

Ozone								
8-Hour Ozone (2015) Designated Areas - 0.070 ppm								
Area Name	Current Status	Current Classification	Counties	2014-2016 DV (ppm) (time of designation)	2015-2017 DV (ppm) (as of 6/19/19)	2016-2018 DV (ppm) (as of 6/19/19)	2010 Population	Max Cancer Risk (in 1 million)
Atlanta, GA	Nonattainment	Marginal		0.075	0.075	0.073	3,669,376	
			Bartow, GA					43.233
			Clayton, GA					51.812
			Cobb, GA					89.698
			DeKalb, GA					56.744
			Fulton, GA					114.244
			Gwinnett, GA					45.866
			Henry, GA					47.834
Cincinnati, OH-KY	Nonattainment	Marginal		0.072	0.073	0.075	1,928,528	
			Boone, KY (P)					33.205
			Campbell, KY (P)					34.513
			Kenton, KY (P)					34.751
			Butler, OH (R5)					44.650
			Clermont, OH (R5)					29.298
			Hamilton, OH (R5)					36.648
			Warren, OH (R5)					32.369
Louisville, KY-IN	Nonattainment	Marginal		0.074	0.074	0.075	1,060,541	
			Bullitt, KY					36.537
			Jefferson, KY					46.397
			Oldham, KY					32.384
			Clark, IN (R5)					39.366
			Floyd, IN (R5)					34.847

Violating Monitors in Areas Not Previously Designated Nonattainment for the 8-Hour Ozone (2015) NAAQS

No Areas in Region 4

County-Level Design Values for 2015 8-hr O3 NAAQS Close to Standard (67-70ppb)						
Area Name	Counties	2014-2016 DV (ppm) (as of 10/2/17)	2015-2017 DV (ppm) (as of 7/11/18)	2016-2018 DV (ppm) (as of 6/19/19)	2010 Population	Max Cancer Risk (in 1 million)
Birmingham-Hoover, AL					1,130,047	
	Bibb County, AL	-	-	-		46.461
	Blount County, AL	-	-	-		43.055
	Chilton County, AL	-	-	-		45.933
	Jefferson County, AL	0.068	0.068	0.067		72.865
	St. Clair County, AL	-	-	-		47.099
	Shelby County, AL	0.067	0.066	0.067		49.491
	Walker County, AL	-	-	-		45.594
Tampa-St. Petersburg-Clearwater, FL					2,783,243	
	Hernando County, FL	-	-	-		36.405
	Hillsborough County, FL	0.068	0.067	0.068		51.258
	Pasco County, FL	0.062	0.061	0.063		38.075
	Pinellas County, FL	0.061	0.062	0.065		80.107
Lakeland-Winter Haven, FL					602,095	
	Polk County, FL	0.063	0.066	0.067		42.519
Evansville, IN-KY						
	Posey County, IN	0.066	0.067	0.067		29.349
	Vanderburgh County, IN	0.070	0.069	0.068		33.472
	Warrick County, IN	0.068	0.069	0.069		30.460
	Henderson County, KY	0.069	0.068	0.068		31.144
Winston-Salem, NC						
	Davidson County, NC	-	-	-		37.670
	Davie County, NC	-	-	-		34.081
	Forsyth County, NC	0.068	0.067	0.067		47.626
	Stokes County, NC	-	-	-		31.700
	Yadkin County, NC	-	-	-		31.196

