



Georgia Air Quality Update CSRA Air Quality Alliance

March 18, 2011

National Ambient Air Quality Standards

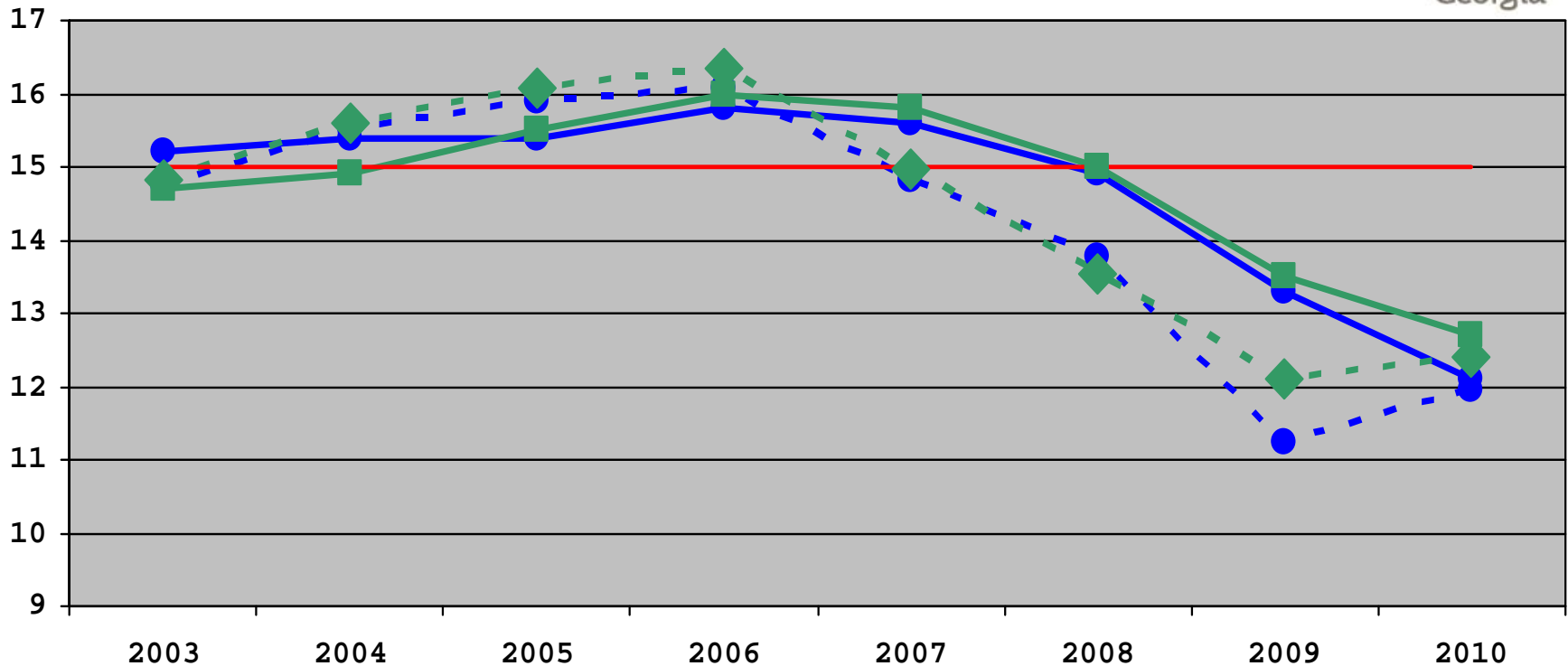
Pollutant	Pre-2008 Levels	New Levels
Carbon Monoxide	9 ppm (8-hr)	Proposed to Retain Existing Standard - 2/11/2011, Finalize August, 2011
	35 ppm (1-hr)	
Lead	1.5 $\mu\text{g}/\text{m}^3$ (3-months)	0.15 $\mu\text{g}/\text{m}^3$ (3-months) - 2008
Nitrogen Dioxide	0.053 ppm (Annual) (100 $\mu\text{g}/\text{m}^3$)	0.10 ppm (1-hr) - April 2010
Particulate Matter (PM2.5)	15.0 $\mu\text{g}/\text{m}^3$ (Annual)	Propose 2011 - Finalize 2011
	35 $\mu\text{g}/\text{m}^3$ (24-hr)	
Ozone	0.08 ppm (8-hr)	0.075 ppm (8-hr) - 2008
		0.060-0.070 ppm (8-hr) - PROPOSED Jan. 2010 - FINAL July 2011???
Sulfur Dioxide	0.03 ppm (Annual)	0.075 ppm (1-hr) - June 2010
	0.14 ppm (24-hr)	
	0.5 ppm (3-hr)	

