

Fleet Average Emission Calculation Sheet for Engines Under 175 Brake Horsepower

	A	B	C		D	Equals	E
	Company Unit I.D. Number (optional)	PERP Registration Number or District Permit Number	Engine Horsepower bhp	Times X	Emission Factor ef	=	bhp x ef
1							
2							
3							
4							
5							

Add the bhp values in Column C and put the total here: _____

Total bhp
"X"

Add the ef values in Column E _____
and put the total here

Total bhp x ef
"Y"

Divide Y by X and put the result here.

This is your fleet average: _____

Y ÷ X

Write the **emission standard** for
the year and horsepower range
here (see next page): _____

If the fleet average is equal to or less than the emission standard, the fleet meets the requirements for the compliance date.

PERP Registration forms are available at <http://www.arb.ca.gov/portable/portable.htm>

Fleet Average Emission Standards for Engines Under 175 bhp

<i>January 1, 2013</i>
PM standard, g/bhp-hr
0.30

<i>January 1, 2017</i>
PM standard, g/bhp-hr
0.18

<i>January 1, 2020</i>
PM standard, g/bhp-hr
0.04

PERP Registration forms are available at <http://www.arb.ca.gov/portable/portable.htm>

1. *General – This sheet is provided to help in doing the calculations necessary to determine compliance with the Fleet Requirements of the Portable Engine Air Toxic Control Measure (ATCM).*
2. *Columns A – E – The information for these boxes can be determined as follows;*

Column A: Company Unit I.D. Number – This is your company’s number designation for the unit.

Column B: PERP Registration Number or District Permit Number – This can be found on the district permit to operate or on the Portable Equipment Registration Program (PERP) registration certificate.

Column C: Engine horsepower – This is the engine’s maximum rated horsepower. It can be found on the district permit or on the Portable Equipment Registration Program (PERP) registration certificate.

Column D: Emission Factor – This is the PM emission factor from one of the following sources:

This will be the emission factor from the California Air Resources Board Executive Order publishing the engine certification or for Tier 1 engines under 175 bhp, for which there was no emission standard, an emission factor of 0.87 g/bhp-hr for engines under 120 bhp and 0.46 for engines rated 120 bhp to 175 bhp. If the emission factor is not listed on the registration certificate, it may be obtained by contacting PERP staff.

For district permitted engines, the emission factor may be listed on the permit to operate; otherwise it will be on the on the California Air Resources Board Executive Order publishing the engine certification.

For PERP-registered engines with SCR systems or engines with a verified emission control strategy, the results of emission tests as submitted to the Air Resources Board and indicated on the PERP registration certificate.

Column E: Multiply the bhp in Column C times the ef in Column D.



Statement of Compliance with the January 1, 2013 Fleet Standard
for Engines Under 175 bhp

Company Name

Mailing Address		
Street		
City	State	Zip

Number of Engines in Fleet	Company Fleet Average PM	2013 PM Requirement
		0.30

I certify that this report includes, as of January 1, 2013, all engines within the specified horsepower range owned and operated in California by our company or agency, that the information entered for the purposes of calculating the fleet average PM is correct, and that the fleet standards are being achieved.

Name of Responsible Official	Title
Signature of Responsible Official	Date

Instructions for submitting the Statement of Compliance

1. Enter the information above. Make sure the company name is the same as shown on the Portable Equipment Registration Program registration certificate or district permit to operate.
2. Submit to the Air Resources Board by March 1, 2013.
3. Attach a copy of the calculation sheet, the Engine Information sheet, and, if needed, the Non-Fleet Inventory sheet. See Section 93116.4 of the Portable Diesel Engine ATCM for specific fleet reporting requirements.
4. You may also be required to maintain records per Section 93116.4(d) relating to alternative fuel engines and to comply with Section 93116.4(e) relating to operation of emergency-use and low-use engines, documentation of use of electrification, and compliance with requirements for engines equipped with SCR systems.
5. Mail to:

ARB/PERP
P.O. Box 2038
Sacramento, CA 95812

Engine Information (attach to Compliance Statement for submittal to ARB)

Under 175 bhp

List here the registration number, serial number, engine manufacturer name, engine model number, and the year of manufacture of the registered engines in your fleet which are used in the fleet average calculations on the first page.

Company Name

Enter information (Obtain from PERP Registration Certificate or District Permit)				
PERP Registration Number or District Permit Number	Engine Serial Number	Engine Manufacturer	Model Number	Year of Manufacture

Attach to Compliance Statement

Inventory of Engines not Included in the Fleet as of January 1, 2013 (attach to Compliance Statement for submittal to ARB)

Under 175 bhp

List here any portable engines you own but which are not included in the fleet calculations because they are low-use, emergency-use, operated only outside California, or operated only within the Outer Continental Shelf. Don't include engines under 50 bhp or alternative fuel engines. The PM emission factor only needs to be entered for low-use and emergency-use engines.

Company Name

Enter information (Obtain from PERP Registration Certificate or District Permit)						Mark "x"			
PERP Registration Number or District Permit Number	Engine Serial Number	Engine Manufacturer	Model Number	Year of Manufacture	PM Emission Factor, g/bhp-hr	Operated Exclusively Outside California	Operated Only in the Outer Continental Shelf	Designated for Emergency Only-Use	Designated for Low-Use Only

Attach to Compliance Statement