

San Diego APCD  
Emissions Inventory Request Form Instructions

**COMBUSTION – DIESEL FIRED ENGINES**

Please refer to the general instructions for guidance regarding the following sections: Reporting Year, Facility Identification, Permit Information, Device Information, Stack / Ducted Emissions and Fugitive Release Emissions.

**MATERIAL/ PROCESS INFORMATION**

Fill in all the data fields. Complete all blanks using the specified units. Use a separate form to report each device. Copy the blank form as needed to report for each device. On forms with pre-printed process information from a previously submitted inventory, asterisks (\*) highlight data fields that must be updated.

**Fuel Type:** Only diesel fuel should be reported on this form. Other liquid fuels (i.e., residual oil, jet fuel, kerosene, propane, butane, gasoline) should be reported on the COMBUSTION – LIQUID FUEL request form.

Note: only provide engine data during non-emergency use.

**Typical Load (%):** Provide the typical load as a percent of the total load capacity of 100% the engine is operated at during non-emergency use (i.e., during maintenance).

**Emission Factors @ Typical Load (grams/bhp-hr):** If available, provide the emission factors for various pollutants (diesel particulate matter, carbon monoxide, non-methane hydrocarbons + oxides of nitrogen, oxides of nitrogen and/or reactive organic gases) in grams per brake horsepower-hours when the engine is operating at a typical load during non-emergency use.

You may find emission factors at the Air Resources Board (ARB) webpage <https://www.arb.ca.gov/msprog/offroad/cert/cert.php> or the Environmental Protection Agency's (EPA) webpage <https://www.epa.gov/compliance-and-fuel-economy-data/engine-certification-data>. Note: the emission factors on EPA's webpage are presented in grams/kilowatt-hour (g/kw-hr). To convert g/kw-hr into grams/brake horse power – hour, multiply g/kw-hr by 0.746.

**Device Operating Schedule:**

**Daily Operation (hours/day):** Report the average amount of hours the device operates in a typical day.

**Weekly Operation (days/week):** Report the average number of days the device operates in a typical week.

**Annual Operation (days/year):** Report the number of days the device operated during the Reporting Year.

**POLLUTANT NAME (lbs pollutant/1000 gallons fuel)**

If available, provide site specific emission factors with supporting documentation. The District will use default emission factors to estimate emissions where site-specific information is not available or not documented.

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REPORTING YEAR:

EIF ID : SITE RECORD ID :
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PERMIT INFORMATION :

DEVICE INFORMATION :

STACK (DUCTED EMISSIONS)
Diameter (ft): Exhaust Gas Temperature (F): Exhaust Gas Flowrate (CFM): Height Above Ground (ft): Control Device Description: Capture Efficiency (%): Volatile Control Efficiency (%): Non-Volatile Control Efficiency (%):

RELEASE (FUGITIVE EMISSIONS)
Emission Control Method: Volatile Control Efficiency (%): Non-Volatile Control Efficiency (%): Additional Information: Capture Efficiency (%):

MATERIAL/PROCESS INFORMATION
Fuel Type: Engine Manufacturer: Engine Make: Engine Model/Year: Engine Family Number: Engine Rating (bhp): Non-Emergency Operations: - Annual Fuel Usage (gals/year): - Hourly Fuel Usage (gals/hour): - Typical Load (%): - Operating Hours (hours/year): Device Operating Schedule: - Daily Operation (hours/day): - Weekly Operation (days/week): - Annual Operation (days/year): Emission Factors @ Typical Load (grams/bhp-hour) - Diesel Particulate Matter: - Carbon Monoxide (CO): - Non-Methane Hydrocarbons + NOx (NMHC + NOx): - Oxides of Nitrogen (NOx): - Reactive Organic Gases (ROG):

POLLUTANT NAME

EIF ID: , SITE RECORD ID: , PERMIT: , DEVICE:

Prepared By: \_\_\_\_\_

Date: \_\_\_\_\_