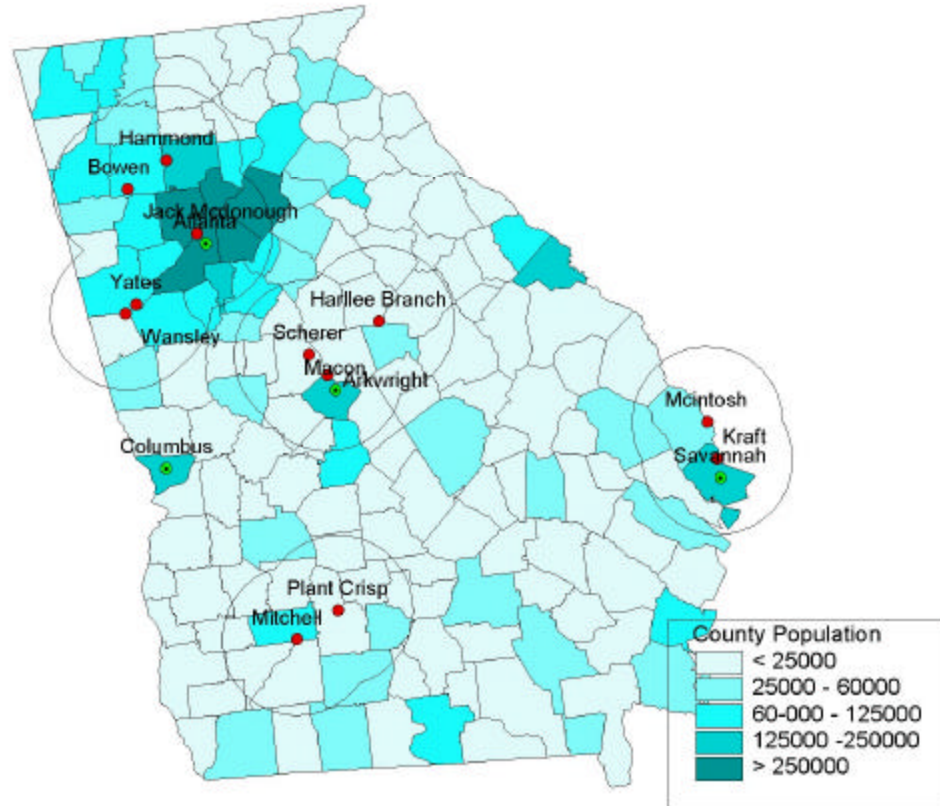


Georgia State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

| | |
|--|--------------|
| Total Number of Power Plants | 12 |
| Total Reported Releases | |
| Air | 83,778,288 |
| Land | 5,560 |
| Water | 66 |
| Total Lake Acres/River Miles under Mercury Fish Advisory | 19,926 / 773 |
| Total Ozone Non-Attainment Areas | 13 |

Exposure Within 30 Mile Radius

| | |
|--------------------------------------|-----------|
| Total Population | 5,477,166 |
| Total Number of Children | 1,247,012 |
| Total Number of Children in Poverty | 323,225 |
| Total Number of Children With Asthma | 78,897 |

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Georgia

Air Releases (tons except where noted)

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

| Plant Name | County | Air Releases (tons except where noted) | | | | | | | | | | Land Waste in Tons (on site (off site)) | | | |
|----------------|-----------|--|----------------|----------------|-------------------|--------------|--------------|--------------|---------------|---------------|------------------------------|---|----------------|----------------|-------------------------------|
| | | Total Reported Air Releases | NOx | SO2 | CO2 | PM2.5 | PM10 | VOCs | Acid Gases | Mercury (lbs) | Total Reported Land releases | Arsenic | Chromium | Nickel | Total Reported Water Releases |
| Arkwright | Bibb | 486,464 | 1,741 | 4,948 | 479,622 | 16 | 34 | 11 | 108 | 16 | 12 | 0 (0) | 0 (0) | - (-) | 0 |
| Bowen | Bartow | 21,431,524 | 43,427 | 155,374 | 21,220,502 | 1,116 | 2,460 | 247 | 9,514 | 637 | 715 | 15 (0) | 59 (0) | 46 (0) | 9 |
| Hammond | Floyd | 5,503,241 | 16,867 | 28,282 | 5,456,480 | 233 | 512 | 63 | 1,037 | 90 | 278 | 0 (0) | 24 (0) | 19 (0) | 2 |
| Harlee Branch | Putnam | 8,898,056 | 38,652 | 69,566 | 8,785,873 | 445 | 981 | 102 | 2,882 | 289 | 686 | 14 (0) | 57 (0) | 45 (0) | 6 |
| Jack Mcdonough | Cobb | 3,352,699 | 5,375 | 28,242 | 3,317,349 | 143 | 314 | 39 | 1,380 | 61 | 180 | 0 (0) | 17 (0) | 13 (0) | 17 |
| Kraft | Chatham | 1,473,370 | 3,416 | 8,447 | 1,460,544 | 320 | 812 | 25 | 125 | 39 | 4 | 0 (0) | 0 (0) | - (-) | 0 |
| Mcintosh | Effingham | 1,395,443 | 4,002 | 7,888 | 1,382,521 | 401 | 829 | 11 | 192 | 42 | 27 | 0 (0) | 0 (0) | - (-) | 0 |
| Mitchell | Dougherty | 628,370 | 1,828 | 4,929 | 621,427 | 34 | 75 | 9 | 101 | 30 | 28 | 0 (0) | 0 (0) | - (-) | 0 |
| Scherer | Monroe | 23,837,942 | 38,145 | 91,286 | 23,701,644 | 1,005 | 1,807 | 320 | 4,740 | 758 | 2,503 | 23 (0) | 110 (0) | 87 (0) | 13 |
| Wansley | Heard | 9,976,494 | 19,079 | 69,218 | 9,883,876 | 424 | 936 | 117 | 3,268 | 251 | 680 | 15 (0) | 56 (0) | 47 (0) | 4 |
| Yates | Coweta | 6,794,686 | 10,640 | 45,104 | 6,736,643 | 287 | 633 | 77 | 1,589 | 194 | 447 | 9 (0) | 37 (0) | 29 (0) | 15 |
| Total | | 83,778,288 | 183,172 | 513,284 | 83,046,481 | 4,423 | 9,392 | 1,022 | 24,937 | 2,407 | 5,560 | 77 (0) | 359 (0) | 286 (0) | 66 |

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.

Georgia 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 |
|----------------|-------|-----------|--------------------|-------------------|-------------------------------|--------|
| Arkwright | GA | Bibb | 460,839 | 113,694 | 33,558 | 6,551 |
| Bowen | GA | Bartow | 1,126,191 | 240,170 | 40,480 | 16,154 |
| Hammond | GA | Floyd | 1,326,068 | 275,068 | 56,194 | 18,881 |
| Harlee Branch | GA | Putnam | 220,403 | 54,751 | 16,429 | 3,155 |
| Jack Mcdonough | GA | Cobb | 3,218,845 | 682,159 | 152,916 | 45,546 |
| Mitchell | GA | Dougherty | 243,971 | 69,749 | 27,526 | 3,894 |
| Yates | GA | Coweta | 653,434 | 145,511 | 33,871 | 9,727 |
| Kraft | GA | Chatham | 321,813 | 79,434 | 25,030 | 4,704 |
| Wansley | GA | Heard | 481,318 | 108,667 | 25,368 | 7,274 |
| Mcintosh | GA | Effingham | 307,793 | 75,274 | 23,887 | 4,430 |
| Scherer | GA | Monroe | 451,149 | 109,439 | 32,347 | 6,494 |