

**TABLE 4.5-29
POTRERO POWER PLANT CONCENTRATION ESTIMATES^a**

Pollutant	Averaging Period	Concentrations in Micrograms per Cubic Meter ($\mu\text{g}/\text{m}^3$)							
		State Standard	National Standard	San Francisco Background	Power Plant Effect/Total Concentration ^b			Difference between 1999 Analytical Maximum and Baseline	Difference between 2005 Cumulative Analytical Maximum and Baseline
					1999 Baseline	1999 Analytical Maximum	2005 Cumulative Analytical Maximum ^d		
Carbon Monoxide	1 hour	23,000	40,000	6,133	157.9/6,291	157.9/6,291	157.9/6,291	0	0
	8 hours	10,000	10,000	4,217	56.1/4,273	56.1/4,273	56.1/4,273	0	0
Nitrogen Dioxide	1 hour ^c annual	470	NA	157	173.4/330.4	173.4/330	153.8/311	0	-18.6
		NA	100	42	0.6/42.6	1/43	0.3/42	0.4	-0.3
Sulfur Dioxide	1 hour	655	NA	70	142.2/212.2	142.2/212	142.2/212	0	0
	24 hours	105	365	18	34.1/52.1	34.1/52	34.1/52	0	0
	annual	NA	80	<0.1	0.05/<0.1	0.06/<0.1	0.2/<0.15	0.01	0.15
Particulate Matter (PM-10)	24 hours annual	50	150	57	1.2/ 58.2	1.7/ 58.7	2.0/ 59	0.5	0.8
		30	50	26	0.06/26.06	0.09/26	0.08/26	0.03	0.02
Particulate Matter (PM-2.5)	24 hours annual	NA	65	ND	1.2/1.2	1.7/1.7	2.0/2	0.5	0.8
		NA	15	ND	0.06/ND	0.09/ND	0.08/ND	0.03	0.02

^a Maximum concentration occurs approximately 0.6 miles west 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 Arkansas Street monitoring station in San Francisco.

^b 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 San Francisco background.

^c Maximum NO₂ 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.

^d 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.