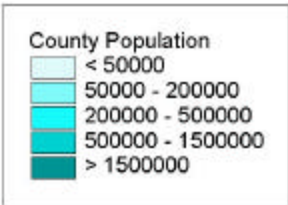
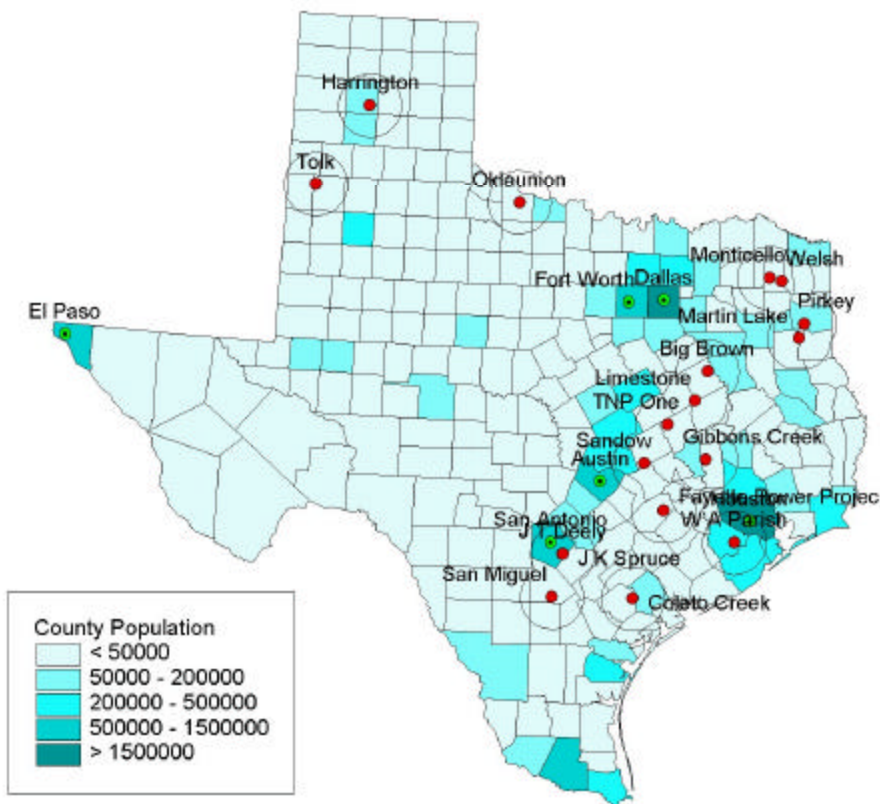


# Texas State Profile of Exposure to Coal-Fired Power Plants



## Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

## State Profile

Total Number of Power Plants	19
Total Reported Releases	
Air	163,298,619
Land	16,996
Water	20
Total Lake Acres/River Miles under Mercury Fish Advisory	10,028 / 0
Total Ozone Non-Attainment Areas	16

## Exposure Within 30 Mile Radius

Total Population	5,981,895
Total Number of Children	1,509,580
Total Number of Children in Poverty	453,088
Total Number of Children With Asthma	92,386

# Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

## Texas

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
Big Brown	Freestone	10,942,600	19,171	85,991	10,834,508	1,850	2,604	246	80	633	1,109	9 (0)	29 (0)	19 (0)	0
Coleto Creek	Goliad	4,812,575	5,590	14,721	4,791,472	214	313	73	406	197	608	0 (0)	0 (0)	- (-)	0
Fayette Power Project	Fayette	12,566,573	19,836	30,629	12,514,444	542	835	207	622	561	220	0 (0)	7 (0)	- (-)	0
Gibbons Creek	Grimes	3,434,291	4,774	11,639	3,417,398	182	286	64	130	175	126	0 (0)	0 (0)	- (-)	0
Harrington	Potter	9,286,522	12,409	25,482	9,248,017	168	293	135	186	271	1,045	0 (0)	3 (9)	2 (8)	0
J K Spruce	Bexar	4,544,651	4,103	3,642	4,536,490	42	98	70	249	169	451	0 (0)	2 (7)	1 (10)	3
JT Deely	Bexar	6,372,744	7,889	19,605	6,344,393	324	489	106	262	406	451	0 (0)	2 (7)	1 (10)	3
Limestone	Limestone	13,138,131	20,636	32,071	13,081,433	2,501	3,523	318	149	918	2,591	24 (0)	80 (0)	55 (0)	0
Martin Lake	Rusk	20,115,805	27,220	58,058	20,026,129	2,712	3,783	479	136	1,236	2,485	20 (0)	65 (0)	43 (0)	0
Monticello	Titus	15,074,177	20,325	88,345	14,960,318	2,968	4,161	385	642	1,352	1,907	20 (0)	58 (0)	39 (0)	0
Oklaunion	Wilbarger	5,030,526	7,344	5,602	5,017,002	179	261	72	245	88	214	0 (0)	6 (0)	- (-)	0
Pirkey	Harrison	5,340,679	9,004	18,828	5,311,704	669	965	128	49	842	836	17 (0)	38 (0)	34 (0)	6
San Miguel	Atascosa	3,890,390	7,082	12,223	3,869,295	1,191	1,663	122	6	112	1,895	0 (28)	0 (60.5)	- (-)	0
Sandow	Milam	4,311,358	6,794	19,546	4,283,849	747	1,041	102	26	171	748	0 (0)	20 (0)	13 (0)	0
TNP One	Robertson	2,716,569	2,534	5,045	2,708,874	26	44	40	31	24	167	0 (0)	0 (0)	- (-)	0
Tolk	Lamb	8,963,357	13,297	28,201	8,921,389	78	179	148	143	406	692	0 (0)	0.4 (8)	- (-)	0
W A Parish	Fort Bend	19,574,027	23,301	54,542	19,495,231	158	356	358	238	1,149	616	3 (0)	9 (0)	7 (0)	3
Welsh	Titus	13,183,645	20,963	39,466	13,121,748	448	652	199	616	531	835	0 (0)	6 (0)	3 (0)	5
<b>Total</b>		<b>163,298,619</b>	<b>232,272</b>	<b>553,636</b>	<b>162,483,694</b>	<b>14,999</b>	<b>21,547</b>	<b>3,251</b>	<b>4,220</b>	<b>9,242</b>	<b>16,996</b>	<b>92 (28)</b>	<b>324 (91)</b>	<b>215 (8)</b>	<b>20</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.

## Texas 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
Oklaunion	TX	Wilbarger	42,845	11,449	2,877	598
Limestone	TX	Limestone	100,687	24,224	7,184	1,350
W A Parish	TX	Fort Bend	2,681,898	677,812	201,248	42,414
Big Brown	TX	Freestone	165,600	37,864	10,692	2,178
Gibbons Creek	TX	Grimes	246,171	50,652	14,136	3,199
Welsh	TX	Titus	162,390	40,684	11,706	2,318
Martin Lake	TX	Rusk	291,439	75,623	20,605	4,237
Monticello	TX	Titus	177,768	44,063	12,650	2,517
Coletto Creek	TX	Goliad	152,243	41,179	12,292	2,328
Fayette Power Project/Sam Seymour	TX	Fayette	130,435	31,097	7,450	1,869
J T Deely	TX	Bexar	1,549,274	395,965	131,484	24,685
San Miguel	TX	Atascosa	86,513	23,955	9,256	1,460
Harrington	TX	Potter	246,560	64,497	14,981	3,738
Tolk	TX	Lamb	58,900	19,141	6,320	1,009
Sadow	TX	Milam	149,609	35,555	9,209	2,369
TNP One	TX	Robertson	106,695	26,398	8,472	1,507
J K Spruce	TX	Bexar	1,549,274	395,965	131,484	24,685
Pirkey	TX	Harrison	293,647	76,269	21,160	4,278