SLO COUNTY apcd | Air Pollution Control District
San Luis Obispo County

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: _____ EPA Family Number: _____ Serial No.: _____

EQUIPMENT TYPE: *(enclose a copy of the manufacturer's specification sheet)*

☐ stationary ☐ rich-burn* ☐ lean-burn* engine size: _____ hp @ _____ rpm

☐ portable ☐ dual-fire ☐ 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% O_2, in exhaust prior to control is "rich-burn" and 4% O_2 or greater is "lean burn"

PROCESS OR CONTROL EQUIPMENT: *(include any test results)*

☐ non-selective catalyst ☐ turbocharger ☐ aftercooler ☐ electronic fuel injection

☐ air/fuel control ☐ fuel injection ☐ non-resettable run-hour

☐ oxidative catalyst ☐ 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 interruptible electric service contract)*

TYPE OF FUEL:	HEAT CONTENT	SULFUR	ANNUAL FUEL USE	OPERATING HOURS
☐ natural gas	_____ Btu/cf	_____ n/a	_____ therms	_____ hr/yr
☐ highway diesel	_____ Btu/gal	_____ wt%	_____ mgal	_____ hr/yr
☐ propane	_____ Btu/cf	_____ n/a	_____ mgal	_____ hr/yr
☐ gasoline	_____ Btu/gal	_____ n/a	_____ mgal	_____ hr/yr
☐ other: _____	_____ Btu/			_____ hr/yr

EXHAUST STACK:

full load exhaust flow: _____ acfm and temperature: _____ F°

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

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

discharge direction: ☐ up ☐ down ☐ horizontal ☐ other: _____

ESTIMATED EMISSIONS: *(attach emissions calculations and cite reference)* _____

NOx	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 <u>or</u> grams per brake horsepower-hour (g/bhph) <u>and</u> pounds per hour (lb/hr)
**ppm VOC must be as methane

(APCD use only)

Application No.	