.5</sub>). Section VIII of this final rule permits states to submit complete, quality assured, certified data to EPA by February 22, 2005, that suggests that a change of designation status is appropriate for any area within that state (70 FR 948). Attached is an AQS Quicklook report that contains the complete, quality assured, certified 2004 PM<sub>2.5</sub> data for three monitors in Georgia: Athens, UGA-Food Science Bldg. (Site ID 130590001); Columbus, County Health Dept. (Site ID 132150001); and Columbus, Cusseta Rd. School (Site ID 132150011).

The Athens 2004 Arithmetic Mean was 14.3  $\mu\text{g}/\text{m}^3$ , resulting in a 2002-2004 design value of 14.7  $\mu\text{g}/\text{m}^3$ . Georgia EPD therefore requests that the PM<sub>2.5</sub> designation contained in the January 5, 2005, Federal Register notice for Clarke County be withdrawn and that U.S. EPA issue another designation that reflects the inclusion of the 2004 data with a designation status of Unclassifiable/Attainment for Clarke County.

The Columbus County Health Department 2004 Arithmetic Mean was 14.6  $\mu\text{g}/\text{m}^3$ , resulting in a 2002-2004 design value of 14.4  $\mu\text{g}/\text{m}^3$ . The Columbus Cusseta Road 2004 Arithmetic Mean was 13.2  $\mu\text{g}/\text{m}^3$ , resulting in a 2002-2004 design value of 14.0  $\mu\text{g}/\text{m}^3$ . On December 20, 2004, Georgia EPD submitted a revised PM 2.5 spatial averaging plan for the Columbus/Phenix City area to EPA for review and approval. Alabama Department of Environmental Management has submitted a similar revised plan. Based on the complete, quality assured, certified 2004 PM<sub>2.5</sub> data at the Columbus Health Department and Phenix City (Russell County), Alabama sites, the spatially averaged 2002-2004 arithmetic average is 15.0  $\mu\text{g}/\text{m}^3$ , which demonstrates attainment with the PM<sub>2.5</sub> NAAQS. (The Columbus Cusseta Road PM<sub>2.5</sub> monitor remains in attainment with the PM<sub>2.5</sub> NAAQS.) Georgia EPD therefore requests U.S. EPA approve the revised PM<sub>2.5</sub> spatial averaging plan and that the PM<sub>2.5</sub> designation contained in the January 5, 2005, Federal Register notice for Muscogee County be withdrawn and that U.S. EPA issue another designation that reflects the inclusion of the 2004 data with a designation status of Unclassifiable/Attainment for Muscogee County. It is very important for EPA to act positively on our proposed spatial averaging plans as soon as possible, so that the final designations in April reflect the current attainment status in that area.

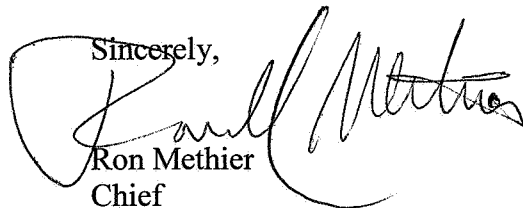
Beverly Bannister  
page two  
February 16, 2005

Following is a summary of the 2002 through 2004 PM2.5 data for the three monitors included in this request.

Site	2002 Arithmetic Mean ( $\mu\text{g}/\text{m}^3$ )	2003 Arithmetic Mean ( $\mu\text{g}/\text{m}^3$ )	2004 Arithmetic Mean ( $\mu\text{g}/\text{m}^3$ )	2002-4 Design Value ( $\mu\text{g}/\text{m}^3$ )
Athens	15.0	14.3	14.8	14.7
Columbus Health Department	14.2	14.5	14.6	14.4
Columbus Cusseta Road	15.8	13.8	13.2	14.0

Under separate cover and before February 22, we will also be submitting additional information to you regarding Catoosa and Walker Counties and an alternate partial county recommendation for Putnam County.

If you have any questions or need more information, please contact me at (404) 363-7016 or Jimmy Johnston at (404) 363-7014.

