



air pollution control district
SANTA BARBARA COUNTY

Diesel-Fired Primary Engine Application Form -34P

Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110-1315

Complete a separate APCD Form -34P for each prime engine along with an APCD Form -01 (*Permit Application - General*). Only one Form -01 is required. Only one Form -01 is required if multiple engines are being applied for at the same facility. Mail the completed form(s) and appropriate filing fees to the Air Pollution Control District (APCD) at the above address.

Additional assistance in filling out this application can be obtained by referencing to the APCD's Diesel Internal Combustion Engine webpage at <http://www.ourair.org/dice-atcm>.

Purpose of Application (check all that apply)

<input type="checkbox"/> New Engine	<input type="checkbox"/> Replacement of Existing Engine
<input type="checkbox"/> Add-On Controls	<input type="checkbox"/> Loss of Exemption
<input type="checkbox"/> Existing Engine	Date of Installation <input type="text"/>
<input type="checkbox"/> Other (describe):	<input type="text"/>

Engine Location

Physical Address of Engine			
Street Address or Nearest Cross Streets or Lease Name	<input type="text"/>		
City	<input type="text"/>	State	<input type="text"/>
		Zip Code	<input type="text"/>

Exemptions (check all that apply)

<input type="checkbox"/> C.2 Marine (propulsion or aux)	<input type="checkbox"/> C.8 DoD Training Engine	<input type="checkbox"/> C.10 OCS Engine
<input type="checkbox"/> C.12 Low Use Engine	<input type="checkbox"/> C.13 In-Use Dual Fuel (alternative)	
<input type="checkbox"/> C.18 Remote Location Engine	<input type="checkbox"/> C.19 Fuel Delay Requirements	

General Information (please fill in completely)

<input type="radio"/> Stationary	<input type="radio"/> Portable	Is the engine stationary or portable for purposes of compliance with the applicable state Air Toxic Control Measure (ATCM)? See the definition of "Portable CI Engine" in the ATCM. http://www.ourair.org/dice-atcm
<input type="radio"/> Yes	<input type="radio"/> No	Does the company own four or more diesel engines rated over 50 bhp in Santa Barbara County?
<input type="radio"/> Yes	<input type="radio"/> No	Is this application for more than one diesel-fired engine? If yes, please fill out a separate Form -34P for each engine.
<input type="radio"/> Yes	<input type="radio"/> No	Will this diesel engine be used in conjunction with another engine to provide power to the same equipment? (<i>example: two engines powering the same refrigeration compressor</i>) If yes, identify on a separate sheet of paper the specific engines, their ratings, and equipment served.

For APCD use only. FID #

App. #

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☐ Yes ☐ No Does this prime engine produce electricity near the place of use (i.e. Distributed Generation)?

☐ Yes ☐ No Is the engine used to provide an essential public service? If yes, identify the public service provided by this engine.

☐ Yes ☐ No Is your engine located or proposed to be located within 500 feet from the school grounds (k-12) as defined in Section 93115.4(a)(67) of the ATCM?

Distance from engine to nearest receptor (ft):

Distance from engine to nearest building (ft):

Building Width (ft):

Building Height (ft):

Building Length (ft):

Engine Information (Please fill in completely. Use a separate form for each engine)

Engine Use (check all that apply)

- ☐ Electrical Power ☐ Fire Water Pump ☐ Mechanical Work ☐ Pumping Flood Water
☐ Pumping Sewage ☐ Runway Lights ☐ Water Distribution System
☐ Other (Describe)

Engine Data

☐ Yes ☐ No Do you have the engine manufacturer's engine specification sheet? If so, please attach it to this application form. *(Required for new engines)*

Manufacturer			
Model Name			
Year of Manufacture		Model Year	
Maximum Rated Brake Horsepower (bhp)			
Diameter of Stack Outlet (inches)		Stack Height from Ground (feet)	
Exhaust Stack Temperature (°F)		Exhaust Flow Rate (scfm)	
Serial Number			
EPA 12-Character Family Name*			
ARB Engine Certification Executive Order*			
Owner/Operator ID for Engine (if any)			

*Only applicable to certified engines. Check engine nameplate or engine manufacturer.

**Diesel-Fired
Primary Engine
Application Form -34P****Fuel Data**

Fuel Type (Use CARB Diesel as default fuel type, if unknown.)

- ☐ CARB Diesel
☐ Other (specify):

Engine Operations

Hour Meter Type

☐ Yes ☐ No

Is the engine equipped with a 4-digit Non-Resettable Hour Meter?

☐ Yes ☐ No

If the engine is equipped with a 4-digit Non-Resettable Hour Meter, is the meter integral to the engine? If no, then provide the following engine hour meter information:

Manufacturer	<input type="text"/>		
Model Name	<input type="text"/>	Serial Number	<input type="text"/>

Fuel Meter Type

All engines must be equipped with a system to continuously measure and monitor fuel usage. Provide the following information regarding the fuel use metering system that will be installed with the engine.

