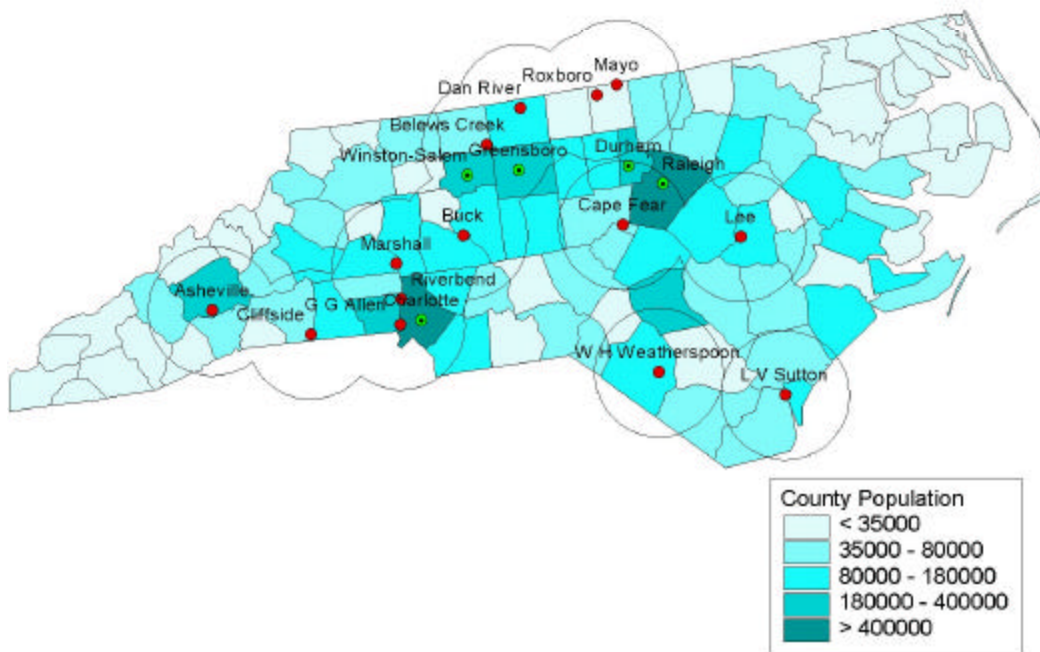


North Carolina State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

Total Number of Power Plants	14
Total Reported Releases	
Air	73,944,757
Land	4,153
Water	50
Total Lake Acres/River Miles under Mercury Fish Advisory	306,584 / 37,600
Total Ozone Non-Attainment Areas	0

Exposure Within 30 Mile Radius

Total Population	5,493,365
Total Number of Children	1,166,947
Total Number of Children in Poverty	252,453
Total Number of Children With Asthma	74,947

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

North Carolina

Air Releases (tons except where noted)

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

Plant Name	County	Total Reported Air Releases									Total Reported Land releases				Total Reported Water Releases
		NOx	SO2	CO2	PM2.5	PM10	VOCs	Acid Gases	Mercury (lbs)	Arsenic	Chromium	Nickel			
Asheville	Buncombe	3,031,041	5,925	20,181	3,003,068	163	358	32	1,477	153	229	16 (0)	14 (0)	13 (0)	3
Belews Creek	Stokes	11,837,876	34,555	72,329	11,727,317	495	1,092	132	2,451	359	345	18 (0)	29 (0)	19 (0)	2
Buck	Rowan	1,980,872	4,283	10,245	1,965,628	108	238	22	456	138	102	0 (0)	12 (0)	- (-)	1
Cape Fear	Chatham	1,682,893	4,283	12,651	1,664,804	84	184	23	947	86	197	14 (0)	12 (0)	12 (0)	0
Cliffside	Cleveland	4,206,951	9,437	29,139	4,167,194	144	318	42	821	99	254	10 (0)	23 (0)	15 (0)	10
Dan River	Rockingham	1,179,005	2,574	5,833	1,170,228	55	123	13	234	50	33	0 (0)	0 (0)	- (-)	1
G G Allen	Gaston	5,963,239	13,054	34,059	5,914,264	268	589	66	1,207	171	350	18 (0)	31 (0)	20 (0)	9
L V Sutton	New Hanover	2,941,733	6,358	22,548	2,911,008	144	317	34	1,468	161	299	22 (0)	18 (0)	18 (0)	9
Lee	Wayne	2,521,811	5,841	16,853	2,497,634	106	229	29	1,224	126	186	13 (0)	11 (0)	11 (0)	1
Marshall	Catawba	13,378,947	27,074	79,041	13,262,503	3,325	7,362	149	2,818	457	469	24 (0)	39 (0)	26 (0)	5
Mayo	Person	5,870,583	9,965	29,512	5,827,688	321	694	61	2,663	266	467	32 (0)	26 (0)	27 (0)	4
Riverbend	Gaston	2,690,399	5,488	17,462	2,666,623	103	226	28	572	127	111	0 (0)	13 (0)	- (-)	1
Roxboro	Person	15,709,888	28,513	96,913	15,575,046	742	1,628	172	7,616	706	1,067	74 (0)	59 (0)	61 (0)	4
W H Weatherspoon	Robeson	949,521	2,889	6,625	939,474	42	92	10	431	42	44	0 (0)	0 (0)	- (-)	0
Total		73,944,757	160,239	453,391	73,292,479	6,100	13,451	813	24,384	2,942	4,153	240 (0)	284 (0)	221 (0)	50

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.

North Carolina 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
Asheville	NC	Buncombe	442,988	87,763	19,345	5,465
Cape Fear	NC	Chatham	1,023,282	197,856	37,632	13,807
Lee	NC	Wayne	468,556	109,170	30,395	6,768
Roxboro	NC	Person	205,961	42,980	8,501	2,656
L V Sutton	NC	New Hanover	277,678	54,692	16,087	3,723
W H Weatherspoon	NC	Robeson	351,258	94,459	30,218	5,663
G G Allen	NC	Gaston	1,210,084	257,763	49,994	17,143
Buck	NC	Rowan	961,968	203,987	36,364	12,866
Cliffside	NC	Cleveland	282,307	63,556	12,611	3,831
Dan River	NC	Rockingham	417,994	87,840	17,700	5,319
Marshall	NC	Catawba	1,212,280	259,524	47,908	16,868
Riverbend	NC	Gaston	1,345,762	286,385	54,701	18,937
Mayo	NC	Person	162,575	35,765	8,110	2,189
Belews Creek	NC	Stokes	986,010	207,042	40,458	12,605