

Southwest Clean Air Agency

STATIONARY/MOBILE INTERNAL COMBUSTION ENGINES AIR DISCHARGE PERMIT APPLICATION DATA SHEET

Application No: _____

Date Received: _____

APPLICANT INFORMATION:

Applicant Name: _____

Facility Id / Name: _____

Contact Name / Title: _____

Mailing Address: _____ Phone: _____
Street City State Zip

Equipment Address: _____ Phone: _____
Street City State Zip

EQUIPMENT TYPE AND USE: (Check all that apply)

- | | | |
|--|---|---------------------------------------|
| <input type="checkbox"/> Gasoline | <input type="checkbox"/> Normal Power Supply Source | <input type="checkbox"/> EPA Tier I |
| <input type="checkbox"/> Biodiesel | <input type="checkbox"/> Standby Power Source | <input type="checkbox"/> EPA Tier II |
| <input type="checkbox"/> Diesel (≤ 15 ppm S) | <input type="checkbox"/> Emergency Power Source | <input type="checkbox"/> EPA Tier III |
| <input type="checkbox"/> Natural Gas | <input type="checkbox"/> Turbocharged/Supercharged | <input type="checkbox"/> EPA Tier IV |
| <input type="checkbox"/> Propane (LPG) | <input type="checkbox"/> Particulate filter (provide details) | <input type="checkbox"/> On-road |
| <input type="checkbox"/> Reciprocating Engine | <input type="checkbox"/> SCR/SNCR (provide details) | <input type="checkbox"/> Non-road |
| <input type="checkbox"/> Turbine Engine | | |

OPERATION DATA:

Hours of Operation Maximum: _____ hr/day, _____ days/wk, _____ weeks/yr
Hours of Operation Actual: _____ hr/day, _____ days/wk, _____ weeks/yr
Distance to: Property Boundary: _____ feet or miles; Closest Residential Dwelling: _____ feet or miles
Noise Level: maximum _____ decibels; normal _____ decibels

ENGINE DATA:

Manufacturer: _____ Model No: _____
Serial No: _____ Date Produced: _____
Number of Cylinders: _____ Displacement: _____ L or cu in Engine Brake Horsepower: _____ BHP
Exhaust Flowrate: _____ acfm Exhaust Temp: _____ deg F
Exhaust / stack diameter: _____ inches Fuel Consumption Rate: _____ gal/hour (ft³/min) at rated capacity
Exhaust stack height (AGL): _____ ft-in Exhaust stack height (above roof peak): _____ ft-in

Vertical discharge only – no rain caps that inhibit vertical discharge – no horizontal discharge

FUEL DATA: (refer to back for emissions information)

Use No. 2 Diesel Fuel, if application is diesel powered. Sulfur Content: 0.0015 percent (15 ppm) maximum allowed for diesel.

Density : 7.206 lb/gal (diesel) 6.127 lb/gal (gasoline)
Heating Values: diesel = 19567 Btu/lb (141,000 Btu/gal) natural gas = 1020 Btu/ft³
gasoline = 20400 Btu/lb (125,000 Btu/gal)

GENERATOR/COMPRESSOR DATA:

Manufacturer: _____ Model No: _____
Serial No: _____ Date Produced: _____
Operating Speed: _____ RPM at engine speed _____ RPM
Rated Output: _____ KW or pressure (psi) Normal Output: _____ KW or pressure (psi)

NSPS / MACT Applicability:

- 40 CFR 60.4200 Subpart IIII - Compression Ignition Internal Combustion Engines
- 40 CFR 60.4230 Subpart JJJJ - Spark Ignition Internal Combustion Engines
- 40 CFR 63.6580 Subpart ZZZZ - Internal Combustion Engines (RICE)

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EMISSIONS DETERMINATION INFORMATION

1. Engine manufacturer information and specification sheets should be obtained and used to determine emissions information. Contact the engine manufacturer such as Caterpillar or Cummins or a local distributor to get help in obtaining this information. These specification sheets or copies thereof, should be submitted with the application. These specification sheets should include the emissions guarantee for the specific equipment proposed.
2. If the engine is too old for the manufacturer to have information, then emission information is generally available at the EPA website WWW.EPA.GOV/TTN/Chief/AP42. Refer to the specific section that is applicable to your engine type and size. Generally, older engines should not be submitted for approval as part of a new project. Recent developments in EPA engine requirements dictate that newer engines be used for new projects. A case by case determination will be made by SWCAA if an old engine is proposed for installation.