- ☐ Positive Displacement ☐ Turbine

Volume Gauge:

- ☐ Venturi ☐ Orifice Place/Differential Pressure
☐ Other (specify):

Fuel Meter Manufacturer	<input type="text"/>		
Model Name	<input type="text"/>		
Serial Number	<input type="text"/>		
Metered Units	<input type="text"/>	Range	<input type="text"/>
Sensitivity & Accuracy	<input type="text"/>	Calibration Frequency	<input type="text"/>

☐ Yes ☐ No

Will this meter service multiple engines? If yes, identify the number of engines it will serve:

☐ Yes ☐ No

Is the meter equipped with a total fuel use recorder? If yes, identify the type of recorder:

- ☐ Circular Chart ☐ Strip Chart ☐ Computer Data-Logger

Fuel Recorder Manufacturer	<input type="text"/>
Model Name	<input type="text"/>
Serial Number	<input type="text"/>

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Maximum Engine Operating Schedule

	Hourly	Daily	Quarterly	Annual
Hours of Operation				
Gallons Fuel Use				

Emission Control Data

Emission Control Technology (check all that apply)

- ☐ Yes ☐ No Is the engine equipped with an exhaust after-treatment system (e.g., a particulate filter), or other modification to the engine to reduce exhaust emissions? If yes, please check the applicable left-hand boxes below, and provide information on all that apply and attach a copy of the manufacturers' literature:

Emission Control		Manufacturer	Model

- ☐ Yes ☐ No If the engine is equipped with a device to reduce exhaust emissions, has the device been Level-3 Verified through the Air Resources Board (ARB) Verification Procedure? If yes, identify the Executive Order for the approved control equipment:

ARB Executive Order No.:

DPF Filter Information

- ☐ Yes ☐ No Will a Diesel Particulate Filter be used? If yes, identify the type of backpressure monitor that will be installed and attach a copy of the manufacturers' literature. Identify the manufacturers operational ranges in the fields specified below:

Manufacturer			
Model Name		Pressure Range (kPa)	
Serial Number		Temp. Range (°F)	

Emission Factors

Emission factors form the basis for calculating the mass emissions from the engine. The APCD will use default emission factors based on the engine's Tier standard. Older engines are assigned the current EPA AP-42 emission factors. If "Other" is selected, provide the specific basis, fill in the box below and attach detailed supporting emissions documentation. Emissions testing may be required to verify the use of "Other" emission factors.

- ☐ Use the default USEPA Tier Standard for Compression Ignition Engines for this engine

- ☐ Other (specify):

	Value (in g/bhp-hr)
Nitrogen Oxides (NOx as NO2)	
Reactive Organic Compounds (ROC)	
Carbon Monoxide (CO)	
Particulate Matter (PM)	

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PM Emission Standard for In-Use Engines

If the prime engine is "in-use" and the engine is off-road certified, identify the PM control option that will be used:

- ☐ Option 1 - 85% from baseline ☐ Option 2 - 0.01 g/bhp-hr

If the prime engine is "in-use" and the engine is **not** off-road certified, identify the PM control option that will be used:

- ☐ Option 1 - 85% from baseline ☐ Option 2 - 0.01 g/bhp-hr
☐ Option 3 - 30% reduction from baseline and 0.01 g/bhp-hr by not later than July 1, 2011

Applicant/Preparer Statement

The person who prepares the application also must sign this form. The preparer may be an employee of the owner/operator or an authorized agent (contractor/consultant) working on behalf of the owner/operator (an *Authorized Agent Form-01A* is required).

I certify pursuant to H&SC Section 42303.5 that all information contained herein and information submitted with this application is true and correct.

	Company	
Completed By		
	Date	
Signature		

Application Checklist (Have you submitted all the required information? Please check off the boxes)

- ☐ Form -01 (*Permit Application Form*) attach one Form-01 for all diesel engines within the same facility.
- ☐ Form -01A (*Authorized Agent Form*) attach if this application was prepared by and/or if correspondence is requested to be sent to an Agent Authorized (e.g., contractor or consultant). This form must accompany each Form -01 application.
- ☐ Form -34R (*Stationary Diesel ATCM Emission Inventory Reporting Form*) attached. (*required*)
- ☐ Engine manufacturer specification sheets (*required for new engines*).
- ☐ Permit application filing fee of \$565 for new engines. Permit application filing fee of \$1,130 for engines installed prior to January 1, 2005.
- ☐ Emissions documentation from the manufacturer (*If Other Emission Factor box is checked*)
- ☐ Emission Control Technology manufacturer specification sheets and emissions documentation (*as appropriate*).

**PLEASE NOTE THAT FAILURE TO COMPLETELY PROVIDE ALL REQUIRED INFORMATION OR FEES WILL
RESULT IN YOUR APPLICATION BEING RETURNED OR DEEMED INCOMPLETE.**