County-Level Design Values for 2015 8-hr O3 NAAQS Close to Standard (67-70ppb)						
Area Name	Counties	2014-2016 DV (ppm) (as of 10/2/17)	2015-2017 DV (ppm) (as of 7/11/18)	2016-2018 DV (ppm) (as of 6/19/19)	2010 Population	Max Cancer Risk (in 1 million)
Charlotte-Concord-Gastonia, NC-SC						
	Cabarrus County, NC	-	-	-		40.308
	Gaston County, NC	-	-	-		64.306
	Iredell County, NC	-	-	-		39.216
	Lincoln County, NC	0.067	0.067	0.065		36.922
	Mecklenburg County, NC	0.070	0.070	0.070		84.669
	Rowan County, NC	0.065	0.064	0.062		41.423
	Union County, NC	0.068	0.067	0.068		39.782
	Chester County, SC	-	-	-		39.808
	Lancaster County, SC	-	-	-		39.163
	York County, SC	0.059	0.062	0.064		43.071
Nashville-Davidson--Murfreesboro--						
	Cannon County, TN	-	-	-		28.597
	Cheatham County, TN	-	-	-		38.273
	Davidson County, TN	0.067	0.066	0.067		52.974
	Dickson County, TN	-	-	-		33.339
	Hickman County, TN	-	-	-		31.724
	Macon County, TN	-	-	-		29.624
	Maury County, TN	-	-	-		44.477
	Robertson County, TN	-	-	-		32.680
	Rutherford County, TN	-	-	-		35.853
	Smith County, TN	-	-	-		29.823
	Sumner County, TN	0.067	0.066	0.066		36.741
	Trousdale County, TN	-	-	-		29.474
	Williamson County, TN	0.061	0.060	0.060		36.811
	Wilson County, TN	0.064	0.063	-		38.037

County-Level Design Values for 2015 8-hr O3 NAAQS Close to Standard (67-70ppb)						
Area Name	Counties	2014-2016 DV (ppm) (as of 10/2/17)	2015-2017 DV (ppm) (as of 7/11/18)	2016-2018 DV (ppm) (as of 6/19/19)	2010 Population	Max Cancer Risk (in 1 million)
Knoxville, TN						
	Anderson County, TN	0.063	0.064	0.064		37.352
	Blount County, TN	0.067	0.067	0.067		39.068
	Campbell County, TN	-	-	-		30.745
	Grainger County, TN	-	-	-		33.189
	Knox County, TN	0.066	0.067	0.067		48.516
	Loudon County, TN	0.069	-	0.067		43.195
	Morgan County, TN	-	-	-		30.798
	Roane County, TN	-	-	-		37.199
	Union County, TN	-	-	-		33.743
Sevierville, TN						
	Sevier County, TN	0.068	0.067	0.067		35.937
Memphis, TN-MS-AR						
	Crittenden County, AR	0.067	-	0.068		36.767
	Benton County, MS	-	-	-		36.928
	DeSoto County, MS	0.064	-	0.065		39.220
	Marshall County, MS	-	-	-		36.629
	Tate County, MS	-	-	-		38.113
	Tunica County, MS	-	-	-		30.702
	Fayette County, TN	-	-	-		35.516
	Shelby County, TN	0.067	0.067	0.069		46.583
	Tipton County, TN	-	-	-		33.598

PM2.5**Annual PM2.5 (2012) Designated Areas - 12 ug/m3****No Areas in Region 4****Sites Violating the Annual PM2.5 (2012) NAAQS in Areas Not Previously Designated Nonattainment for the 2012 NAAQS****No Areas in Region 4**

County-Level Design Values for 2012 Annual PM2.5 NAAQS close to the standard (10-12 ug/m3)						
Area Name	Counties	2014-2016 DV (ug/m3) (time of designation)	2015-2017 DV (ug/m3) (as of 7/18/19)	2016-2018 DV (ug/m3) (as of 7/18/19)	2010 Population	Max Cancer Risk (in 1 million)
Atlanta-Sandy Springs-Roswell, GA						
	Barrow County, GA	-	-	-		76.381
	Bartow County, GA	-	-	-		43.233
	Butts County, GA	-	-	-		44.343
	Carroll County, GA	-	-	-		40.230
	Cherokee County, GA	-	-	-		42.607
	Clayton County, GA	9.9	9.6	9.1		51.812
	Cobb County, GA	9.5	9.0	8.7		89.698
	Coweta County, GA	-	-	-		43.272
	Dawson County, GA	-	-	-		34.876
	DeKalb County, GA	9.3	9.0	8.6		56.744
	Douglas County, GA	-	-	-		44.770
	Fayette County, GA	-	-	-		43.992
	Forsyth County, GA	-	-	-		40.730
	Fulton County, GA	10.4	10.5	10.1		114.244
	Gwinnett County, GA	8.8	8.7	9.0		45.866
	Haralson County, GA	-	-	-		38.665
	Heard County, GA	-	-	-		41.249
	Henry County, GA	-	-	-		47.834
	Jasper County, GA	-	-	-		44.973
	Lamar County, GA	-	-	-		40.742
	Meriwether County, GA	-	-	-		40.620
	Morgan County, GA	-	-	-		50.683
	Newton County, GA	-	-	-		214.071
	Paulding County, GA	-	-	-		41.217
	Pickens County, GA	-	-	-		33.199
	Pike County, GA	-	-	-		40.051
	Rockdale County, GA	-	-	-		48.351
	Spalding County, GA	-	-	-		43.703
	Walton County, GA	-	-	-		52.691

