

**TABLE 4.5-12**  
**BETHEL ISLAND CRITERIA AIR POLLUTANT CONCENTRATIONS, 1993-1997**

Pollutant	State Standard <sup>c</sup>	Monitoring Data by Year <sup>a</sup>				
		1993	1994	1995	1996	1997
<u>Ozone:</u>						
Highest 1-hr. average, ppm <sup>b</sup>	0.09	<b>0.11</b>	<b>0.11</b>	<b>0.13</b>	<b>0.14</b>	<b>0.10</b>
Number of exceedences <sup>d</sup>		3	3	6	6	1
<u>Carbon Monoxide:</u>						
Highest 1-hr. average, ppm	20	3	2	3	3	ND
Number of exceedences		0	0	0	0	
Highest 8-hr. average, ppm	9.0	2.0	1.9	1.9	1.5	1.5
Number of exceedences		0	0	0	0	0
<u>Nitrogen Dioxide:</u>						
Highest 1-hr. average, ppm	0.25	0.07	0.07	0.06	0.06	0.05
Number of exceedences		0	0	0	0	0
<u>Sulfur Dioxide:</u>						
Highest 1-hr. average, ppm	0.25	0.02	0.02	0.02	0.01	ND
Number of exceedences		0	0	0	0	
<u>Particulate Matter (PM-10):</u>						
Highest 24-hr. average, $\mu\text{g}/\text{m}^3$ <sup>b</sup>	50	<b>71</b>	<b>65</b>	<b>73</b>	<b>76</b>	<b>77</b>
Exceedences/Samples <sup>e</sup>		6/61	3/60	3/61	1/61	2/61
Annual Geometric Mean, $\mu\text{g}/\text{m}^3$	30	19.4	19.6	19.4	18.8	19.6
<u>Lead (Pb):</u>						
Highest monthly average, $\mu\text{g}/\text{m}^3$ <sup>b</sup>	1.5	0.01	0.01	ND	ND	ND
Number of Exceedences <sup>e</sup>		0	0			

<sup>a</sup> Data for all pollutants are from the air quality monitoring station on Bethel Island Road, which is located approximately 7 miles east of the Contra Costa Power Plant.

<sup>b</sup> ppm = parts per million;  $\mu\text{g}/\text{m}^3$  = micrograms per cubic meter.

<sup>c</sup> State standard, not to be exceeded.

<sup>d</sup> Except for ozone, "number of exceedences" refers to the number of measured violations in a given year of the applicable standard. For ozone, "number of exceedences" refers to the number of days in a given year during which at least one hour exceeded the standard.

<sup>e</sup> PM-10 and Pb are usually measured every sixth day (rather than continuously like the other pollutants). For PM-10, "exceedences/samples" indicates the number of exceedences of the state standard that occurred in a given year and the total number of samples that were taken that year.

NOTE: ND = No data available. Values shown in **bold** type exceed the applicable standard.

SOURCE: California Air Resources Board, *California Air Quality Data*, 1993, 1994, 1995, 1996; Bay Area Air Quality Management District, *Contaminant & Weather Summary*, January through December 1997.