INSTRUCTIONS FOR ENGINE001

Please make a copy and complete Form Engine001 for each natural gas fired engine with a maximum continuous horsepower rating of 50 or greater.

Information on Engine - The District defines an engine as the machinery that drives a piece of equipment. For example, a Caterpillar engine drives an Ingersoll-Rand air compressor. For this application form, the District's concern is the Caterpillar engine.

Indicate the reason for submitting the application: modification or replacement of an existing unit, or a new or additional unit. If the application is for modification or replacement, specify the affected engine describe the modification (if applicable) in your cover letter.

Please indicate whether the engine is rich burn or lean burn (as defined in APCD Rule 74.9) and provide the Manufacture Identification Number and Model Number that is located on the engine. Further, if you have your own Identification number for your engine, please include that information also.

The rating the District uses to classify the engine is the maximum continuous horsepower rating designated by the engine manufacturer. If you have data from the manufacturer, please provide that information.

Describe the function of the engine. If this engine is intended to be used as a portable unit, you can describe the function as a "Portable (wood chipper, drilling rig, sandblasting, etc…engine)".

Fuel Use Information - You must choose either ***hours of operation*** of the engine or the ***amount of fuel*** (in million standard cubic feet) that you plan to use. **Please Note**: All Permits to Operate issued by the Air Pollution Control District include conditions that limit the operation of each piece of equipment on the permit. The conditions limit the operation of each piece of equipment over each consecutive rolling period of twelve calendar months. The conditions are used to calculate the annual permitted emissions for each piece of equipment. If this limit is set too low, your ability to use the engine will be limited. If this limit is set too high, your annual permit renewal fees, which are based in large part on permitted emissions, may be too high.

Emissions – Check all nitrogen oxide (NO_x) emission controls that are proposed. Indicate manufacturer's guaranteed emission rates for NO_x, carbon monoxide (CO), and non-methane organics, as applicable.

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT
4567 Telephone Rd, Ventura CA 93003 805/ 303-4005 FAX 805/ 456-7797 www.vcapcd.org

NATURAL GAS-FIRED INTERNAL COMBUSTION ENGINES

Complete a separate form for each engine. Attach manufacturer's literature, if available, to this form.

Information on Engine

Reason for Submitting this Form (Check One)	❏ Modification to Existing Unit ❏ Replacement of Existing Unit ❏ New or Additional Unit
Equipment Type (Check One):	❏ Rich Burn ❏ Lean Burn
Manufacturer	
Model	
Manufacturer's Maximum Continuous Horsepower Rating	_____ BHP
Your I.D. For Engine	
Engine Use (i.e., electricity generation, air compressor)	
Is the engine equipped with an hour meter?	❏ Yes ❏ No

Fuel Use Information-Complete One Only

Natural Gas Use (if you prefer annual usage limited by fuel consumption)	Proposed Annual Fuel Use **(This will be a permit limit)** ❏ Million Standard Cubic Feet _____ ❏ _____
Operating Hours (if you prefer annual usage limited by hours of operation)	Proposed Annual Operating Hours **(This will be a permit limit)** _____ Hours Per Year

Emissions

Nitrogen Oxide Emission Control (Check All that Apply)	❏ Non-Selective Catalytic Reduction (NSCR) ❏ Turbocharger ❏ Selective Catalytic Reduction (SCR) with ammonia Injection ❏ Aftercooler ❏ Four Degree Timing Retard ❏ Naturally Aspirated ❏ Other (specify)_____ ❏ None
Guaranteed Emission Rates (If Any) (at 15% oxygen)	Nitrogen Oxides _____ ppm Carbon Monoxide _____ ppm Non-methane organics _____ ppm