

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Missouri

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
Asbury	Jasper	1,487,607	5,877	3,735	1,477,870	0	0	0	125	39	222	0 (0)	0 (0)	- (-)	0
Blue Valley	Jackson	169,167	289	3,903	164,975	0	0	0	0	15		0 (0)	0 (0)	0 (0)	0
Chamois	Osage	441,347	1,945	2,654	436,501	0	0	0	247	11		0 (0)	0 (0)	- (-)	0
Columbia	Boone	104,217	260	643	103,201	18	31	1	81		220	0 (0)	0 (0)	- (-)	0
Hawthorn	Jackson	309,223	146	1	308,964	45	92	9	11	26	80	0 (0)	0 (0)	- (-)	0
Iatan	Platte	4,280,454	6,056	13,430	4,260,446	231	358	69	96	142	368	0 (0)	0 (0)	- (-)	0
James River Power Station	Greene	1,720,768	4,961	6,513	1,708,766	73	106	168	254	66		0 (0)	0 (0)	- (-)	1
Labadie	Franklin	16,120,996	9,178	39,293	16,069,898	766	1,406	248	973	588	1,725	0 (0)	25 (0)	20 (0)	20
Lake Road	Buchanan	587,193	2,731	1,760	582,358	27	56	22	265	13		0 (0)	0 (0)	- (-)	1
Meramec	St. Louis	3,986,340	7,765	17,930	3,957,804	155	363	58	2,420	144	173	0 (0)	14 (0)	- (-)	6
Montrose	Henry	3,751,856	6,132	9,518	3,735,651	243	421	54	80	90	197	0 (0)	0 (0)	- (-)	0
New Madrid	New Madrid	8,468,890	35,861	16,451	8,415,550	91	658	230	140	229	594	0 (0)	4 (0.1)	- (-)	4
Rush Island	Jefferson	8,305,917	5,390	26,900	8,272,522	456	798	140	166	433	1,138	0 (0)	13 (0)	7 (0)	26
Sibley	Jackson	3,501,777	13,359	15,879	3,472,443	0	0	0	96	106		0 (0)	0 (0)	0 (0)	2
Sikeston	Scott	2,191,822	2,362	6,523	2,182,425	166	278	37	198	69	3,518	0.4 (0)	0 (0)	1 (0)	0
Sioux	St. Charles	5,460,874	25,266	36,539	5,396,971	145	369	148	1,582	260	657	0 (0)	12 (0)	48 (0)	5
Southwest Power Station	Greene	1,546,926	2,362	2,737	1,541,559	76	162	24	82	41	6	0 (0)	0 (0)	- (-)	0
Thomas Hill	Randolph	9,286,877	26,774	18,313	9,240,887	282	574	188	141	217	747	0 (0)	0 (0)	- (-)	2
Total		71,722,251	156,714	222,722	71,328,791	2,773	5,671	1,396	6,957	2,487	9,645	0 (0)	67 (0)	76 (0)	67

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.

Missouri 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
Asbury	MO	Jasper	142,257	33,800	7,870	1,973
Montrose	MO	Henry	109,228	24,883	5,927	1,479
Sibley	MO	Jackson	1,008,204	245,761	51,220	14,069
Lake Road	MO	Buchanan	173,208	42,906	8,112	2,372
Labadie	MO	Franklin	1,459,716	364,956	51,043	20,611
Meramec	MO	St. Louis	1,796,550	458,991	85,194	24,750
Sioux	MO	St. Charles	1,639,766	416,349	78,059	22,412
Blue Valley	MO	Jackson	1,040,466	253,203	51,875	14,594
James River Power Stn	MO	Greene	408,575	85,697	19,183	5,339
New Madrid	MO	New Madrid	123,160	34,487	12,666	1,841
Thomas Hill	MO	Randolph	106,843	26,830	5,521	1,432
Chamois	MO	Osage	216,105	51,323	7,948	3,026
Iatan	MO	Platte	283,022	67,353	9,950	3,913
Rush Island	MO	Jefferson	528,117	135,011	23,288	7,584
Southwest Power Stn	MO	Greene	414,384	87,458	19,624	5,437
Sikeston	MO	Scott	158,565	41,483	12,502	2,259