Anticipated NAAQS Implementation Milestones

Pollutant	NAAQS Prom. Date	Governor's Rec. Due to EPA	Designations Effective (approximate date)	Attainment Plans Due (3 yrs after NAAQS promulgation)	Attainment Dem. Due	Attainment Date	Notes & Impacts to GA
Pb	Oct 2008	Oct 2009	Nov 2010/2011 (extra time for new monitors)	Oct 2011	June 2012/2013	Nov 2015/2016	<ol style="list-style-type: none"> 1. Required to Add 1 monitor at Cartersville Steel Mill. 2. Proposed rule may require a few more monitors. 3. All areas in GA meeting this standard.
NO ₂ (primary)	Jan 2010	Jan 2011	Feb 2012	Jan 2013	Aug 2013	Feb 2017	<ol style="list-style-type: none"> 1. Required to add 3 roadside NO2 monitors (2 in Atlanta and 1 in Augusta) by Jan. 2013 2. All areas in GA meeting this standard 3. Permitting new NO2 (combustion sources) more difficult. 4. Roadside monitors could show nonattainment
SO ₂ (primary)	June 2010	June 2011	July 2012	June 2013	Jan 2014	July 2017	<ol style="list-style-type: none"> 1. All areas in GA meeting this standard 2. 110(a) SIP expected to require us to model all large SO2 sources. Could result in industry/utility SO2 reductions. 3. Permitting new SO2 sources more difficult.
Ozone	July 2011?	2012?	???	???	???	???	<ol style="list-style-type: none"> 1. Expect standard to be 65ppb or 70ppb 2. More nonattainment areas: Macon, Athens, Augusta, Columbus, North GA all potentially affected. 3. Areas classified as "moderate" or above by EPA required to implement I/M programs. 4. Proposed rule may require more monitors by 2012 (Whitfield, Floyd, Hall, Houston, Dougherty, Liberty, Lowndes, Coffee)
CO	Aug 2011	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	<ol style="list-style-type: none"> 1. Designations not Required if Standard Remains as is. 2. Proposal to add x3 roadside CO monitors (2 in Atlanta) by January 1, 2013
PM _{2.5} (2011)	Oct 2011	Oct 2012	Dec 2013	Oct 2014	Dec 2016	Dec 2018/2023	Preliminary indications are that standard will become more stringent again.
NO ₂ /SO ₂ Secondary	March 2012	March 2013	April 2014	March 2015	Oct 2015	N/A	Impacts are unknown at this time

Fine Particulate Matter Standard

(micrograms per cubic meter – annual average)



