

TABLE 4.5.15
MAXIMUM ANNUAL-AVERAGE CRITERIA AIR POLLUTANT CONCENTRATIONS IN VICINITY OF ENCINA AND SOUTH BAY POWER PLANTS,
1999 AND 2005

Pollutant	State Standard	National Standard	Ambient Background ^a	Annual Average Concentration in micrograms per cubic meter				
				Power Plant Concentration Increment			Year 2005 Cumulative	
				1999 Baseline	1999 A-Max	1999 A-Max with Mitigation	A-Max with South Bay (Variant 1)	A-Max with No South Bay (Variant 2)
Encina Power Plant:								
Nitrogen Dioxide	NA	100	38	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Sulfur Dioxide	NA	80	3	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
PM-10	30	50	27.0	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
PM-2.5	NA	15	ND	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
South Bay Power Plant:								
Nitrogen Dioxide	NA	100	38	0.80	3.36	1.16	0.29	0.0
Sulfur Dioxide	NA	80	3	0.03	1.1	0.06	0.27	0.0
PM-10	30	50	29.2	0.07	0.38	0.11	0.16	0.0
PM-2.5	NA	15	ND	0.07	0.38	0.11	0.16	0.0

^a Ambient background concentrations represent the highest annual average concentrations (adjusted to micrograms per cubic meter) measured at the monitoring stations closest to the Encina and South Bay Power Plants over the past three years (see Tables 4.5.4 and 4.5.7).

NA = Not Applicable; ND = No Data.

SOURCE: Environmental Science Associates