



South Coast Air Quality Management District  
 FORM 400-E-13a  
 Emergency Internal Combustion Engine

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A

**Mail Application To:**  
 SCAQMD  
 P.O. Box 4944  
 Diamond Bar, CA 91765  
 Tel: (909) 396-3385  
 www.aqmd.gov

Permit to be issued to (Business name of operator to appear on permit): \_\_\_\_\_

Street location where the equipment will be operated ( for equipment which will be moved to various location in SCAQMD's jurisdiction, please list the initial location site): \_\_\_\_\_

**Section A: Equipment Information**

Internal Combustion Engine	Manufacturer:	Model No.:	Serial No.:
	EPA Family No.:	Date of Manufacture: _____ (mm/dd/yyyy) For an ICE manufactured after 7/18/94, please provide manufacturer's specification.	
	Manufacturer Maximum Rating: _____ BHP @ _____ RPM	Date of Installation: _____ (mm/dd/yyyy)	
ICE Emergency Function	<input type="radio"/> Electrical Generator <input type="radio"/> Fire Pump <input type="radio"/> Flood Control <input type="radio"/> Pump Driver <input type="radio"/> Compressor <input type="radio"/> Water Pump <input type="radio"/> Other _____		
Type	<input type="radio"/> Fixed site <input type="radio"/> Portable    How Is This Type of Equipment Used? (Check All That Apply) <input type="checkbox"/> Within Facility <input type="checkbox"/> Off- Site <input type="checkbox"/> Rental		
Fuel	<input type="radio"/> Diesel Oil <input type="radio"/> LPG <input type="radio"/> Natural Gas <input type="radio"/> Other: _____		
Cycle Type	<input type="radio"/> Two Cycle <input type="radio"/> Four Cycle		
Combustion Type	<input type="radio"/> Lean Burn <input type="radio"/> Rich Burn		
Engine Size	_____ liters		
No. of Cylinders	<input type="radio"/> Four <input type="radio"/> Six <input type="radio"/> Eight <input type="radio"/> Ten <input type="radio"/> Twelve <input type="radio"/> Sixteen <input type="radio"/> Other _____		
Aspiration Type	<input type="radio"/> Naturally Aspirated <input type="radio"/> Turbocharged <input type="radio"/> Turbocharged/Aftercooled		
Air Pollution Control	Check all that apply: <input type="checkbox"/> Selective Catalytic Reduction (SCR)* <input type="checkbox"/> Catalytic Converter <input type="checkbox"/> Selective Non-catalytic Reduction (SNCR)* <input type="checkbox"/> Air/Fuel Ratio Controller <input type="checkbox"/> Non-selective Catalytic Reduction (NSCR) <input type="checkbox"/> No Controls <input type="checkbox"/> Diesel Particulate Filter (DPF) <input type="checkbox"/> Other (specify) _____ Manufacturer: _____    Model No. _____ If already permitted, indicate Permit No. _____    Device No. _____ (RECLAIM and/or Title V Permits) * Separate application is required.		
	<p align="center"><b>Additional Information for Diesel Particulate Filter (DPF)</b></p> Filter Efficiency: _____ % CARB Certified? <input type="radio"/> Yes <input type="radio"/> No If Yes, provide a copy of the CARB Verification Certificate, or provide the Verification No. _____ Installing a backpressure relief system? <input type="radio"/> Yes <input type="radio"/> No		

**Section B: Operation Information**

<b>Fuel Consumption</b>	Maximum Load: _____ gal/hr OR _____ cu ft/hr	Average Load: _____ gal/hr OR _____ cu ft/hr
<b>Operating Schedule</b>	Normal: _____ hours/day _____ days/week _____ weeks/year	
	Maximum: _____ hours/day _____ days/week _____ weeks/year	
	Testing & Maintenance: _____ hours/year	

**Section C: Engine Data**

Is the engine EPA certified?

Yes Provide a copy of EPA's Engine Certification.

Choose one:  Tier I  Tier II  Tier III  Tier IV (Interim)  Tier IV

No Provide a copy of the Manufacturer's Emissions Data.

If manufacturer's emissions data is not available, provide available emissions data below. Provide supporting documents.

Carbon Monoxide (grams/bhp-hr)	Hydrocarbons (grams/bhp-hr)	Oxides of Nitrogen (grams/bhp-hr)	Hydrocarbons + Oxides of Nitrogen (grams/bhp-hr)	Particulate Matter (grams/bhp-hr)

**Section D: Sensitive Receptors**

A. Distance from engine stack to the fence line of the nearest sensitive receptor (ie., long-term health care facilities, rehabilitation centers, convalescent centers, retirement homes, residences, schools (K-12), playgrounds, child care centers, and athletic facilities):

Type of Facility	Name of Facility	Distance (feet)

**Section E: Applicant Certification Statement**

I hereby certify that all information contained herein and submitted with this application is true and correct.

<b>SIGNATURE OF PREPARER:</b>	<b>TITLE OF PREPARER:</b>	
<b>CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT :</b>	<b>CONTACT PERSON'S TELEPHONE NUMBER</b>	<b>DATE SIGNED:</b>

THIS IS A PUBLIC DOCUMENT

Pursuant to the California Public Records Act, your permit application and any supplemental documentation are public records and may be disclosed to a third party. If you wish to claim certain limited information as exempt from disclosure because it qualifies as a trade secret, as defined in the District's Guidelines for Implementing the California Public Records Act, you must make such claim at the time of submittal to the District.

Check here if you claim that this form or its attachments contain confidential trade secret information.