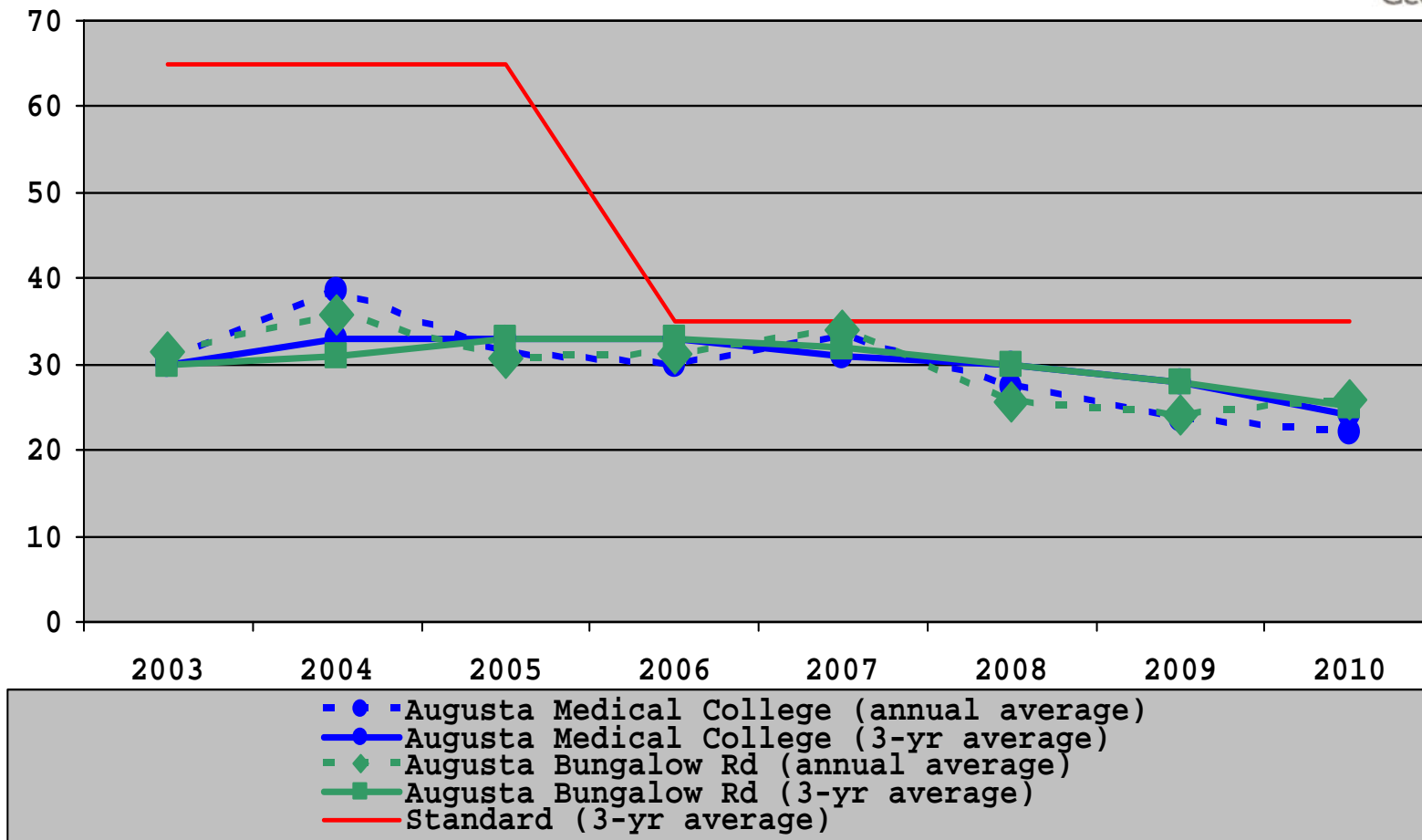
- ● - Augusta Medical College (annual average)
- ● - Augusta Medical College (3-yr average)
- ◆ - Augusta Bungalow Rd (annual average)
- ■ - Augusta Bungalow Rd (3-yr average)
- — Standard (3-yr average)

