

**TABLE 4.5-28
NORTHERN SONOMA COUNTY GEYSERS POWER PLANTS
CRITERIA AIR POLLUTANT EMISSIONS, 1999 AND 2005**

Pollutant	Estimated Emissions in Tons Per Year ^a			
	Existing ^b	1999 Baseline	1999 Analytical Maximum	2005 Cumulative Analytical Maximum
Carbon Monoxide	1	1	1	1
Reactive Organic Gases	25	24	30	30
Nitrogen Oxides	3	3	4	4
Hydrogen Sulfides	516	488	685	696
Particulate Matter (PM-10)	600	571	778	786

^a Baseline and analytical maximum emissions estimates were developed using generation rates developed by Sierra Energy and Risk Assessment, Inc. for this report, and emissions factors for carbon monoxide, ROG, NOx, and PM-10 derived from the Title V applications (to the Northern Sonoma County APCD) for Units 5, 6, 7, 8, 9, 10, 11, 12, 14, 17, 18, and 20, and emissions factors for hydrogen sulfide from the California Energy Commission's Electricity Report 94.

^b Existing emissions reflect an average of emissions over the 1995 to 1997 period. The emissions estimates were made based on electricity generated during the 1995 to 1997 period, and on emissions factors for carbon monoxide, ROG, NOx, and PM-10 derived from the Title V applications (to the Northern Sonoma County APCD) for Units 5, 6, 7, 8, 9, 10, 11, 12, 14, 17, 18, and 20, and emissions factors for hydrogen sulfide from the California Energy Commission's Electricity Report 94.