Sincerely,  
  
Ron Methier  
Chief  
Air Protection Branch

RM:jjp

c: Kay Prince, U.S. EPA  
Jimmy Johnston  
Jim Kelly  
Susan Zimmer-Dauphinnee

attachments

UNITES STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM

QUICKLOOK CRITERIA PARAMETERS

User ID: CFR

Report Request ID: 206232

Report Code: AMP450

Feb. 11, 2005

Tribe	State	County	Site	Parameter	POC	City	AQCR	UAR	MSA	CMSA	Region	Zip Code	Method	Duration	Begin Date	End Date
GEOGRAPHIC SELECTIONS																
EPA																

13

Parameter Classification	Parameter	Method	Duration
CRITERIA	88101	7	

REPORTING ORGANIZATION SELECTIONS	
Georgia Air Protection Branch Ambient Monitoring Program	

Option Type	Option Value	Order	SORT ORDER
EVENTS PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS	1	PARAMETER_CODE
MERGE PDF FILES	YES	2	STATE_CODE
		3	COUNTY_CODE
		4	SITE_ID
		5	POC
		6	DATES
		7	EDT_ID

GLOBAL DATES	
Start Date	End Date
2003	2004

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
QUICK LOOK REPORT (AMP450)

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EXCEPTIONAL DATA TYPES

EDT	DESCRIPTION
0	NO EVENTS
1	EVENTS EXCLUDED
2	EVENTS INCLUDED
3	EXCEPTIONAL EVENTS EXCLUDED
4	NATURAL EVENTS EXCLUDED
5	EVENTS WITH CONCURRENCE EXCLUDED
6	EXCEPTIONAL EVENTS WITH CONCURRENCE EXCLUDED
7	NATURAL EVENTS WITH CONCURRENCE EXCLUDED

Note: The \* indicates that the mean does not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
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UG/CU Meter (LC) (105)

Georgia

PM2.5 - Local Conditions (88101)

24-HOUR

SITE ID	P O C	REP ORG	CITY	COUNTY	ADDRESS	YEAR	METH	#OBS	1ST MAX	2ND MAX	3RD MAX	4TH MAX	98TH		WTD ARITH MEAN	CERT EDT
													PERCENTILE VALUE	VALUE		
13-021-0007	1	0437	Macon	Bibb	ALLIED CHEMICAL	2003	120	120	36.3	30.1	29.5	29.2	29.5	14.81	0	
13-021-0007	1	0437	Macon	Bibb	ALLIED CHEMICAL	2004	120	114	43.8	41.6	38.4	36.0	38.4	16.79	0	
13-021-0012	1	0437	Macon	Bibb	MACON SE	2003	120	117	31.8	26.6	26.6	26.0	26.6	12.95	0	
13-021-0012	1	0437	Macon	Bibb	MACON SE	2004	120	117	43.6	36.7	34.8	33.7	34.8	14.30	0	
13-051-0017	1	0437	Savannah	Chatham	402 MARKET ST	2003	120	116	49.6	34.6	25.7	25.5	25.7	13.34	0	
13-051-0017	1	0437	Savannah	Chatham	402 MARKET ST	2004	120	116	40.2	35.5	28.7	28.3	28.7	13.22	0	
13-051-0017	2	0437	Savannah	Chatham	402 MARKET ST	2003	119	1	17.0				17.0	17.00*	0	
13-051-0091	1	0437	Savannah	Chatham	MERCER JR. HI	2003	120	111	26.8	25.7	24.6	23.2	24.6	13.05	0	
13-051-0091	1	0437	Savannah	Chatham	MERCER JR. HI	2004	120	118	38.2	31.8	30.7	28.5	30.7	13.66	0	
13-051-0091	1	0437	Savannah	Chatham	MERCER JR. HI	2003	120	109	36.7	33.5	32.8	27.3	32.8	14.31	0	
13-059-0001	1	0437	Athens (corp rClarke	Clarke	FOOD SCIENCE I	2003	120	106	36.0	32.2	32.1	31.0	32.1	14.76	0	
13-059-0001	1	0437	Athens (corp rClarke	Clarke	FOOD SCIENCE I	2004	120	106	36.0	32.2	32.1	31.0	32.1	14.76	0	
13-063-0091	1	0437	Forest Park	Clayton	M.A.B. 24 KENI	2003	120	113	38.5	37.5	36.7	35.5	36.7	16.02	0	
13-063-0091	1	0437	Forest Park	Clayton	M.A.B. 24 KENI	2004	120	109	41.0	39.8	39.4	39.3	39.4	16.83	0	
13-067-0003	1	0437	Kennesaw	Cobb	GA NATIONAL GI	2003	120	115	42.7	40.9	39.9	35.5	39.9	16.01	0	
13-067-0003	1	0437	Kennesaw	Cobb	GA NATIONAL GI	2004	120	117	43.0	35.8	32.8	31.5	32.8	15.81	0	
13-067-0004	1	0437	Powder Spring	Cobb	MACLAND AQUAT	2003	120	107	43.8	38.9	37.7	34.3	37.7	15.21	0	
13-067-0004	1	0437	Powder Spring	Cobb	MACLAND AQUAT	2004	120	118	42.6	39.4	38.7	32.0	38.7	15.16	0	
13-089-0002	1	0437	Decatur	DeKalb	SOUTH DEKALB	2003	120	322	39.0	37.1	36.8	35.3	32.5	14.97	0	
13-089-0002	1	0437	Decatur	DeKalb	SOUTH DEKALB	2004	120	337	47.0	42.7	41.1	40.5	35.4	16.08	0	
13-089-2001	1	0437	Doraville	DeKalb	DORAVILLE HEA	2003	120	321	47.7	46.5	42.0	40.0	37.4	15.40	0	
13-089-2001	1	0437	Doraville	DeKalb	DORAVILLE HEA	2004	120	324	50.1	43.7	42.4	40.4	32.0	15.49	0	
13-089-2001	2	0437	Doraville	DeKalb	DORAVILLE HEA	2003	120	1	14.0				14.0	14.00*	0	
13-095-0007	1	0437	Albany	Dougherty	ALBANY, TURNEJ	2003	120	119	33.8	29.2	26.9	26.8	26.9	13.40	0	
13-095-0007	1	0437	Albany	Dougherty	ALBANY, TURNEJ	2004	120	111	40.7	40.6	36.2	33.9	36.2	14.09	0	
13-115-0005	1	0437	Rome	Floyd	ROME, COOSA HI	2003	120	110	44.3	43.1	40.7	32.9	40.7	16.23	0	
13-115-0005	1	0437	Rome	Floyd	ROME, COOSA HI	2004	120	110	37.0	33.3	32.5	31.9	32.5	15.62	0	