* 2010 Data Not Certified

Environmental Protection Division

Fine Particulate Matter Standard

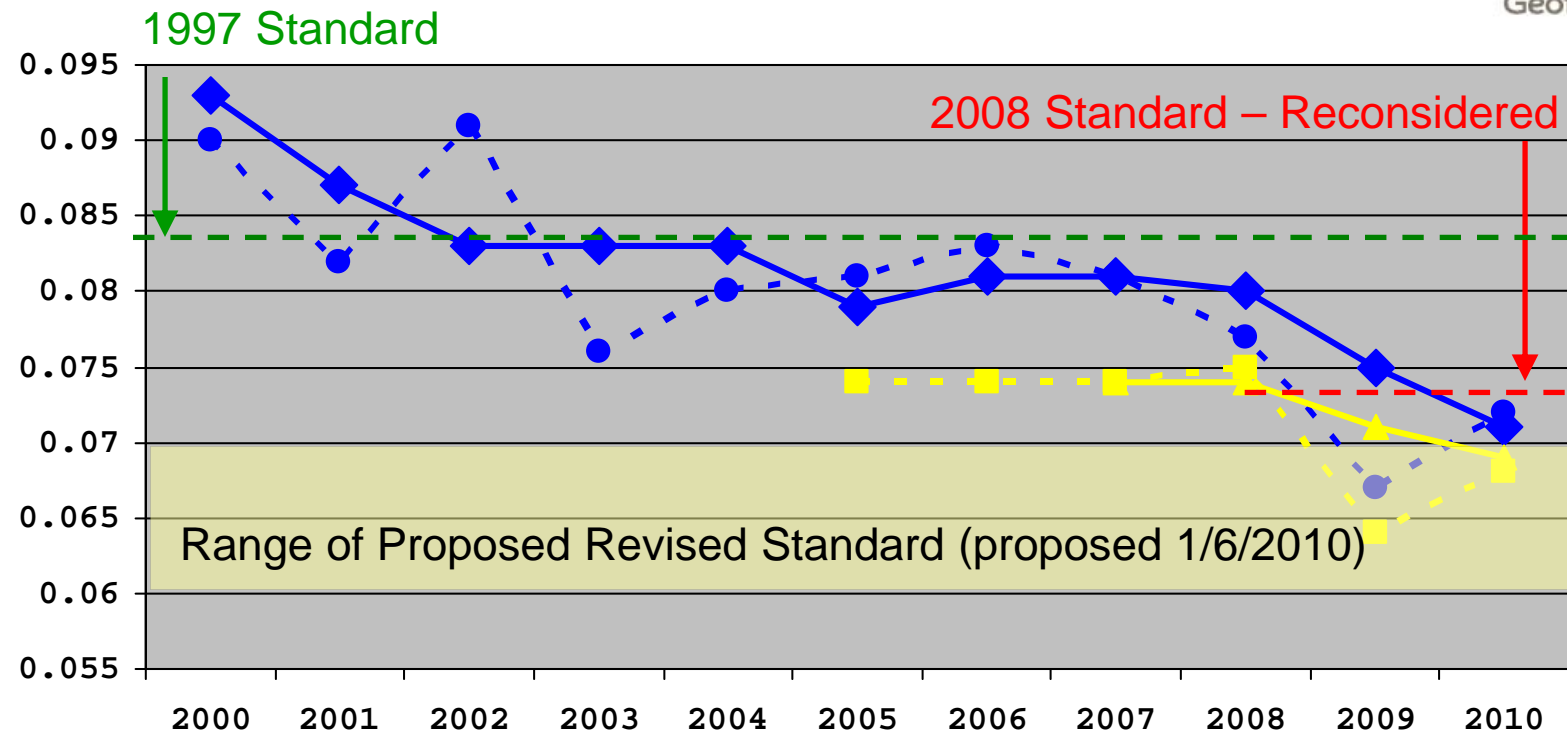
(micrograms per cubic meter – 24-hr average)



* 2010 data not certified

8-HOUR OZONE STANDARD

(parts per million)



Other Pollutants



- Carbon monoxide
 - Both monitors in Georgia (metro Atlanta) meeting standard
 - Proposal requires no new monitors required for Augusta
- Lead (Pb)
 - All monitors in Georgia meeting standard
 - No monitors in Augusta area
- Nitrogen Dioxide (NO₂)
 - All existing monitors in Georgia meeting standard
 - No existing monitors in Augusta area
 - One “road-side” monitor required in Augusta 1/1/2013
 - After designation date (February 2012)

Other Pollutants



- Sulfur Dioxide (SO₂)
 - All existing monitors in Georgia meeting standard
 - None in Augusta area
 - One new monitors will be required for Augusta 1/1/2013
 - After designation date (July 2012)
 - Computer modeling will also be used to identify “violations”
 - Plans for Nonattainment Areas (monitored violations) due February, 2014
 - Plans for modeled only violations due June, 2013

Contact Information



Jimmy Johnston

404-363-7014

jimmy.johnston@gaepd.org

www.georgiaair.org