

**TABLE 4.5-32**  
**PITTSBURG POWER PLANT CONCENTRATION ESTIMATES<sup>a</sup>**

Pollutant	Averaging Period	Concentrations in Micrograms per Cubic Meter ( $\mu\text{g}/\text{m}^3$ )							
		State Standard	National Standard	Delta Region Background	Power Plant Effect/Total Concentration <sup>b</sup>			Difference between 1999 Analytical Maximum and Baseline	Difference between 2005 Cumulative Analytical Maximum and Baseline
					1999 Baseline	1999 Analytical Maximum	2005 Cumulative Analytical Maximum <sup>d</sup>		
Carbon Monoxide	1 hour	23,000	40,000	6,517	551.6/7,068	551.6/7,068	288.2/6,805	0	-263
	8 hours	10,000	10,000	3,297	432.2/3,729	432.2/3,729	226/3,523	0	-206
Nitrogen Dioxide	1 hour <sup>c</sup>	470	NA	132	350.8/ <b>483</b>	350.8/ <b>483</b>	262/394	0	-89
	annual	NA	100	31	20.0/51	46.1/77	9.3/40.3	26.1	-10.7
Sulfur Dioxide	1 hour	655	NA	87	3.9/90.9	3.9/90.9	2.1/89.1	0	-1.8
	24 hours	105	365	24	1.6/25.6	1.6/25.6	0.8/24.8	0	-0.8
	annual	NA	80	3	0.14/3.1	0.3/3.3	0.13/3.1	0	-0.1
Particulate Matter (PM-10)	24 hours	50	150	<b>60</b>	12.3/ <b>72.3</b>	15.9/ <b>75.9</b>	7.4/ <b>67.4</b>	3.6	-4.9
	annual	30	50	22	1.1/23.1	2.2/24.2	1.0/23	1.1	-0.1
Particulate Matter (PM-2.5)	24 hours	NA	65	ND	12.3/12.3	15.9/15.9	7.4/7.4	3.6	-4.9
	annual	NA	15	ND	1.1/1.1	2.2/2.2	1.0/1.0	1	-0.1

<sup>a</sup> The maximum receptor is approximately 0.3 miles east of the plant. Background concentrations (except for annual averages) represent the average of the 2nd highest values recorded each year from 1994 to 1996 at the Bethel Island monitoring station.

<sup>b</sup> In these columns, the number on the left shows the contributions of the power plants; the number on the right is the total contribution, including the Delta Region background.

<sup>c</sup> Maximum NO<sub>2</sub> concentrations from the power plant were calculated using the Ozone Limiting Method (Cole and Summerhays, 1979) based on a worst-case background ozone concentration of 133 micrograms per cubic meter.

<sup>d</sup> The 2005 Cumulative Analytical Maximum assumes new owners will have to comply with a modified BAAQMD Regulation 9, Rule 11 emission rate schedule similar to the existing schedule.

NA: Not applicable

ND: Not determined; PM-2.5 ambient monitoring has only recently begun in the Bay Area.

Values shown in bold type exceed a corresponding ambient air quality standard.