



SAN LUIS OBISPO COUNTY AIR POLLUTION CONTROL DISTRICT

3433 Roberto Court, San Luis Obispo, CA 93401 - (805) 781-5912 - FAX: (805) 781-1002

INTERNAL COMBUSTION ENGINE PROCESS

Organization name: _____

No. of units included in this application: _____ (use a separate form for units which are not identical)

Manufacturer: _____ Model: _____ Serial No. _____ (if pre-existing)

EQUIPMENT TYPE:

Enclose a copy of the manufacturer's specification sheet.

- stationary rich-burn* lean-burn* engine size: _____ hp @ _____ rpm
- portable dual-fuel diesel generator mfg.: _____ and rating: _____ kW
- skid mount 2-cycle 4-cycle year of mfg.: _____ installed: _____ (if pre-existing)
- other: _____ turbine reciprocating fuel use rate: _____ gal/hr (liq.) or cfh (gas)

* <4%O₂ in exhaust prior to control is "rich-burn" and 4%O₂ or greater is "lean-burn"

PROCESS OR CONTROL EQUIPMENT: (Include any test results.)

- non-selective catalyist turbocharger aftercooler electronic fuel injection
- air/fuel control fuel injection non-resettable run-hour meter
- oxidative catalyist particulate trap oxidative particulate trap
- other : _____ Catalyst/trap Mfg: _____ Model: _____

Reduction efficiency of air pollution control device(s): _____ % of _____ (give pollutant)

- PRIMARY USE:** backup generator: maint. operation: _____ min/day, _____ min/mo; testing: _____ hr/yr
- pump compressor cogeneration other: _____
- prime use electrical generation (includes load shedding under an interruptable electric service contract)

TYPE OF FUEL:

	HEAT CONTENT	SULFUR	ANNUAL FUEL USE	OPERATING HRS
<input type="checkbox"/> natural gas	_____ Btu/cf	n/a	_____ therms	_____ hr/yr
<input type="checkbox"/> highway diesel	_____ Btu/gal	_____ wt %	_____ mgal	_____ hr/yr
<input type="checkbox"/> propane	_____ Btu/cf	n/a	_____ mgal	_____ hr/yr
<input type="checkbox"/> gasoline	_____ Btu/gal	n/a	_____ mgal	_____ hr/yr
<input type="checkbox"/> other: _____	_____ Btu/_____	_____	_____	_____ hr/yr

EXHAUST STACK:

full load exhaust flow : _____ acfm and temperature: _____ EF

standby generator maintenance: _____ % of full load, exhaust flow: _____ acfm, and temperature: _____ EF

stack diameter: _____ inches, stack height above ground: _____ feet

discharge direction: up down horizontal other: _____

ESTIMATED EMISSIONS: Attach emissions calculations and cite reference: _____

NO _x	units*	CO	units*	VOC**	units*	PM-10	units*
	lb/hr		lb/hr		lb/hr		lb/hr

* Provide units in parts per million (ppm) at 15% O₂ or grams per brake horsepower-hour (g/bhph) and pounds per hour (lb/hr)

** ppm VOC must be as methane

(APCD use only)

APPLICATION	
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