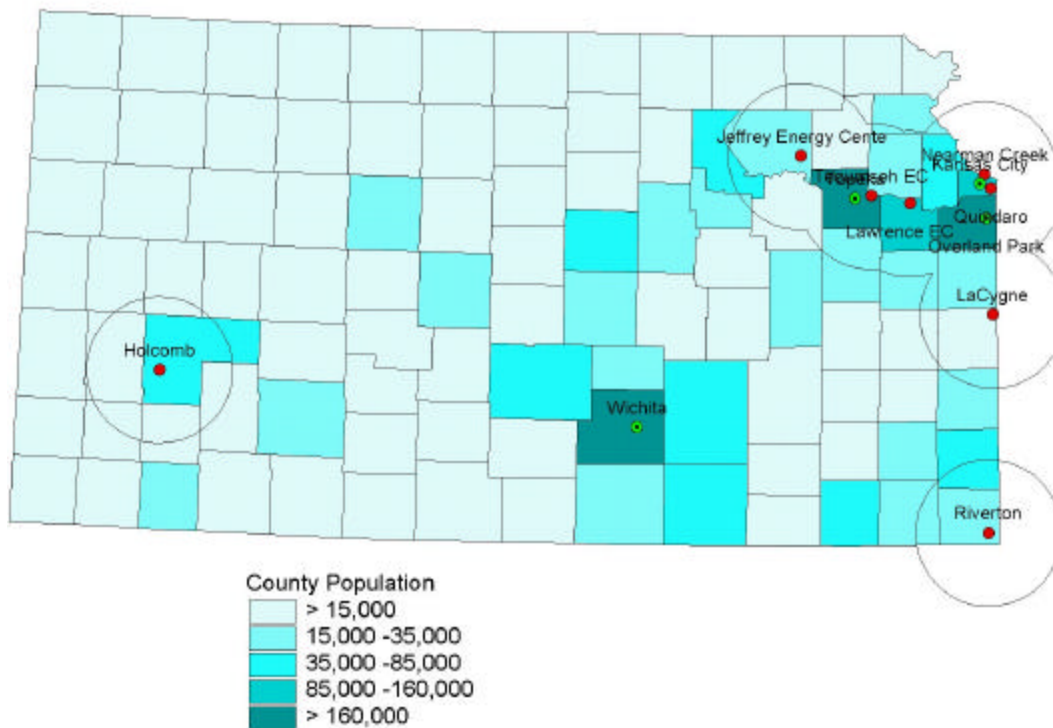


Kansas State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

Total Number of Power Plants	8
Total Reported Releases	
Air	39,717,525
Land	3,496
Water	4
Total Lake Acres/River Miles under Mercury Fish Advisory	0 / 0
Total Ozone Non-Attainment Areas	0

Exposure Within 30 Mile Radius

Total Population	1,272,668
Total Number of Children	316,011
Total Number of Children in Poverty	46,248
Total Number of Children With Asthma	18,157

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Kansas

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
Holcomb	Finney	2,733,552	3,715	2,094	2,727,366	62	186	42	150	46	732	0 (0)	11 (0)	10 (0)	0
Jeffrey Energy Center	Pottawatomie	16,654,369	29,347	58,495	16,563,670	1,065	2,413	250	193	593	866	0 (0)	8 (0.1)	6 (0.1)	2
LaCygne	Linn	11,412,538	34,136	30,681	11,346,077	730	1,176	285	182	473	975	0 (0)	17 (0.1)	11 (0.1)	0
Lawrence EC	Douglas	3,280,708	5,878	2,961	3,270,636	450	1,126	42	65	126	195	0 (0)	0 (0)	- (-)	1
Nearman Creek	Wyandotte	2,162,584	4,382	7,596	2,149,047	195	302	33	1,223	51	368	0 (0)	0 (0)	- (-)	0
Quindaro	Wyandotte	1,064,222	2,299	3,170	1,057,923	117	190	23	618	34	169	0 (0)	0 (0)	- (-)	0
Riverton	Cherokee	564,498	1,199	2,690	560,435	54	106	18	50	15	88	0 (0)	0 (0)	- (-)	0
Tecumseh EC	Shawnee	1,845,056	3,581	5,409	1,835,461	158	456	28	120	68	103	0 (0)	0 (0)	- (-)	1
Total		39,717,525	84,537	113,096	39,510,615	2,831	5,955	721	2,600	1,405	3,496	0 (0)	36 (0)	27 (0)	4

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.

Kansas 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
Riverton	KS	Cherokee	69,137	16,704	3,961	911
LaCygne	KS	Linn	68,824	16,725	2,149	997
Lawrence EC	KS	Douglas	688,126	164,953	22,444	9,655
Tecumseh EC	KS	Shawnee	346,210	81,233	12,509	4,684
Quindaro	KS	Wyandotte	678,955	167,069	21,447	9,786
Nearman Creek	KS	Wyandotte	680,942	167,553	21,511	9,815
Jeffrey Energy Center	KS	Pottawatomie	266,780	66,704	10,402	3,657