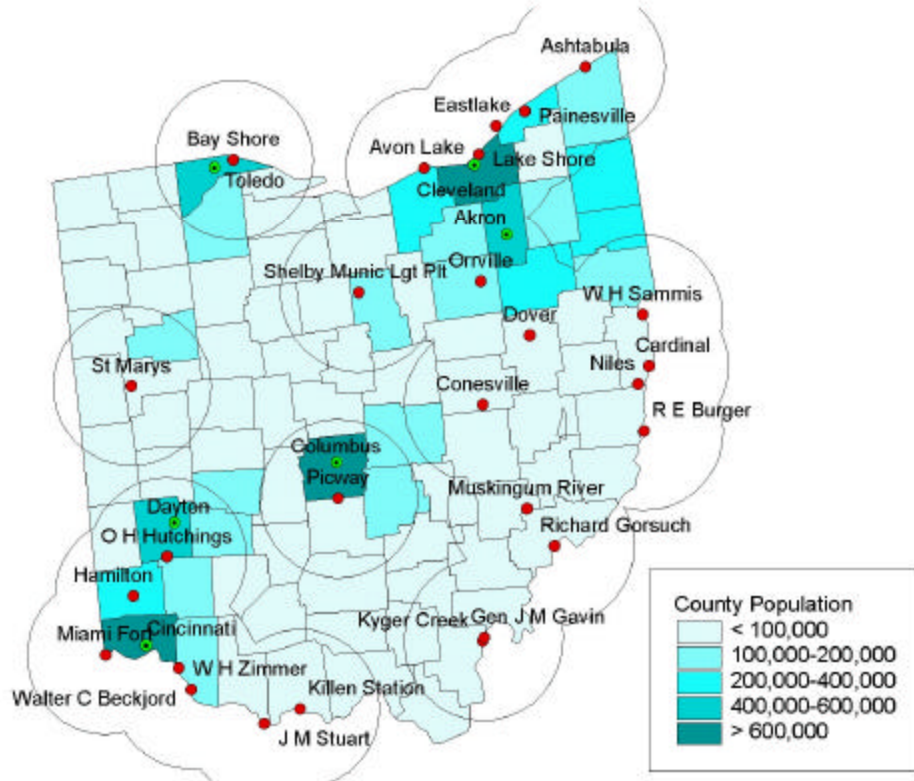


Ohio State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

Total Number of Power Plants	27
Total Reported Releases	
Air	137,570,633
Land	9,311
Water	194
Total Lake Acres/River Miles under Mercury Fish Advisory	188,461 / 29,113
Total Ozone Non-Attainment Areas	4

Exposure Within 30 Mile Radius

Total Population	10,331,302
Total Number of Children	2,577,634
Total Number of Children in Poverty	489,664
Total Number of Children With Asthma	139,029

