



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-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% 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 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 or grams per brake horsepower-hour (g/bhph) and pounds per hour (lb/hr)

**ppm VOC must be as methane

(APCD use only)

Application No.	
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