Note: The \* indicates that the mean does not satisfy summary criteria.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
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UG/CU Meter (LC) (105)

Georgia

PM2.5 - Local Conditions (88101)

24-HOUR

SITE ID	P O C	REP ORG	CITY	COUNTY	ADDRESS	YEAR	METH	#OBS	1ST MAX	2ND MAX	3RD MAX	4TH MAX	98TH PERCENTILE		WTD ARITH MEAN	CERT EDT
													VALUE	VALUE		
13-121-0032	1	0437	Atlanta	Fulton	E RIVERS SCH	2003	120	301	46.9	43.1	43.1	43.0	35.7	16.07*	0	0
13-121-0032	1	0437	Atlanta	Fulton	E RIVERS SCH	2004	120	336	48.9	45.4	43.9	39.4	35.0	16.13	0	0
13-121-0039	1	0437	Atlanta	Fulton	FIRE STA. 8	2003	000	116	63.0	53.2	44.4	42.3	44.4	17.66	0	0
13-121-0039	1	0437	Atlanta	Fulton	FIRE STA. 8	2004	120	117	48.2	42.5	38.1	37.2	38.1	17.58	0	0
13-127-0006	1	0437	Brunswick	Glynn	RISLEY MIDDLE	2003	120	102	24.2	23.4	22.8	21.4	22.8	11.72*	0	0
13-127-0006	1	0437	Brunswick	Glynn	RISLEY MIDDLE	2004	120	102	46.5	37.5	27.6	27.0	27.6	12.39	0	0
13-135-0002	1	0437	Lawrenceville	Gwinnett	GWINNETT TECH	2003	000	58	40.6	38.3	37.7	27.7	38.3	16.19	0	0
13-135-0002	1	0437	Lawrenceville	Gwinnett	GWINNETT TECH	2004	000	59	42.7	35.5	29.5	26.8	35.5	16.34	0	0
13-139-0003	1	0437	Gainesville	Hall	GAINESVILLE	2003	000	109	43.3	35.0	33.2	28.7	33.2	14.69*	0	0
13-139-0003	1	0437	Gainesville	Hall	GAINESVILLE	2004	120	116	35.1	27.7	27.6	27.1	27.6	13.97	0	0
13-153-0001	1	0437	Warner Robins	Houston	WARNER ROBINS	2003	000	59	27.1	25.9	25.7	24.3	25.9	12.99	0	0
13-153-0001	1	0437	Warner Robins	Houston	WARNER ROBINS	2004	000	58	34.0	33.6	33.6	25.3	33.6	14.36	0	0
13-185-0003	1	0437	Valdosta	Lowndes	VALDOSTA S.I	2003	000	52	22.7	22.2	19.1	18.3	22.2	11.26*	0	0
13-185-0003	1	0437	Valdosta	Lowndes	VALDOSTA S.I	2004	000	49	29.0	24.7	24.5	23.9	29.0	13.63*	0	0
13-215-0001	1	0437	Columbus	Muscogee	MUSCOGEE CITY	2003	120	119	34.0	33.8	32.4	30.8	32.4	14.49	0	0
13-215-0001	1	0437	Columbus	Muscogee	MUSCOGEE CITY	2004	120	118	47.5	41.4	37.4	33.3	37.4	14.64	0	0
13-215-0008	2	0437	Columbus	Muscogee	COLUMBUS AIRP	2003	000	32	34.6	30.6	28.8	27.2	34.6	16.89*	0	0
13-215-0008	2	0437	Columbus	Muscogee	COLUMBUS AIRP	2004	000	50	48.5	30.2	28.9	27.7	48.5	14.53*	0	0
13-215-0011	1	0437	Columbus	Muscogee	COLUMBUS, CUS	2003	120	113	30.1	29.1	28.8	28.5	28.8	13.15	0	0
13-223-0003	1	0437	Not in a city	Paulding	YORKVILLE	2003	000	110	44.7	35.7	35.0	31.0	35.0	13.76	0	0
13-223-0003	1	0437	Not in a city	Paulding	YORKVILLE	2004	120	119	32.2	31.6	29.8	28.3	29.8	13.44	0	0
13-245-0005	1	0437	Augusta	Richmond	MEDICAL COLLE	2003	000	111	44.5	30.6	30.4	29.5	30.4	14.74	0	0
13-245-0005	1	0437	Augusta	Richmond	MEDICAL COLLE	2004	120	106	42.4	40.1	38.5	36.1	38.5	15.50	0	0
13-245-0005	2	0437	Augusta	Richmond	MEDICAL COLLE	2003	119	1	31.5	31.5	31.5	31.5	31.5	31.50*	0	0
13-245-0091	1	0437	Augusta	Richmond	BUNGALOW RD A	2003	000	112	42.2	33.7	31.4	29.7	31.4	14.81	0	0

