

Georgia Department of Natural Resources

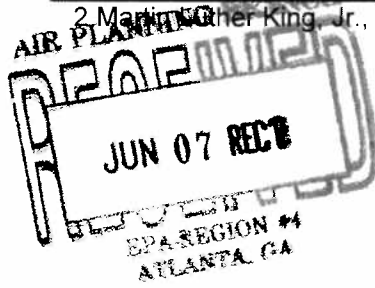
2 Martin Luther King, Jr., Drive, S.E., Suite 1152 East, Atlanta, Georgia 30334-4100

Mark Williams, Commissioner

Environmental Protection Division

F. Allen Barnes, Director

Phone: 404/656-4713 FAX: 404/651-5778



MAY 31 2011



Ms. Gwendolyn Keyes Fleming
Regional Administrator
U.S. EPA, Region 4
61 Forsyth Street, S.W.
Atlanta, Georgia 30303-3104

RE: Recommended Designations for the SO₂ National Ambient Air Quality Standard

Dear Ms. Fleming:

On June 2, 2010, the United States Environmental Protection Agency (U.S. EPA) revised the primary National Ambient Air Quality Standard (NAAQS) for sulfur dioxide (SO₂). EPA established the revised primary SO₂ standard at 75 parts per billion (ppb) which is attained when the 3-year average of the 99th percentile of 1-hour daily maximum concentrations does not exceed 75 ppb (75 FR 35520, published on June 22, 2010). Section 107(d) of the Clean Air Act requires each state to submit to the EPA, no later than one year following promulgation of a new or revised NAAQS, its recommended designation for each area of the State as attainment, non-attainment, or unclassifiable under the standard. The Georgia Environmental Protection Division (EPD) has developed recommended designations in accordance with Section V, "Initial Designation of Areas for the 1-Hour SO₂ NAAQS", of the National Ambient Air Quality Standards for SO₂; Final Rule, as promulgated June 22, 2010, and U.S. EPA's March 24, 2011 memo on the subject of "Area Designations for the 2010 Revised Primary Sulfur Dioxide National Ambient Air Quality Standards".

EPA's March 24, 2011 memo states that recommendations are to be based on the latest available SO₂ monitoring data, which EPA expects will be from 2008-2010. Currently, EPD has nine (9) ambient SO₂ monitors in Georgia: 13-021-0012 (Macon), 13-051-0021 (Savannah), 13-051-1002 (Savannah), 13-089-0002 (Decatur), 13-115-0003 (Rome), 13-121-0048 (Atlanta), 13-121-0055 (Atlanta), 13-127-0006 (Brunswick), and 13-215-0008 (Columbus). The 3-year SO₂ design values (DVs) for the 99th percentile of 1-hour daily maximum SO₂ concentrations at these sites are all well below the NAAQS (Table 1). An AQS Quick Look Report summarizing SO₂ monitoring data from 2008-2010 is attached.

There is no information that would indicate a violation of the revised SO₂ standard for any area of Georgia which does not contain an ambient SO₂ monitor.

Georgia EPD recommends that all counties be designated as "attainment/unclassifiable" for the revised SO₂ standard (Table 2). **EPD is recommending that no areas in Georgia be designated "nonattainment."** Should future SO₂ monitoring data indicate a violation of the revised SO₂ standard at one or more of these areas, EPD reserves the right to revise these recommendations along with boundary recommendations for nonattainment area(s).

Ms. Gwendolyn Keyes Fleming
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If you have any questions or need further information, please contact Jac Capp at (404) 363-7016 or Jimmy Johnston at (404) 363-7014.

Sincerely,

A handwritten signature in black ink that reads "F. Allen Barnes". The signature is written in a cursive style with a long, sweeping underline.

F. Allen Barnes
Director

FAB:JB:klc

Attachments

c: Dick Schutt, U.S. EPA Region 4
Jac Capp

Table 1. 99th Percentile of 1-Hour Daily Maximum SO₂ Concentrations and 2008-2010 Design Values at FRM monitors.

