

Appendix D

Summary of District Rules that Apply to Portable Engines

District Regulations Affecting Portable Engines

District	Emission Rates	Day/Annual Caps
Antelope Valley	<p>1) Engines >50HP but <117 HP shall not exceed NOx emissions of 10.5 g/hp-hr or be installed with a turbocharger and timing retarded by a min. of 4 degrees from the manufacturer's standard timing; 2) engines >117 HP but <400 HP shall not exceed NOx emissions of 10 g/hp-hr or be installed with a turbocharger and timing retarded by a min. of 4 degrees from the manufacturer's standard timing; 3) engines \geq 400 HP shall not exceed NOx emissions of 7 g/hp-hr or be installed with a turbocharger with aftercooler and timing retarded by a minimum of 4 degrees from the manufacturer's standard timing; and 4) emission from sulfur shall not exceed 0.05 percent by weight; 5) emission from PM shall not exceed 0.10 grain per standard dry cubic feet. [Rule 2100]</p>	<p>1) NOx or VOC emissions shall not exceed 100 pounds per day for each pollutant, excluding emissions from offroad engines; 2) total PM10 emissions shall not exceed 150 pounds per day, excluding emissions from offroad engines; and 3) emissions shall not exceed 10 tons per year of any affected pollutant when operated in any participating district. [Rule 2100]</p>
BAAQMD	<p>1) Engines > 100 bhp and < 117 bhp shall not exceed 770 ppm of NOx; 2) engines > 117 bhp and < 400 bhp shall not exceed 550 ppm of NOx; and 3) engines \geq 400 bhp shall not exceed 535 ppm of NOx. [Rule 1110.2]</p>	Equipment shall not emit no more than 10 tons/yr of each pollutant, including POC, CO, NOx, PM10, NPOC or SO2. [Rule 2-1-220]
Mojave Desert	For diesel-cycle engines rated at 500 HP or more and operate more than 100 hours each calendar year, NOx emissions shall not exceed 700 ppmv and CO emission standards shall not exceed 4500 ppmv. [Rule 1160]	Not Applicable

District	Emission Rates	Day/Annual Caps
Northern Sierra	1) NOx emissions from naturally aspirated engines shall not exceed 10 g/bhp-hr; 2) NOx emissions from turbocharged engines shall not exceed 7.2 g/bhp-hr; 3) emission from sulfur shall not exceed 0.05 percent by weight; and 4) emission from PM shall not exceed 0.10 grain per standard dry cubic feet. [Rule 523]	1) Except for emissions from existing emissions units, NOx or VOC emissions shall not exceed 100 lbs./day for each pollutant; 2) except for emissions from existing emissions units, total PM10 emissions shall not exceed 150 lbs./ day; and 3) emissions shall not exceed 10 tons per year of any affected pollutant when operated in any participating district. [Rule 523]
San Diego	1) NOx emissions from naturally aspirated engines shall not exceed 10 g/bhp-hr; 2) NOx emissions from turbocharged engines shall not exceed 7.2 g/bhp-hr; 3) emission from sulfur shall not exceed 0.05 percent by weight; and 4) emission from PM shall not exceed 0.10 grain per standard dry cubic feet. [Rule 12.1 & 20.4]	1) Except for emissions from existing emissions units, NOx or VOC emissions shall not exceed 100 lbs./ day for each pollutant; 2) except for emissions from existing emissions units, total PM10 emissions shall not exceed 150 lbs./ day; and 3) emissions shall not exceed 10 tons per year of any affected pollutant when operated in any participating district. [Rule 12.1]
San Joaquin Valley Unified	1) NOx emissions from naturally aspirated engines shall not exceed 10 g/bhp-hr; 2) NOx emissions from turbocharged engines shall not exceed 7.2 g/bhp-hr; 3) emission from sulfur shall not exceed 0.05 percent by weight; 4) emission from PM shall not exceed 0.10 grain per standard dry cubic feet. [Rule 2280]	1) Except for emissions from existing emissions units, NOx or VOC emissions shall not exceed 100 lbs./ day for each pollutant; 2) except for emissions from existing emissions units, total PM10 emissions shall not exceed 150 lbs./ day; and 3) emissions shall not exceed 10 tons per year of any affected pollutant when operated in any Participating District. [Rule 2280]

District	Emission Rates	Day/Annual Caps
San Luis Obispo	<p>1) NOx emissions from naturally aspirated engines shall not exceed 10 g/bhp-hr; 2) NOx emissions from turbocharged engines shall not exceed 7.2 g/bhp-hr; 3) emission from sulfur shall not exceed 0.05 percent by weight; and 4) emission from PM shall not exceed 0.10 grain per standard dry cubic feet. [Rule 220]</p>	<p>1) NOx or VOC emissions shall not exceed 100 lbs/ day for each pollutant; 2) total PM10 emissions shall not exceed 150 lbs/ day; and 3) emissions shall not exceed 10 tons per year of any affected pollutant when operated in any Participating District. [Rule 220]</p>
SCAQMD	<p>By January 1, 1999, the following apply: 1) Engines >50HP but <117 HP shall not exceed NOx emissions of 10 g/hp-hr or be installed with a turbocharger and timing retarded by a min. of 4 degrees from the manufacturer's standard timing; 2) engines >117 HP but <400 HP shall not exceed NOx emissions of 7.2 g/hp-hr or be installed with a turbocharger and timing retarded by a min. of 4 degrees from the manufacturer's standard timing; and 3) Engines > 400 HP shall not exceed NOx emissions of 7 g/hp-hr or be installed with a turbocharger with aftercooler and timing retarded by a minimum of 4 degrees from the manufacturer's standard timing. By January 1, 2010, portable engines must meet the most stringent emissions standard which is the applicable emissions standard in effect and set forth in Title 13 of the California Code of Regulations for that engine rating. [Rule 1110-2]</p>	Not Applicable
Ventura	All drilling operations shall be powered by grid power unless exempted by Section C of this rule. [Rule 74.16]	Not Applicable
Yolo-Solano	1) NOx emissions from naturally aspirated engines shall not exceed 10 g/bhp-hr; 2) NOx emissions from turbocharged engines shall not exceed 7.2 g/bhp-hr; 3) emission from sulfur shall not exceed 0.05 percent by weight; and 4) emission from PM shall not exceed 0.10 grain per standard dry cubic feet. [Rule 3.3]	<p>1) NOx or VOC emissions shall not exceed 100 lbs/ day for each pollutant; 2) total PM10 emissions shall not exceed 150 lbs/ day; and 3) emissions shall not exceed 10 tons per year of any affected pollutant when operated in any participating district. [Rule 3.3]</p>