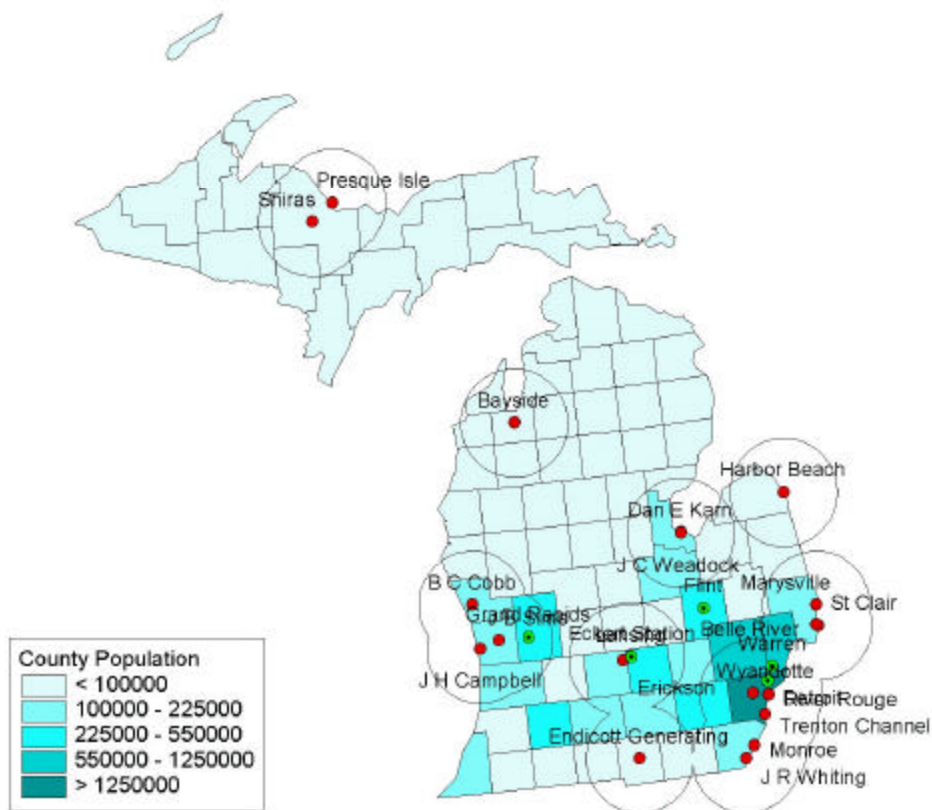


Michigan State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

Total Number of Power Plants	20
Total Reported Releases	
Air	75,587,293
Land	6,184
Water	126
Total Lake Acres/River Miles under Mercury Fish Advisory	887,019 / 139
Total Ozone Non-Attainment Areas	0

Exposure Within 30 Mile Radius

Total Population	7,525,865
Total Number of Children	1,929,662
Total Number of Children in Poverty	404,408
Total Number of Children With Asthma	106,194

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Michigan

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		
B C Cobb	Muskegon	2,586,713	4,387	16,081	2,565,680	147	213	34	318	129	118	0 (0)	0 (4)	- (-)	6
Belle River	St. Clair	10,890,209	14,201	29,357	10,845,777	335	488	160	226	189	591	6 (0)	10 (0)	8 (0)	23
Dan E Karn	Bay	4,985,891	8,625	23,678	4,950,903	231	467	103	2,115	186	351	0 (0)	22 (0)	18 (0)	27
Eckert Station	Ingham	2,129,371	3,933	6,678	2,117,620	85	187	29	925	123	262	0 (0)	0 (0)	- (-)	12
Endicott Generating	Hillsdale	413,722	802	755	412,121	18	39	4	0	12		0 (0)	0 (0)	- (-)	0
Erickson	Eaton	976,110	1,973	6,504	967,202	38	84	11	336	47	36	0 (0)	0 (0)	- (-)	0
Harbor Beach	Huron	344,743	1,535	2,246	340,768	12	25	4	164	12	21	0 (0)	0 (0)	- (-)	0
J B Sims	Ottawa	399,108	750	626	397,682	20	44	5	0	15		0 (0)	0 (0)	- (-)	0
J C Weadock	Bay	2,435,984	3,608	9,614	2,420,670	120	265	32	1,795	110	351	0 (0)	22 (0)	18 (0)	27
J H Campbell	Ottawa	8,808,913	21,266	40,762	8,743,339	398	877	102	2,567	325	470	0 (0)	27 (0)	22 (0)	9
J R Whiting	Monroe	2,414,862	3,609	10,376	2,399,410	131	289	27	1,151	102	76	0 (0)	10 (0)	8 (0)	0
James De Young	Ottawa	231,512	468	1,438	229,461	15	29	4	111	20		0 (0)	0 (0)	- (-)	1
Marysville	St. Clair	246,727	617	1,474	244,462	10	20	3	151	8		0 (0)	0 (0)	- (-)	0
Monroe	Monroe	18,240,563	47,086	107,542	18,080,981	762	1,110	233	3,612	651	2,269	18 (0)	75 (0)	95 (0)	6
Presque Isle	Marquette	4,190,008	12,661	18,844	4,156,469	617	1,295	61	678	156	116	0 (0)	0 (0)	7 (0)	0
River Rouge	Wayne	2,834,020	5,576	12,488	2,815,041	123	210	35	669	128	252	0 (0)	2 (8)	2 (8)	3
Shiras	Marquette	406,177	355	356	405,442	12	19	6	0	9	92	0 (0)	0 (0)	- (-)	0
St Clair	St. Clair	8,250,835	19,131	50,327	8,180,019	309	452	124	782	216	787	6 (0)	12 (0)	7 (0)	3
Trenton Channel	Wayne	4,372,868	7,610	27,758	4,336,479	178	259	56	706	185	392	0 (0)	2 (9)	2 (11)	9
Wyandotte	Wayne	428,957	832	1,760	426,323	17	36	6	0			0 (0)	0 (0)	0 (0)	0
Total		75,587,293	159,025	368,664	75,035,849	3,578	6,408	1,040	16,306	2,624	6,184	30 (0)	179 (20)	185 (19)	126

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.

Michigan 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
B C Cobb	MI	Muskegon	400,721	104,815	19,270	6,131
Dan E Karn	MI	Bay	505,714	136,600	31,280	7,171
J H Campbell	MI	Ottawa	858,010	224,203	33,635	13,114
J C Weadock	MI	Bay	512,006	138,338	31,751	7,262
J R Whiting	MI	Monroe	444,761	117,641	26,899	6,396
Harbor Beach	MI	Huron	59,886	15,928	3,072	865
Marysville	MI	St. Clair	320,963	79,929	11,304	4,561
Monroe	MI	Monroe	941,812	252,170	72,449	13,486
River Rouge	MI	Wayne	3,905,677	1,002,506	247,736	54,159
St Clair	MI	St. Clair	663,813	159,720	19,907	9,005
Trenton Channel	MI	Wayne	3,178,848	834,916	230,791	44,751
Presque Isle	MI	Marquette	74,404	21,808	3,167	1,018
James De Young	MI	Ottawa	1,018,020	266,104	40,007	15,535
Eckert Station	MI	Ingham	668,858	167,485	27,971	9,264
Erickson	MI	Eaton	650,753	162,897	27,445	9,008
Wyandotte	MI	Wayne	4,215,133	1,071,834	255,038	58,197
Belle River	MI	St. Clair	673,425	161,706	19,570	9,132