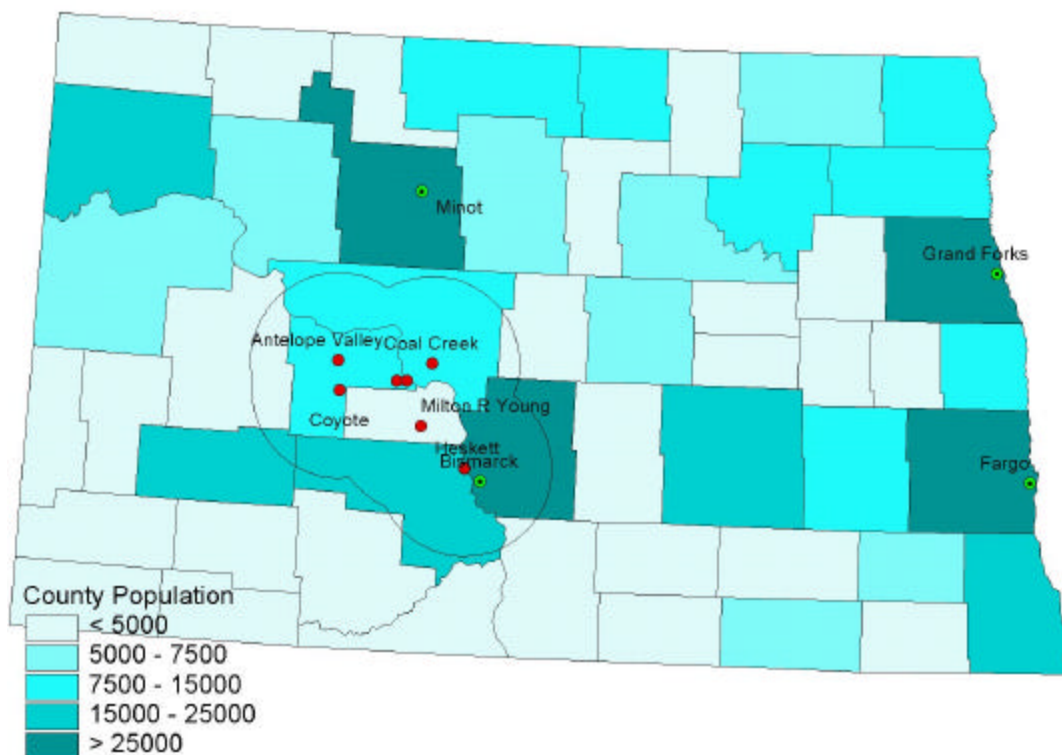


North Dakota State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

Total Number of Power Plants	7
Total Reported Releases	
Air	37,382,883
Land	10,000
Water	30

Total Lake Acres/River Miles under Mercury Fish Advisory	69,377 / 10
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Total Ozone Non-Attainment Areas	0
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Exposure Within 30 Mile Radius

Total Population	139,086
Total Number of Children	38,701
Total Number of Children in Poverty	5,000
Total Number of Children With Asthma	1,943

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

North Dakota

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
		Air Releases	NOx	SO2	CO2	PM2.5	PM10	VOCs	Acid Gases	Mercury (lbs)	Arsenic	Chromium	Nickel			
Antelope Valley	Mercer	8,634,721	14,262	13,047	8,606,829	160	335	192	56	221	2,329	0 (60)	0 (50)	0 (18)	0	
Coal Creek	Mclean	10,801,159	10,667	27,149	10,761,129	1,237	1,724	231	259	543	2,925	39 (21)	22 (11.6)	20 (10)	0	
Coyote	Mercer	3,714,938	12,742	14,521	3,687,457	11	65	80	74	235	818	12 (0.1)	0 (0)	- (-)	0	
Heskett	Morton	535,984	721	1,778	533,022	293	441	10	11	51	137	0 (0)	0 (0)	- (-)	0	
Leland Olds	Mercer	5,454,233	11,816	45,451	5,396,335	190	447	119	64	340	1,528	3 (16)	15 (11.8)	4 (4)	0	
Milton R Young	Oliver	6,779,805	25,730	39,229	6,714,124	101	477	154	92	540	1,844	15 (15)	13 (22.4)	10 (7)	0	
Stanton Station	Mercer	1,462,042	1,647	8,633	1,451,571	79	116	34	41	63	419	0 (0)	0 (0)	- (-)	30	
Total		37,382,883	77,585	149,808	37,150,467	2,070	3,605	820	598	1,993	10,000	70 (112)	49 (96)	34 (38)	30	

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.

North Dakota 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
Heskett	ND	Morton	98,910	26,459	3,422	1,374
Leland Olds	ND	Mercer	38,677	11,927	1,433	570
Milton R Young	ND	Oliver	108,122	29,613	3,581	1,525
Stanton Station	ND	Mercer	47,935	14,264	1,711	697
Coal Creek	ND	Mclean	41,361	12,330	1,473	593
Antelope Valley	ND	Mercer	26,317	8,468	1,002	394
Coyote	ND	Mercer	24,791	7,996	937	372