Note: The \* indicates that the mean does not satisfy summary criteria.

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PM2.5 - Local Conditions (88101)

24-HOUR

SITE ID	P O C	REP ORG	CITY	COUNTY	ADDRESS	YEAR	METH	#OBS	1ST MAX	2ND MAX	3RD MAX	4TH MAX	98TH		WTD ARITH MEAN	CERT EDT
													PERCENTILE VALUE	VALUE		
13-245-0091	1	0437	Augusta	Richmond	BUNGALOW RD A12004	2004	120	111	40.8	36.9	35.8	30.5	35.8	15.61	0	
13-295-0002	1	0437	Rossville	Walker	ROSS HEALTH C.2003	2003	000	58	46.9	36.8	34.1	34.1	36.8	16.00	0	
13-295-0002	1	0437	Rossville	Walker	ROSS HEALTH C.2004	2004	000	56	30.8	28.3	27.7	25.7	28.3	14.70	0	
13-303-0001	1	0437	Sandersville	Washington	SANDERSVILLE 12003	2003	000	58	32.9	28.9	26.4	23.5	28.9	13.73	0	
13-303-0001	1	0437	Sandersville	Washington	SANDERSVILLE 12004	2004	000	58	56.0	33.0	27.7	27.6	33.0	15.85	0	
13-319-0001	1	0437	Gordon	Wilkinson	GORDON,GA 105 2003	2003	120	118	43.9	39.5	28.6	26.8	28.6	13.83	0	
13-319-0001	1	0437	Gordon	Wilkinson	GORDON,GA 105 2004	2004	120	119	42.4	41.8	35.2	33.9	35.2	15.46	0	

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
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METHODS USED IN THIS REPORT

PARAMETER	METHOD CODE	COLLECTION METHOD	ANALYSIS METHOD
ALL	000	MULTIPLE METHODS	MULTIPLE METHODS
88101	119	ANDERSON RAAS2.5-100 PM2.5 SAM	GRAVIMETRIC
88101	120	ANDERSON RAAS2.5-300 PM2.5 SEQ	GRAVIMETRIC

Note: The \* indicates that the mean does not satisfy summary criteria.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
AIR QUALITY SYSTEM  
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REPORTING ORGANIZATIONS USED IN THIS REPORT

REPORTING ORGANIZATION CODE	AGENCY DESCRIPTION
0437	Georgia Air Protection Branch Ambient Monitoring Pro

Note: The \* indicates that the mean does not satisfy summary criteria.