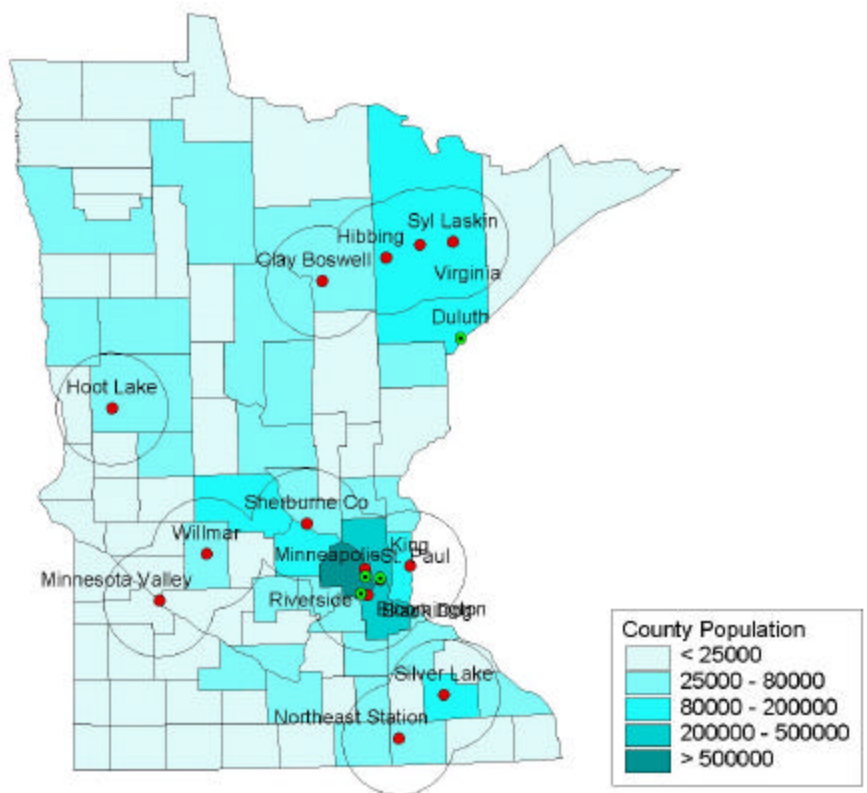


Minnesota State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

Total Number of Power Plants	13
Total Reported Releases	
Air	38,300,886
Land	5,192
Water	9
Total Lake Acres/River Miles under Mercury Fish Advisory	1,375,992 / 3,075
Total Ozone Non-Attainment Areas	0

Exposure Within 30 Mile Radius

Total Population	3,670,168
Total Number of Children	900,276
Total Number of Children in Poverty	108,706
Total Number of Children With Asthma	52,479

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Minnesota

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			
Black Dog	Dakota	1,950,739	6,961	3,442	1,940,160	79	131	30	16	37	76	0 (0)	0 (0)	- (-)	0
Clay Boswell	Itasca	7,666,480	14,046	15,149	7,636,336	441	783	114	52	308	800	0 (0)	12 (0)	- (-)	6
High Bridge	Ramsey	1,929,281	5,328	3,459	1,920,237	119	210	35	13	41	76	0 (0)	0 (0)	- (-)	0
Hoot Lake	Otter Tail	1,027,406	1,844	2,639	1,022,831	37	74	14	5	44	51	0 (0)	0 (0)	- (-)	0
King	Washington	3,841,366	13,213	27,251	3,800,539	79	201	108	55	83	274	0 (0)	0 (0)	0 (32)	1
Minnesota Valley	Chippewa	2,236	2	2	2,231	0	1	0	0			0 (0)	0 (0)	0 (0)	0
Northeast Station	Mower	183,585	395	1,906	181,189	8	19	3	73	11	6	0 (0)	0 (0)	- (-)	0
Riverside	Hennepin	2,901,290	13,373	12,794	2,874,901	48	132	62	27	72	158	0 (0)	0 (0)	0 (8)	0
Sherburne Co	Sherburne	17,731,974	26,997	22,762	17,679,632	1,094	2,283	272	28	321	3,684	0 (0)	39 (0)	34 (0)	0
Silver Lake	Olmsted	273,128	542	2,028	270,187	14	34	7	330	13	2	0 (0)	0 (0.1)	0 (0.1)	0
Syl Laskin	St. Louis	793,401	1,850	1,508	789,877	71	154	12	0	19	65	0 (0)	0 (0)	- (-)	2
Total		38,300,886	84,551	92,940	38,118,120	1,991	4,022	656	598	948	5,192	0 (0)	51 (0)	34 (40)	9

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.

Minnesota 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
Syl Laskin	MN	St. Louis	65,094	16,001	2,490	827
Clay Boswell	MN	Itasca	62,002	15,858	3,044	890
Black Dog	MN	Dakota	2,515,011	598,641	73,150	35,239
High Bridge	MN	Ramsey	2,543,878	605,928	73,832	35,797
King	MN	Washington	1,941,753	464,998	57,921	27,271
Riverside	MN	Hennepin	2,621,432	625,377	75,459	37,210
Hoot Lake	MN	Otter Tail	87,471	22,336	3,476	1,237
Silver Lake	MN	Olmsted	229,242	60,779	5,794	3,393
Sherburne Co	MN	Sherburne	546,683	137,897	14,616	8,451