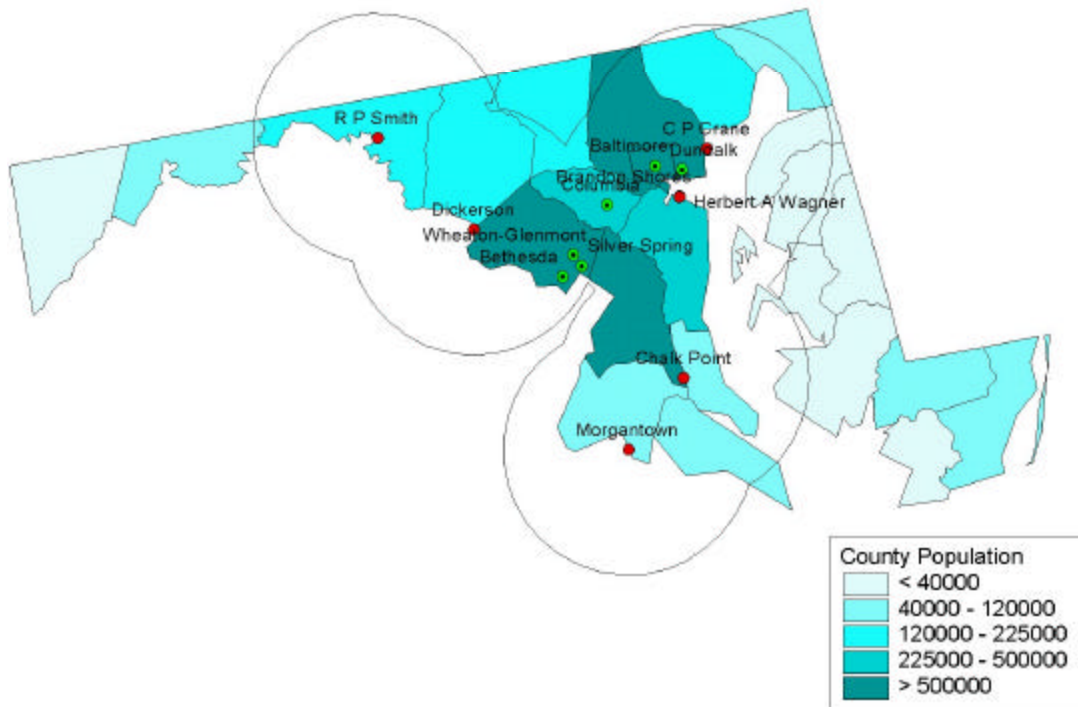


Maryland State Profile of Exposure to Coal-Fired Power Plants



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	32,503,474
Land	336
Water	68
Total Lake Acres/River Miles under Mercury Fish Advisory	0 / 0
Total Ozone Non-Attainment Areas	14
Exposure Within 30 Mile Radius	
Total Population	4,928,421
Total Number of Children	1,124,288
Total Number of Children in Poverty	164,782
Total Number of Children With Asthma	66,360

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Maryland

Air Releases (tons except where noted)

Land Waste in Tons (on site (off site))

Plant Name	County	Air Releases (tons except where noted)									Land Waste in Tons (on site (off site))				
		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
Brandon Shores	Anne Arundel	9,719,727	19,683	49,700	9,643,561	417	919	101	5,763	495	6	0 (0.1)	0.1 (0.2)	0 (1)	3
C P Crane	Baltimore	2,491,152	11,950	30,677	2,447,539	3	5	43	938	121	0	0 (0)	0 (0)	0 (0)	0
Chalk Point	Prince Georges	5,320,477	12,977	35,489	5,270,061	258	448	135	1,367	253	46	0 (0)	0 (0)	0 (6)	16
Dickerson	Montgomery	2,999,634	7,119	29,214	2,962,100	107	236	29	936	207	120	8 (20)	3 (9)	-	46
Herbert A Wagner	Anne Arundel	3,689,643	7,655	23,602	3,653,743	169	296	64	4,284	112	6	0 (0.1)	0.1 (0.2)	0 (1)	3
Morgantown	Charles	7,652,292	18,989	75,618	7,554,401	294	649	80	2,556	392	158	6 (20)	4 (13.5)	3 (8)	0
R P Smith	Washington	630,549	1,388	4,499	624,407	45	97	10	148	55	0	0 (0)	0 (0)	0	0
Total		32,503,474	79,761	248,799	32,155,812	1,294	2,650	461	15,991	1,635	336	0 (0)	0 (0)	3 (16)	68

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.

Maryland 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
Brandon Shores	MD	Anne Arundel	3,296,960	756,401	119,981	43,509
C P Crane	MD	Baltimore	2,478,621	574,693	100,811	32,743
Herbert A Wagner	MD	Anne Arundel	3,313,552	760,264	120,413	43,752
R P Smith	MD	Washington	299,690	65,039	7,833	4,131
Chalk Point	MD	Prince Georges	947,205	220,395	26,242	13,513
Dickerson	MD	Montgomery	1,208,598	262,495	23,367	16,268
Morgantown	MD	Charles	386,239	93,139	11,236	5,944