



INSTRUCTIONS FOR ENGINE203

Please make a copy and complete Form Engine003 for each diesel fired backup utility generator engine with a maximum continuous horsepower rating of 50 or greater.

A backup utility generator is an electrical generator used to provide power at a facility during a power interruption. Some facilities have contracts that require power be interrupted as directed by the California Independent System Operator (ISO). This form is to be used only for diesel fired backup utility generator engines at interruptible facilities. If the engine uses another fuel or serves some other function, this form cannot be used.

Information on Engine - Indicate the reason for submitting the application: replacement of an existing unit, a new or additional unit, or a permit for an existing unpermitted engine. If the application is for replacement, specify the affected engine. If the application is for an existing unpermitted engine, indicate the date that the engine was installed at your facility. Please provide the manufacturer's name, year that the engine was manufactured, model number, serial number, and 12-character family name that is located on the engine. The rating the District uses to classify the engine is the maximum continuous horsepower rating designated by the engine manufacturer. If you have manufacturer's literature for the engine that includes the make, model, horsepower rating, family name, and emissions data, please provide that information. Further, if you have your own identification number for your engine, please include that information also.

Specify whether the engine is equipped with a non-resettable hour meter. The District requires that all backup utility generator engines be equipped with a non-resettable hour meter. Backup utility generator engines will be limited to 200 hours per year of non-emergency operation. The non-resettable hour meter is needed to verify compliance with this limit. Note that if engines are used as emergency engines in addition to their use as backup utility generators, hours of use during actual emergency operations (as defined in APCD Rule 23.D.7), are not subject to this limit. You will be required to maintain records that differentiate between emergency hours of operation and backup utility hours of operation.

Fuel and Emissions – Indicate what type of diesel fuel you will use. CARB diesel with 15 ppm sulfur is the only fuel that can be sold for use in motor vehicles in California. Therefore, it is the most commonly available diesel fuel and is what most people use. CARB diesel will be required for new engines. APCD Rule 64 allows fuel with up to 0.5% sulfur. If you are not using vehicle fuel, you may be using fuel that contains up to 0.5% sulfur. Note that use of higher sulfur fuel could result in higher fees for your APCD Permit, so you should not indicate that you use a higher sulfur fuel than you actually use.

Check all particulate matter emission controls that are proposed. Indicate manufacturer's guaranteed emission rates or certification levels for nitrogen oxides (NO_x), carbon monoxide (CO), non-methane organics, and particulate matter, as applicable.



DIESEL-FIRED BACKUP UTILITY GENERATOR 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"/> Existing Unit Date of Installation _____	<input type="checkbox"/> Replacement of Existing Unit Specify _____ <input type="checkbox"/> New or Additional Unit Specify _____
Manufacturer		
Year of Manufacture		
Model		
Serial Number		
EPA/ARB 12-character Engine Family Name		
Manufacturer's Maximum Continuous Horsepower Rating	_____ BHP	
Your I.D. For Engine (if any)		
Equipped with a non-resettable hour meter? Note: Non-resettable hour meters are required for all Backup Utility Generator Engines. See instructions for operating hour limits.	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Fuel and Emissions

Diesel Fuel Type	<input type="checkbox"/> Rule 64 Compliant (0.5% Sulfur)	<input type="checkbox"/> Other _____% Sulfur
Particulate Matter Emission Control (Check All that Apply)	<input type="checkbox"/> CARB Diesel (15 ppm)	
	<input type="checkbox"/> Diesel Particulate Filter	
	<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)	

DIESEL-FIRED BACKUP UTILITY GENERATOR ENGINES

Engine Status

Is the engine stationary or portable for purposes of compliance with the applicable state Air Toxic Control Measure (ATCM)?

A stationary compression ignition (CI) engine is a CI engine designed to stay in one location, or that remains in one location. A portable CI engine is a CI engine designed and capable of being carried or moved from one location to another. Indicators of portability include, but are not limited to, wheels, skids, carrying handles, dolly, trailer, or platform. An engine with indicators of portability that remains at the same location for more than 12 consecutive rolling months or 365 rolling days, whichever occurs first, not including time spent in a storage facility, shall be deemed a stationary engine.

Note that for ATCM compliance purposes, an engine that is not eligible for registration under the state Portable Equipment Registration Program (PERP) may be considered portable. This includes engines subject to federal MACT, NESHAP, or NSPS; equipment operated in the OCS; and equipment that qualifies as part of a stationary source.

- Stationary
 Portable

Describe how you determined whether the engine is stationary or portable.

Complete for stationary engines only

Exhaust stack height from ground	_____ feet
Diameter of stack outlet	_____ inches
Direction of stack outlet	<input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical <input type="checkbox"/> Other _____
End of stack	<input type="checkbox"/> Open <input type="checkbox"/> Capped <input type="checkbox"/> Flapper-type cap
Typical load (percent of maximum bhp rating)	_____ percent
Typical annual hours of operation	_____ hours
If seasonal, months of year operated and typical hours per month operated	Months operated _____ through _____ typical hours per month _____
Fuel usage rate (if available)	_____ gallons per hour
Nearest offsite receptor description (type)	_____
Distance to nearest offsite receptor	_____ feet
Distance to nearest school grounds	_____ feet
Is the engine included in an existing AB2588 emission inventory?	<input type="checkbox"/> Yes <input type="checkbox"/> No