County-Level Design Values for 2012 Annual PM2.5 NAAQS close to the standard (10-12 ug/m3)							
Area Name	Counties		2014-2016 DV (ug/m3) (time of designation)	2015-2017 DV (ug/m3) (as of 7/18/19)	2016-2018 DV (ug/m3) (as of 7/18/19)	2010 Population	Max Cancer Risk (in 1 million)
Birmingham-Hoover, AL							
	Bibb County, AL		-	-	-		46.461
	Blount County, AL		-	-	-		43.055
	Chilton County, AL		-	-	-		45.933
	Jefferson County, AL		10.5	11.0	10.5		72.865
	St. Clair County, AL		-	-	-		47.099
	Shelby County, AL		-	-	-		49.491
	Walker County, AL		-	-	-		45.594

24-Hour PM2.5 (2006) Designated Areas - 35 ug/m3								
Area Name	Current Status	Current Classification	Counties	2006-2008 DV (ug/m3) (time of designation)	2015-2017 DV (ug/m3) (as of 7/18/19)	2016-2018 DV (ug/m3) (as of 7/18/19)	2010 Population	Max Cancer Risk (in 1 million)
Birmingham, AL	Maintenance	Former Subpart 1		39	22	22	857,680	
			Jefferson					72.865
			Shelby					49.491
			Walker (P)					45.594
Area Name	Current Status	Current Classification	Counties	2005-2007 DV (ug/m3) (time of designation)	2015-2017 DV (ug/m3) (as of 7/18/19)	2016-2018 DV (ug/m3) (as of 7/18/19)	2010 Population	Max Cancer Risk (in 1 million)
Knoxville-Sevierville-La Follette, TN*	Maintenance	Moderate		37	34	32	681,523	
* Area at designation had incomplete data w/ respect to the 24hr PM2.5 NAAQS. 1 or more sites for which compliance cannot be determined for 2006-2008 clearly violated the NAAQS in a previous period (e.g., for			Anderson					37.352
			Blount					39.068
			Knox					48.516
			Loudon					43.195
			Roane (P)					37.199

County-Level Design Values for 2006 24-Hour PM_{2.5} NAAQS Close to the Standard (30-35 ug/m³)

Area Name	State	Counties	2014-2016 DV (ug/m ³) (time of designation)	2015-2017 DV (ug/m ³) (as of 7/18/19)	2016-2018 DV (ug/m ³) (as of 7/18/19)	2010 Population	Max Cancer Risk (in 1 million)
Columbus, GA-AL							
	Alabama	Russell County	-	-	-		52.626
	Georgia	Chattahoochee Co.	-	-	-		48.953
	Georgia	Harris County	-	-	-		44.738
	Georgia	Marion County	-	-	-		41.091
	Georgia	Muscogee County	24	29	32		52.808
Knoxville, TN							
	Tennessee	Anderson County	-	-	-		37.352
	Tennessee	Blount County	25	24	23		39.068
	Tennessee	Campbell County	-	-	-		30.745
	Tennessee	Grainger County	-	-	-		33.189
	Tennessee	Knox County	33	34	32		48.516
	Tennessee	Loudon County	20	-	18		43.195
	Tennessee	Morgan County	-	-	-		30.798
	Tennessee	Roane County	18	17	16		37.199
	Tennessee	Union County	-	-	-		33.743

Sites Violating the 24-hour PM_{2.5} (2006) NAAQS in Areas Not Previously Designated Nonattainment for the 2006 NAAQS

No Areas in Region 4

Advance Program Areas

Location	Advance Program	Counties
State of South Carolina	Ozone & PM	All (46)
State of North Carolina	Ozone & PM	All (100)
Middle Georgia Area (Macon)	Ozone & PM	Bibb, Crawford, Houston, Jones, Monroe, Peach & Twiggs
Louisville, KY	Ozone & PM	Jefferson