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Ohio

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				Total Reported Water Releases
											Arsenic	Chromium	Nickel		
Ashtabula	Ashtabula	1,561,299	2,778	7,861	1,549,619	66	147	16	877	125	0 (0)	0 (0)	- (-)	0	
Avon Lake	Lorain	3,192,573	11,679	22,096	3,157,461	133	291	34	1,012	305	158 0 (6)	0 (13)	0 (12)	1	
Bay Shore	Lucas	3,227,084	11,464	9,062	3,205,808	145	211	49	490	175	36 0 (0)	3 (0)	5 (0)	1	
Cardinal	Jefferson	10,595,897	28,677	119,354	10,441,086	572	1,261	120	5,398	503	906 37 (0.2)	66 (31.7)	63 (13)	79	
Conesville	Coshocton	11,382,206	28,892	137,941	11,211,119	429	946	148	3,160	1,085	563 27 (0.2)	41 (13.2)	36 (6)	2	
Eastlake	Lake	5,781,857	15,598	62,595	5,700,597	201	443	59	2,564	523	309 0 (12)	0 (24.5)	0 (23)	2	
Gen J M Gavin	Gallia	18,113,186	42,483	24,695	18,042,121	1,042	2,298	218	1,371	1,157	1,418 56 (0.3)	111 (14.8)	102 (6)	5	
Hamilton	Butler	219,116	437	997	217,537	12	26	4	115	6	2 0 (0)	0 (0)	- (-)	0	
J M Stuart	Adams	15,186,229	43,299	105,655	15,028,267	1,051	2,316	183	6,509	652	1,635 135 (0)	135 (0)	100 (0)	6	
Killen Station	Adams	4,806,976	10,548	24,636	4,769,250	277	611	51	1,881	248	515 43 (0)	43 (0)	32 (0)	0	
Kyger Creek	Gallia	8,000,918	29,860	126,191	7,840,394	266	468	63	3,941	477	504 25 (0)	44 (0)	34 (0)	8	
Lake Shore	Cuyahoga	511,684	961	1,238	509,278	12	18	5	183	8	11 0 (0)	0 (0)	- (-)	0	
Miami Fort	Hamilton	9,419,515	25,518	81,513	9,308,268	532	1,170	102	2,944	376	164 5 (0.3)	19 (0.7)	21 (0.9)	44	
Muskingum River	Morgan	8,450,914	28,417	156,037	8,261,015	383	786	120	4,539	356	527 25 (0.1)	38 (28.6)	33 (12)	12	
Niles	Mahoning	1,386,936	6,163	19,837	1,360,394	20	46	32	464	133	14 0 (0)	0 (0)	- (-)	0	
OH Hutchings	Montgomery	1,079,720	3,110	6,658	1,069,300	52	114	13	525	66	85 0 (0)	0 (0)	- (-)	0	
Picway	Pickaway	495,218	1,139	10,563	483,388	22	47	6	75	65	11 0 (0)	0 (0)	- (-)	0	
R E Burger	Belmont	2,164,410	6,908	47,244	2,108,772	152	330	24	1,132	137	77 0 (0)	0 (0)	0 (9)	1	
Richard Gorsuch	Washington	2,094,860	3,802	33,712	2,056,358	164	362	28	598	118	298 0 (6)	0 (22.5)	0 (13)	1	
WH Sammis	Jefferson	13,565,425	32,832	120,619	13,404,729	721	1,656	153	5,436	552	1,068 0 (42)	0.1 (83.5)	0 (77)	6	
WH Zimmer	Clermont	8,159,031	18,682	19,411	8,119,286	404	891	97	664	301	668 20 (0)	60 (0)	100 (0)	21	
Walter C Beckjord	Clermont	8,175,579	21,410	71,434	8,079,087	436	959	89	2,600	356	341 10 (7)	18 (12.8)	17 (12)	5	
Total		137,570,633	374,657	1,209,349	135,923,134	7,092	15,398	1,617	46,479	7,725	9,310 381 (73)	578 (245)	541 (182)	194	

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.

Ohio 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
Cardinal	OH	Jefferson	231,754	57,676	13,460	2,911
Walter C Beckjord	OH	Clermont	1,312,500	335,893	57,281	18,336
Miami Fort	OH	Hamilton	1,235,074	315,665	54,331	17,019
Ashtabula	OH	Ashtabula	225,994	57,877	9,381	3,090
Avon Lake	OH	Lorain	1,842,584	452,913	101,898	23,824
Eastlake	OH	Lake	1,852,569	450,078	98,510	23,511
Lake Shore	OH	Cuyahoga	2,373,347	579,476	119,619	30,657
Conesville	OH	Coshocton	374,421	97,498	19,354	5,378
Picway	OH	Pickaway	1,445,578	335,785	64,108	19,229
O H Hutchings	OH	Montgomery	1,793,449	446,953	72,947	24,518
J M Stuart	OH	Adams	118,128	30,121	6,659	1,801
Niles	OH	Mahoning	201,341	49,866	11,768	2,496
R E Burger	OH	Belmont	147,108	36,415	8,782	1,832
W H Sammis	OH	Jefferson	274,633	69,353	15,707	3,563
Muskingum River	OH	Morgan	283,785	69,919	16,576	3,788
Kyger Creek	OH	Gallia	183,807	43,999	12,931	2,437
Bay Shore	OH	Lucas	661,752	174,775	33,973	9,105
Hamilton	OH	Butler	1,800,654	454,026	76,624	24,764
W H Zimmer	OH	Clermont	1,010,334	262,264	46,451	14,176
Killen Station	OH	Adams	138,360	35,710	10,732	2,042
Richard Gorsuch	OH	Washington	152,372	36,811	8,628	1,973
Gen J M Gavin	OH	Gallia	183,807	43,999	12,931	2,437