## **RULE EVALUATION**

The internal combustion engine may be subject to the following rules:

SCAQMD Rules and Regulations	
Rule 212	Standards for Approving Permits and Issuing Public Notice
Rule 401	Visible Emissions
Rule 402	Nuisance
Rule 404	Particulate Matter – Concentration
Rule 431.1	Sulfur Content of Gaseous Fuels
Rule 431.2	Sulfur Content of Liquid Fuels Liquid fuels – sulfur content of 500 ppm by weight or less. Diesel fuel – sulfur content of 0.015% by weight or less.
Reg XIII	New Source Review
Rule 1401	New Source Review of Toxic Air Contaminants
Rule 1401.1	Requirements for New and Relocated Facilities Near Schools
Rule 1470	Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines
Rule 1472	Requirements for Facilities with Multiple Stationary Emergency Standby Diesel-Fueled Internal Combustion Engines
Rule 1714	Prevention of Significant Deterioration for Greenhouse Gases
Code of Federal Regulations	
40 CFR 60 Subpart III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
40 CFR 60 Subpart JJJJ	Standards of Performance for New Stationary Sources
40 CFR 63 Subpart ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)

**SAMPLE CONDITIONS FOR EMERGENCY INTERNAL COMBUSTION ENGINES (GENERATORS)**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.
3. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SCAQMD RULE 431.2, SCAQMD RULE 1470, 40CFR PART 60 SUBPART IIII AND 40 CFR PART 63 SUBPART ZZZZ, OR THE OPERATOR SHALL NOT USE ANY DIESEL FUEL UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT SHALL NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
5. THE OPERATION OF ENGINE BEYOND 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.
6. AN OPERATIONAL NON-RESETTING TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
7. ON OR BEFORE JANUARY 15<sup>TH</sup> OF EACH YEAR THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG:
  - A. THE TOTAL HOURS OF ENGINE OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
  - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

ENGINE OPERATION LOG(S) SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.

8. THE OPERATOR SHALL KEEP A LOG OF ENGINE OPERATIONS DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND THE SPECIFIC REASON FOR OPERATION AS:
  - A. EMERGENCY USE
  - A. MAINTENANCE AND TESTING
  - C. OTHER (BE SPECIFIC)

IN ADDITION, FOR EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE: THE DATE OF ENGINE OPERATION, THE START AND STOP TIME OF THE ENGINE, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND THE END OF THE OPERATION.

9. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.

10. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING TO COMPLY WITH REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). ANYTHING IN EXCESS OF 50 HOURS SHALL BE ALLOWED ONLY IN THE EVENT OF AN EMERGENCY FIRE FIGHTING OPERATION.

For Fire pumps:

11. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING TO COMPLY WITH REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). ANYTHING IN EXCESS OF 50 HOURS SHALL BE ALLOWED ONLY IN THE EVENT OF AN EMERGENCY FIRE FIGHTING OPERATION.

For Various Locations Equipment:

12. UPON THE FIFTH DAY AFTER PLACEMENT OF THIS EQUIPMENT INTO OPERATION AT A NEW SITE, THE DISTRICT SHALL BE NOTIFIED VIA TELEPHONE AT 877-810-6995 OF THE EXACT NATURE OF THE PROJECT AS FOLLOWS:
  - A. THE PERMIT NUMBER OF THE PORTABLE EQUIPMENT.
  - B. THE NAME AND TELEPHONE NUMBER OF A CONTACT PERSON.
  - C. THE LOCATION WHERE THE PORTABLE EQUIPMENT WILL BE OPERATED.
  - D. THE ESTIMATED TIME THE PORTABLE EQUIPMENT WILL BE LOCATED AT THE SITE.
  - E. DESCRIPTION OF THE PROJECT.
  - F. IF LESS THAN 1/4 MILE, THE DISTANCE TO THE NEAREST SENSITIVE RECEPTOR. SENSITIVE RECEPTORS ARE DEFINED AS LONG-TERM HEALTH CARE FACILITIES, REHABILITATION CENTERS, CONVALESCENT CENTERS, RETIREMENT HOMES, RESIDENCES, SCHOOLS, PLAYGROUNDS, CHILD CARE CENTERS, AND ATHLETIC FACILITIES.
13. THIS ENGINE AND ITS REPLACEMENT UNIT INTENDED TO PERFORM THE SAME OR SIMILAR FUNCTION, SHALL NOT RESIDE AT ANY ONE LOCATION FOR MORE THAN 12 CONSECUTIVE MONTHS. THE PERIOD DURING WHICH THE ENGINE AND ITS REPLACEMENT IS MAINTAINED AT A STORAGE FACILITY SHALL BE EXCLUDED FROM RESIDENCY TIME DETERMINATION.
14. THIS ENGINE SHALL NOT BE REMOVED FROM ONE LOCATION FOR A PERIOD OF TIME, AND THEN IT OR ITS EQUIVALENT ENGINE RETURNED TO THE SAME LOCATION, IN ORDER TO CIRCUMVENT THE PORTABLE ENGINE RESIDENCE TIME REQUIREMENTS.
15. IN ADDITION TO MAINTENANCE AND TESTING OF THIS ENGINE, THIS ENGINE SHALL ONLY BE USED FOR EITHER PROVIDING ELECTRICAL POWER TO PORTABLE OPERATIONS OR EMERGENCY POWER TO STATIONARY SOURCES. PORTABLE OPERATIONS ARE THOSE WHERE IT CAN BE DEMONSTRATED THAT BECAUSE OF THE NATURE OF THE OPERATION, IT IS NECESSARY TO PERIODICALLY MOVE THE EQUIPMENT FROM ONE LOCATION TO ANOTHER. EMERGENCIES AT STATIONARY SOURCES ARE THOSE THAT RESULT IN AN INTERRUPTION OF SERVICE OF THE PRIMARY POWER SUPPLY OR DURING STAGE II OR III ELECTRICAL EMERGENCIES DECLARED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR.