

TABLE 4.5.14
SAN DIEGO AIR BASIN POWER PLANT EMISSIONS SUMMARY, 1999 AND 2005

Pollutant	Estimated Emissions in Tons Per Year ^a									
	Existing ^b	Year 1999			Difference between A-Max and 1999 Baseline	Difference between A-Max with Mitigation & 1999 Baseline	Year 2005 Cumulative ^c		Difference between 2005 A-Max with South Bay and 1999 Baseline (Variant 1)	Difference between 2005 A-Max without South Bay and 1999 Baseline (Variant 2)
		Baseline	Analytical Maximum	A-Max with Mitigation			A-Max with South Bay (Variant 1)	A-Max with No South Bay (Variant 2)		
Carbon Monoxide	1,738	1,206	3,666	2,044	2,461	838	2,377	2,224	1,171	1,018
Reactive Organic Gases	181	125	385	211	261	87	249	369	124	245
Nitrogen Oxides	2,617	1,091	5,364	2,087	4,273	996	611	987	-480	-105
Sulfur Oxides	328	36	1,529	149	1,492	112	500	124	464	88
Particulate (PM-10)	182	112	445	196	333	84	256	387	144	275

^a With the exception of the existing case and the 1999 A-Max case with mitigation, all other emissions estimates are based on fuel consumption estimates developed by Sierra Energy and Risk Assessment, Inc. for this report. NOx emissions estimates reflect source test data and the other criteria pollutant emissions estimates reflect the most recent emissions factors published by U.S. EPA (U.S. Environmental Protection Agency, 1998).

^b Existing emissions reflect an average of emissions over the 1994 to 1996

^c The Year 2005 cumulative case (with no South Bay power plant) includes emissions from operation of a new power plant at Otay Mesa, which is assumed to include a 960-MW combined cycle unit and a 100-MW combustion turbine.

SOURCE: Environmental Science Associates