



INSTRUCTIONS FOR ENGINE102

Please make a copy and complete Form Engine102 for each diesel or gasoline 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: a new or additional unit, modification or replacement of an existing permitted unit, or an existing unpermitted unit. If the application is for modification or replacement, specify the affected engine and describe the modification (if applicable) in your cover letter.

Please indicate whether the engine is fired on diesel fuel or gasoline and provide the Manufacturer's Identification Number, Model Number, and Serial Number that is located on the engine. Further, if the unit has a 12-character Engine Family Name or 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)".

Indicate whether the engine is located on a two-engine vehicle. Engines other than certain on-road two-engine sweepers may be subject to different regulations than other portable diesel engines. Complete this form only for the non-propulsion engine. The engine that provides propulsion is exempt from permit pursuant to Rule 23.D.1.

Fuel Use Information - You must choose either **hours of operation** of the engine or the **amount of fuel** (in gallons) 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 or EPA certification levels for NO_x, carbon monoxide (CO), non-methane organics, and particulate matter as applicable.



GASOLINE OR DIESEL-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)	<input type="checkbox"/> New or Additional Unit <input type="checkbox"/> Modification to Existing Permitted Unit Specify unit _____ <input type="checkbox"/> Replacement of Existing Permitted Unit Specify unit _____ <input type="checkbox"/> Existing Unpermitted Unit
Fuel Type (Check One):	<input type="checkbox"/> Diesel <input type="checkbox"/> Gasoline
Manufacturer	
Model	
Serial Number	
EPA/ARB 12-character Engine Family Name	
Manufacturer's Maximum Continuous Horsepower Rating	_____ BHP
Your I.D. For Engine	
Engine Use (i.e., electricity generation, air compressor)	
Is this a portable engine located on a two-engine vehicle?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Equipped with a non-resettable hour meter?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Fuel Use Information-Complete One Only

Fuel Use (if you prefer annual usage limited by fuel consumption)	Proposed Annual Fuel Use (This will be a permit limit) <input type="checkbox"/> Gallons Per Year _____ <input type="checkbox"/> _____
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)	<input type="checkbox"/> Non-Selective Catalytic Reduction (NSCR) <input type="checkbox"/> Turbocharger <input type="checkbox"/> Selective Catalytic Reduction (SCR) with Ammonia Injection <input type="checkbox"/> Aftercooler <input type="checkbox"/> Naturally Aspirated <input type="checkbox"/> Other (specify) _____
Guaranteed Emission Rates or Certification Levels (If Any)	Nitrogen Oxides _____ ppm or _____ g/BHP-hr Carbon Monoxide _____ ppm or _____ g/BHP-hr Non-methane organics _____ ppm or _____ g/BHP-hr Particulate matter _____ ppm or _____ g/BHP-hr (ppm at 15% oxygen)