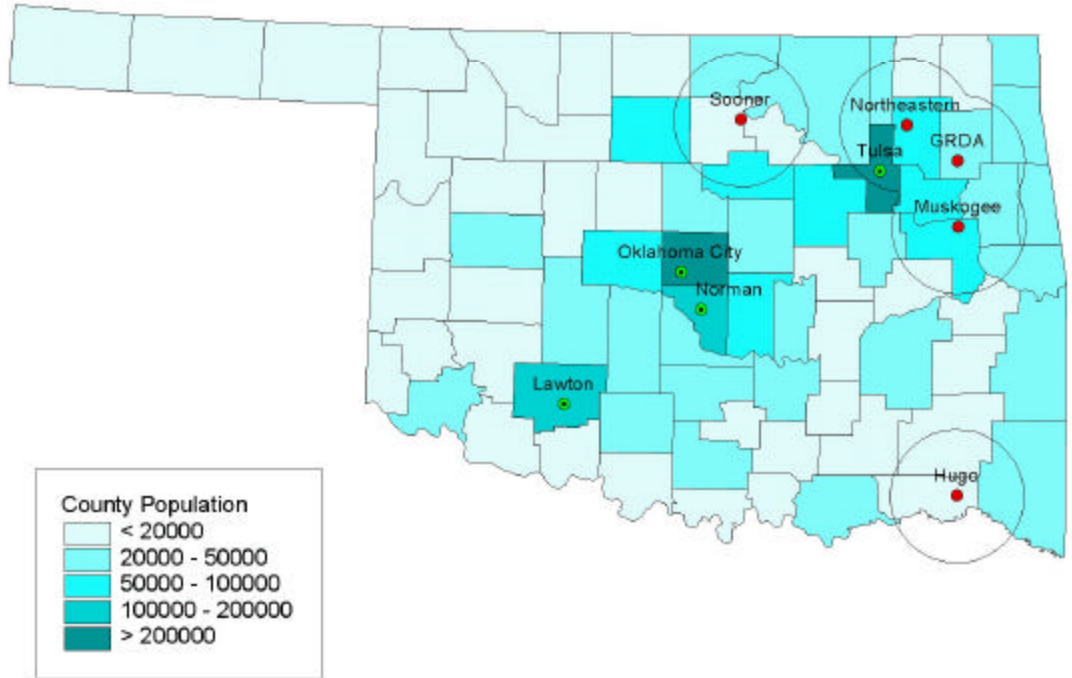


Oklahoma State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

Total Number of Power Plants	5
Total Reported Releases	
Air	38,849,383
Land	310
Water	30
Total Lake Acres/River Miles under Mercury Fish Advisory	0 / 0
Total Ozone Non-Attainment Areas	0

Exposure Within 30 Mile Radius

Total Population	1,181,572
Total Number of Children	294,473
Total Number of Children in Poverty	82,180
Total Number of Children With Asthma	16,611

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Oklahoma

Air Releases (tons except where noted)

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

Plant Name	County	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
GRDA	Mayer	7,782,277	13,842	20,393	7,747,374	308	448	125	95	237	575	0 (0)	7 (0)		0
Hugo	Choctaw	3,084,492	3,248	7,379	3,072,067	120	175	47	1,576	74	4	0 (0)	0 (0)		4
Muskogee	Muskogee	12,002,233	21,825	29,418	11,949,750	539	785	229	226	370	354	0 (0)	0 (3)	0 (5)	4
Northeastern	Rogers	8,601,376	17,714	17,690	8,564,533	312	453	168	818	177	321	0 (0)	5 (0)	3 (0)	22
Sooner	Noble	7,379,006	13,029	17,867	7,347,487	271	393	109	121	240	94	0 (0)	0 (0)		0
Total		38,849,383	69,658	92,747	38,681,211	1,550	2,255	677	2,835	1,099	1,348	0 (0)	12 (3)	3 (5)	30

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.

Oklahoma 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
GRDA	OK	Mayes	343,318	85,075	23,611	4,999
Muskogee	OK	Muskogee	221,845	56,623	18,204	3,252
Northeastern	OK	Rogers	702,104	174,521	43,618	9,936
Sooner	OK	Noble	147,086	35,574	8,419	1,913
Hugo	OK	Choctaw	55,082	15,027	6,626	810