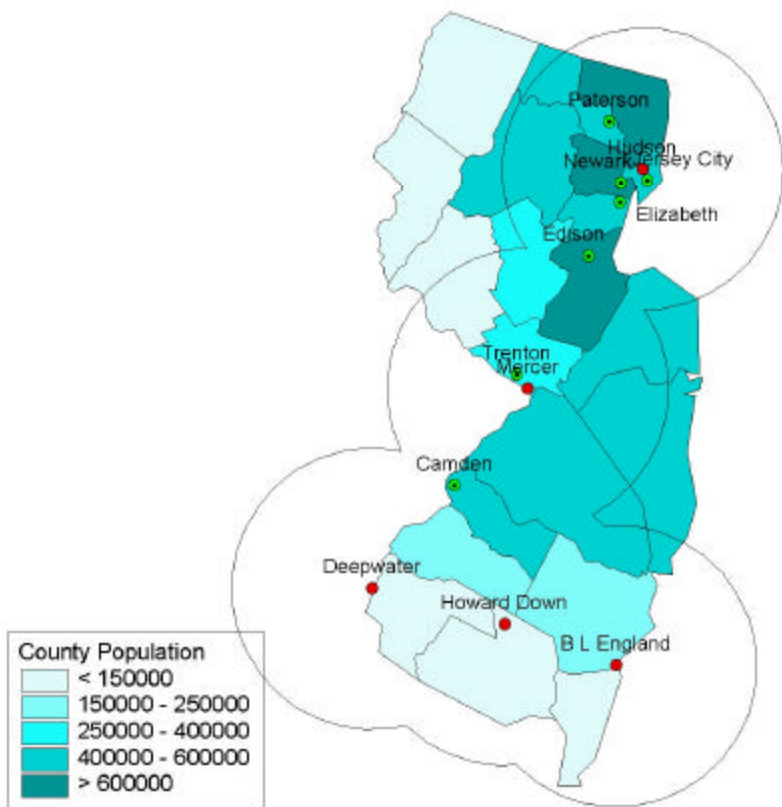


## New Jersey State Profile of Exposure to Coal-Fired Power Plants



### Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

### State Profile

Total Number of Power Plants	5
Total Reported Releases	
Air	9,815,066
Land	252
Water	18
Total Lake Acres/River Miles under Mercury Fish Advisory	24,000 / 6,450
Total Ozone Non-Attainment Areas	21

### Exposure Within 30 Mile Radius

Total Population	7,544,012
Total Number of Children	1,696,787
Total Number of Children in Poverty	244,225
Total Number of Children With Asthma	99,488

# Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

## New Jersey

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
B L England	Cape May	1,920,202	5,164	15,507	1,899,031	42	67	44	388	159	65	0 (2)	0 (0.2)	0 (0.3)	14
Deepwater	Salem	572,852	1,087	3,190	568,291	17	32	12	240	25	17	0 (0)	0 (0)	- (-)	0
Hudson	Hudson	3,890,600	9,193	23,234	3,855,072	162	350	382	2,368	162	163	7 (0)	11 (4)	11 (3)	3
Mercer	Mercer	3,431,412	13,064	16,811	3,399,438	77	134	48	1,916	192		0 (0)	0 (0)	0 (0)	1
<b>Total</b>		<b>9,815,066</b>	<b>28,508</b>	<b>58,742</b>	<b>9,721,832</b>	<b>298</b>	<b>584</b>	<b>487</b>	<b>4,913</b>	<b>539</b>	<b>245</b>	<b>7 (2)</b>	<b>11 (4)</b>	<b>11 (3)</b>	<b>18</b>

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.

## New Jersey 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 L England	NJ	Cape May	537,351	124,074	22,392	7,336
Deepwater	NJ	Salem	804,708	207,624	35,888	11,977
Hudson	NJ	Hudson	4,560,212	998,339	152,933	58,095
Mercer	NJ	Mercer	2,325,126	525,480	62,090	31,274