AIRS_ID	County	City	2008 (ppb)	2009 (ppb)	2010 (ppb)	2008-2010 DV
13-021-0012	Bibb	Macon	26.0	28.0	23.0	25.7
13-051-0021	Chatham	Savannah	67.0	60.0	83.0	70.0
13-051-1002	Chatham	Savannah	67.0	70.0	59.0	65.3
13-089-0002 ^a	DeKalb	Decatur			24.6	24.6
13-115-0003 ^b	Floyd	Rome	104.0	40.0	49.0	64.3
13-121-0048 ^c	Fulton	Atlanta	55.0	39.0		47.0
12-121-0055	Fulton	Atlanta	45.0	31.0	33.0	36.3
13-127-0006	Glynn	Brunswick	7.0	10.0	7.0	8.0
13-215-0008 ^d	Muscogee	Columbus	31.0	14.0	13.0	19.3

Notes: ^a13-089-0002: no data in 2008 and 2009, incomplete data in 2010

^b13-115-0003: two complete quarters in 2008 and three complete quarters in 2009

^c13-121-0048: one complete quarter in 2009, none in 2010

^d13-215-0008: two complete quarters in 2008

Table 2. RECOMMENDED DESIGNATION STATUS FOR GEORGIA COUNTIES

County Name	Designation Recommendation
Appling	Attainment/Unclassifiable
Atkinson	Attainment/Unclassifiable
Bacon	Attainment/Unclassifiable
Baker	Attainment/Unclassifiable
Baldwin	Attainment/Unclassifiable
Banks	Attainment/Unclassifiable
Barrow	Attainment/Unclassifiable
Bartow	Attainment/Unclassifiable
Ben Hill	Attainment/Unclassifiable
Berrien	Attainment/Unclassifiable
Bibb	Attainment/Unclassifiable
Bleckley	Attainment/Unclassifiable
Brantley	Attainment/Unclassifiable
Brooks	Attainment/Unclassifiable
Bryan	Attainment/Unclassifiable
Bulloch	Attainment/Unclassifiable
Burke	Attainment/Unclassifiable
Butts	Attainment/Unclassifiable
Calhoun	Attainment/Unclassifiable
Camden	Attainment/Unclassifiable
Candler	Attainment/Unclassifiable
Carroll	Attainment/Unclassifiable
Catoosa	Attainment/Unclassifiable
Charlton	Attainment/Unclassifiable
Chatham	Attainment/Unclassifiable
Chattahoochee	Attainment/Unclassifiable
Chattooga	Attainment/Unclassifiable
Cherokee	Attainment/Unclassifiable
Clarke	Attainment/Unclassifiable
Clay	Attainment/Unclassifiable
Clayton	Attainment/Unclassifiable
Clinch	Attainment/Unclassifiable
Cobb	Attainment/Unclassifiable
Coffee	Attainment/Unclassifiable
Colquitt	Attainment/Unclassifiable
Columbia	Attainment/Unclassifiable
Cook	Attainment/Unclassifiable
Coweta	Attainment/Unclassifiable
Crawford	Attainment/Unclassifiable
Crisp	Attainment/Unclassifiable
Dade	Attainment/Unclassifiable
Dawson	Attainment/Unclassifiable

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County Name	Designation Recommendation
Decatur	Attainment/Unclassifiable
DeKalb	Attainment/Unclassifiable
Dodge	Attainment/Unclassifiable
Dooly	Attainment/Unclassifiable
Dougherty	Attainment/Unclassifiable
Douglas	Attainment/Unclassifiable
Early	Attainment/Unclassifiable
Echols	Attainment/Unclassifiable
Effingham	Attainment/Unclassifiable
Elbert	Attainment/Unclassifiable
Emanuel	Attainment/Unclassifiable
Evans	Attainment/Unclassifiable
Fannin	Attainment/Unclassifiable
Fayette	Attainment/Unclassifiable
Floyd	Attainment/Unclassifiable
Forsyth	Attainment/Unclassifiable
Franklin	Attainment/Unclassifiable
Fulton	Attainment/Unclassifiable
Gilmer	Attainment/Unclassifiable
Glascock	Attainment/Unclassifiable
Glynn	Attainment/Unclassifiable
Gordon	Attainment/Unclassifiable
Grady	Attainment/Unclassifiable
Greene	Attainment/Unclassifiable
Gwinnett	Attainment/Unclassifiable
Habersham	Attainment/Unclassifiable
Hall	Attainment/Unclassifiable
Hancock	Attainment/Unclassifiable
Haralson	Attainment/Unclassifiable
Harris	Attainment/Unclassifiable
Hart	Attainment/Unclassifiable
Heard	Attainment/Unclassifiable
Henry	Attainment/Unclassifiable
Houston	Attainment/Unclassifiable
Irwin	Attainment/Unclassifiable
Jackson	Attainment/Unclassifiable
Jasper	Attainment/Unclassifiable
Jeff Davis	Attainment/Unclassifiable
Jefferson	Attainment/Unclassifiable
Jenkins	Attainment/Unclassifiable
Johnson	Attainment/Unclassifiable
Jones	Attainment/Unclassifiable

