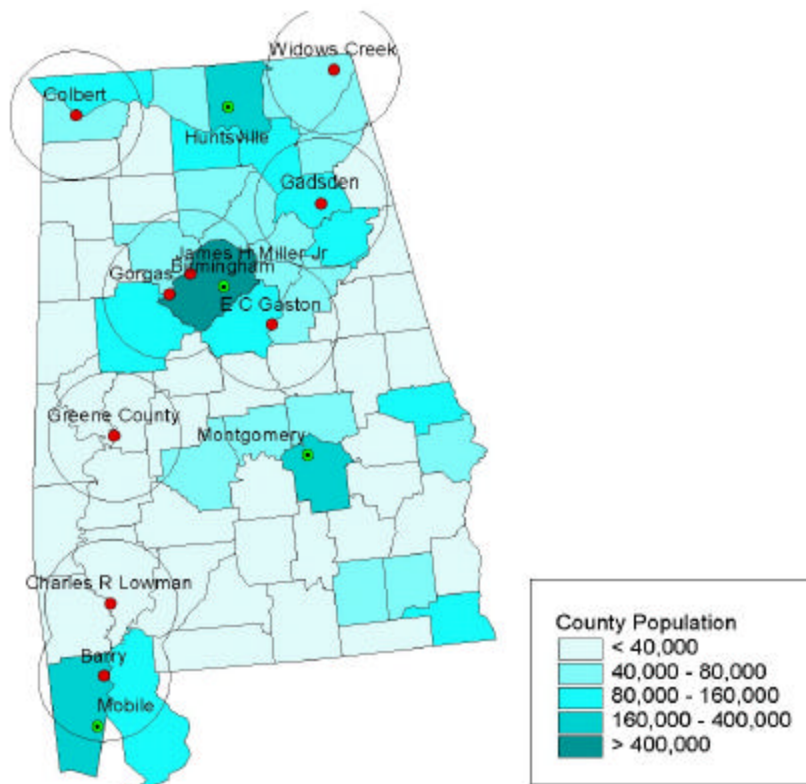


Alabama State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

Total Number of Power Plants	9
Total Reported Releases	
Air	88,323,224
Land	8,478
Water	96

Total Lake Acres/River Miles under Mercury Fish Advisory	0 / 1
--	-------

Total Ozone Non-Attainment Areas	2
----------------------------------	---

Exposure Within 30 Mile Radius

Total Population	2,621,360
Total Number of Children	645,531
Total Number of Children in Poverty	177,755
Total Number of Children With Asthma	34,700

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Alabama

Air Releases (tons except where noted)

Land Waste in Tons (on site (off site))

Plant Name	County	Air Releases									Land Waste in Tons (on site (off site))				Total Reported Water Releases
		Total Reported Air Releases	NOx	SO2	CO2	PM2.5	PM10	VOCs	Acid Gases	Mercury (lbs)	Total Reported Land releases	Arsenic	Chromium	Nickel	
Barry	Mobile	12,525,830	23,673	61,332	12,435,918	687	1,514	148	3,245	520	1,464	41 (0)	94 (0)	76 (0)	11
Charles R Lowman	Washington	4,055,149	9,238	16,209	4,028,993	179	396	46	267	174	191	4 (0)	8 (0)	5 (0)	1
Colbert	Colbert	8,286,529	16,892	70,190	8,196,719	384	848	92	1,788	277	719	15 (0)	28 (0.3)	25 (0.3)	21
E C Gaston	Shelby	13,962,647	29,751	117,856	13,811,099	717	1,581	146	2,215	1,183	1,642	45 (0)	108 (0)	84 (0)	10
Gadsden	Etowah	749,688	2,206	9,738	737,571	32	71	8	95	95	59	0 (0)	0 (0)	- (-)	1
Gorgas	Walker	9,601,912	23,894	70,915	9,503,887	541	1,192	108	1,916	848	1,144	22 (0)	73 (0)	56 (0)	22
Greene County	Greene	4,708,368	10,468	47,891	4,647,240	234	497	52	2,220	241	301	11 (0)	28 (0)	27 (0)	2
James H Miller Jr	Jefferson	22,438,932	32,799	65,192	22,337,061	1,145	2,183	317	1,380	1,466	2,169	40 (0)	102 (0)	80 (0)	4
Widows Creek	Jackson	11,994,170	31,651	52,746	11,905,974	857	1,812	142	1,844	504	789	23 (0.4)	43 (8)	40 (4)	24
Total		88,323,224	180,572	512,069	87,604,462	4,777	10,094	1,058	14,970	5,307	8,478	201 (0)	483 (8)	393 (5)	96

Notes and Sources: All releases are given in tons per year except for mercury which is given in pounds per year. Total air releases is the sum of NOx, SO2, CO2, PM10, VOCs, acid gases, and mercury (PM2.5 is included in PM10). The specific land waste metals were chosen due to their potential to contaminate groundwater. Metals listed include metals and their compounds. The Total Reported Land Releases column does not reflect all solid waste generated from coal-fired power plants. Water releases include total releases from the Toxics Release Inventory (TRI). SO2, NOx, and CO2 emissions come from the EPA's Continuous Emissions Monitoring System data for 2000. Mercury is calculated by applying the mercury emission rates developed in "Mercury Falling" (Environmental Working Group, Clean Air Network, and NRDC, 1999) to the heat input reported in the EPA CEMS data for 2000. PM2.5, PM10, VOCs, and acid gas emission rates were calculated based on the Clean Air Network's data for 1998 emissions. The emission rates were applied to the heat input for 2000. All other data came from the Clean Air Network 1998 data. All calculations were done by MSB Energy Associates for the Clean Air Task Force.

Alabama Exposure Profile for Children Within 30 Miles of a Coal-Fired Power Plant

Data Sources: U.S. Census Population Estimates for 1997; "Estimated Prevalence and Incidence of Lung Disease by Lung Association Territory," American Lung Association, 2001 (data is for 1998).

Exposure from Plants in State

Plant	State	County	Exposed Population	Children Under 18	Children in Pediatric Poverty	Asthma
Barry	AL	Mobile	438,282	115,598	40,255	6,262
Gadsden	AL	Etowah	405,393	96,775	24,324	5,239
Gorgas	AL	Walker	911,119	216,575	52,841	11,511
Greene County	AL	Greene	113,217	32,677	13,601	1,685
E C Gaston	AL	Shelby	775,925	185,098	43,738	10,151
Colbert	AL	Colbert	177,726	41,586	9,269	2,176
Widows Creek	AL	Jackson	111,193	26,464	6,173	1,434
Charles R Lowman	AL	Washington	101,292	29,471	9,808	1,517
James H Miller Jr	AL	Jefferson	928,169	221,957	52,650	11,793