

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

<b>Pollutant</b>	<b>Estimated Emissions in Tons Per Year<sup>a</sup></b>			
	<b>Existing<sup>b</sup></b>	<b>1999 Baseline</b>	<b>1999 Analytical Maximum</b>	<b>2005 Cumulative Analytical Maximum</b>
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

<sup>a</sup> 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 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.

<sup>b</sup> 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 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.