Table 2. RECOMMENDED DESIGNATION STATUS FOR GEORGIA COUNTIES

County Name	Designation Recommendation
Lamar	Attainment/Unclassifiable
Lanier	Attainment/Unclassifiable
Laurens	Attainment/Unclassifiable
Lee	Attainment/Unclassifiable
Liberty	Attainment/Unclassifiable
Lincoln	Attainment/Unclassifiable
Long	Attainment/Unclassifiable
Lowndes	Attainment/Unclassifiable
Lumpkin	Attainment/Unclassifiable
McDuffie	Attainment/Unclassifiable
McIntosh	Attainment/Unclassifiable
Macon	Attainment/Unclassifiable
Madison	Attainment/Unclassifiable
Marion	Attainment/Unclassifiable
Meriwether	Attainment/Unclassifiable
Miller	Attainment/Unclassifiable
Mitchell	Attainment/Unclassifiable
Monroe	Attainment/Unclassifiable
Montgomery	Attainment/Unclassifiable
Morgan	Attainment/Unclassifiable
Murray	Attainment/Unclassifiable
Muscogee	Attainment/Unclassifiable
Newton	Attainment/Unclassifiable
Oconee	Attainment/Unclassifiable
Oglethorpe	Attainment/Unclassifiable
Paulding	Attainment/Unclassifiable
Peach	Attainment/Unclassifiable
Pickens	Attainment/Unclassifiable
Pierce	Attainment/Unclassifiable
Pike	Attainment/Unclassifiable
Polk	Attainment/Unclassifiable
Pulaski	Attainment/Unclassifiable
Putnam	Attainment/Unclassifiable
Quitman	Attainment/Unclassifiable
Rabun	Attainment/Unclassifiable
Randolph	Attainment/Unclassifiable
Richmond	Attainment/Unclassifiable
Rockdale	Attainment/Unclassifiable
Schley	Attainment/Unclassifiable
Screven	Attainment/Unclassifiable
Seminole	Attainment/Unclassifiable
Spalding	Attainment/Unclassifiable

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County Name	Designation Recommendation
Stephens	Attainment/Unclassifiable
Stewart	Attainment/Unclassifiable
Sumter	Attainment/Unclassifiable
Talbot	Attainment/Unclassifiable
Taliaferro	Attainment/Unclassifiable
Tattnall	Attainment/Unclassifiable
Taylor	Attainment/Unclassifiable
Telfair	Attainment/Unclassifiable
Terrell	Attainment/Unclassifiable
Thomas	Attainment/Unclassifiable
Tift	Attainment/Unclassifiable
Toombs	Attainment/Unclassifiable
Towns	Attainment/Unclassifiable
Treutlen	Attainment/Unclassifiable
Troup	Attainment/Unclassifiable
Turner	Attainment/Unclassifiable
Twiggs	Attainment/Unclassifiable
Union	Attainment/Unclassifiable
Upton	Attainment/Unclassifiable
Walker	Attainment/Unclassifiable
Walton	Attainment/Unclassifiable
Ware	Attainment/Unclassifiable
Warren	Attainment/Unclassifiable
Washington	Attainment/Unclassifiable
Wayne	Attainment/Unclassifiable
Webster	Attainment/Unclassifiable
Wheeler	Attainment/Unclassifiable
White	Attainment/Unclassifiable
Whitfield	Attainment/Unclassifiable
Wilcox	Attainment/Unclassifiable
Wilkes	Attainment/Unclassifiable
Wilkinson	Attainment/Unclassifiable
Worth	Attainment/Unclassifiable