

**Source Category**

Source:	<b>IC Engine – Spark Ignition, Natural Gas Fired Lean Burn Engine</b>	Revision:	<b>1</b>
		Document #:	<b>96.3.3</b>
Class:	<b>&gt;= 50 HP</b>	Date:	<b>5/7/03</b>

**Determination**

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. <i>n/d</i> 2. <i>0.15 g/bhp-hr<sup>b</sup></i> <i>(32 ppmvd @ 15% oxygen)</i>	1. <i>n/d</i> 2. <i>oxidation catalyst<sup>b</sup></i>
NO <sub>x</sub>	1. <i>0.07 g/bhp-hr<sup>a</sup></i> <i>(6 ppmvd @ 15% oxygen)</i> 2. <i>0.15 g/bhp-hr<sup>b</sup></i> <i>(12 ppmvd @ 15% oxygen)</i>	1. <i>SCR<sup>a</sup></i> 2. <i>SCR<sup>b</sup></i>
SO <sub>2</sub>	1. <i>n/d</i> 2. <i>n/s</i>	1. <i>n/d</i> 2. <i>natural gas<sup>b</sup></i>
CO	1. <i>0.10 g/bhp-hr<sup>a</sup></i> <i>(12 ppmvd @ 15% oxygen)</i> 2. <i>0.60 g/bhp-hr<sup>b</sup></i> <i>(74 ppmvd @ 15% oxygen)</i>	1. <i>oxidation catalyst<sup>a</sup></i> 2. <i>oxidation catalyst<sup>b</sup></i>
PM <sub>10</sub>	1. <i>n/d</i> 2. <i>n/s</i>	1. <i>n/d</i> 2. <i>natural gas<sup>b</sup></i>
NPOC	1. <i>n/a</i> 2. <i>n/a</i>	1. <i>n/a</i> 2. <i>n/a</i>

**References**

<p><i>a. Tehama County Air Pollution Control District: NEO California Power, LLC – Red Bluff, California (ammonia slip limited to 10 ppmvd @ 15% oxygen)</i></p> <p><i>b. CARB “Guidance for the Permitting of Electrical Generation Technologies”, September 2001</i></p>
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