

FORM ENG100 - INTERNAL COMBUSTION ENGINES OIL AND GAS OPERATIONS

Pad Name as given in Form OG100: _____ If applicable, SMAQMD Permit No.: _____ or, if not currently permitted, please complete the rest of this application form.	
Engine Manufacturer: _____ Brake Horsepower: _____ at _____ RPM Model Number: _____ Identification/Serial Number (if known): _____ Engine Family _____ Date of Installation _____ Date Engine was Manufactured: _____ Cubic Inch Displacement: _____	
Engine Type: <input type="checkbox"/> 4-Cycle <input type="checkbox"/> 2-Cycle	
Aspiration Type: <input type="checkbox"/> Turbo Charged <input type="checkbox"/> Normal <input type="checkbox"/> After Cooled	
Fuel Type: <input type="checkbox"/> CARB Diesel <input type="checkbox"/> Gasoline <input type="checkbox"/> Natural Gas <input type="checkbox"/> Alternative Diesel (specify) _____ <input type="checkbox"/> Other(specify) _____ Fuel Usage Rate (if known) _____	If Gaseous Fueled: <input type="checkbox"/> Rich Burn <input type="checkbox"/> Lean Burn
Engine is used for: <input type="checkbox"/> Prime Power <input type="checkbox"/> Emergency Standby Exclusively* *Emergency standby exclusively allows operation when there is an actual interruption of power by the serving utility, emergency water pumping for flood control, fire fighting or water pressure. Operation allows up to 50 hours/year of operation for maintenance purposes and 200 total hours/year of operation for emergency and maintenance purposes combined (The CARB Diesel IC Engine Air Toxics Control Measure may restrict the engines maintenance hours further)	
Maximum number of hours of operation for which the permit is being requested (see note above): _____ hours/day _____ hours/quarter _____ hours/year Typical Load (% of rated hp) _____ Typical Hours of Operation (hrs/year) _____	
Which of the following (if any) will be used to control emissions? <input type="checkbox"/> Diesel Particulate Filter (DPF) Is the Diesel Particulate Filter certified by CARB? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Selective Catalytic Reduction <input type="checkbox"/> Non-Selective Catalytic Reduction/3 Way Catalysts <input type="checkbox"/> Other(specify) _____	
Equipment Driven by this Engine: <input type="checkbox"/> Generator KW rating _____ <input type="checkbox"/> Compressor <input type="checkbox"/> Pump (Specify Use): _____ <input type="checkbox"/> Generator that drives a pump <input type="checkbox"/> Other (specify): _____	

FORM ENG100
INTERNAL COMBUSTION ENGINES (continued)

Exhaust Stack Parameters:

Stack Height: _____ feet above ground Stack Inner Diameter: _____ inches Stack Flow Rate: _____ cfm

Stack Temperature : _____ °F

- Exhaust stack location: Stack on building roof. Height of roof: _____ feet above ground
 Stack attached to side of building. Height of building: _____ feet above ground
 Stack is not connected to building. Distance to nearest building: _____ feet

Important Note: Exhaust stack must vent upward (not to the side) and cannot be equipped with a rain cap that restricts vertical flow of exhaust gases.

Adjacent Properties: Please indicate distance and direction (i.e. N, NE, E, SE, S, SW, W, NW) from the engine stack to the following:

To the property line of the nearest residence: _____ feet. Direction: _____

To the property line of the nearest school (between grades K-12): _____ feet. Direction: _____

To the property line of the nearest commercial site: _____ feet. Direction: _____

BEST AVAILABLE CONTROL TECHNOLOGY REQUIREMENTS FOR NEW INSTALLATIONS:

Please refer to [SMAQMD's BACT Clearinghouse](#) for BACT and T-BACT standards. For further assistance in permitting of IC Engine, visiting the SMAQMD's [Permits & Registration Programs](#) section of our web site or by contacting a permit engineer in the Stationary Source Div. at (916) 874-4800.

DRAWINGS REQUIRED:

Drawings should be submitted on 8-1/2" X 11" sheets or larger. Drawings must clearly show the required information but do not need to be professionally drawn. All drawings should be drawn with north facing up and to scale.

Nearby Buildings:

Submit a drawing showing all buildings affecting the exhaust stack or point of release. The area of influence for a building is defined as the area within 5 times the lesser of the height, width, or length of a building. For each building, the drawing must show length, width, and height of the building, and distance to exhaust stack or point of release.

Property Line:

Submit a drawing showing the exhaust stack in relation to the property line. The drawing must be drawn to scale, with North facing up, and must show the entire property.

Near-by Residential and Commercial Properties:

Submit a drawing showing residential and commercial buildings surrounding the property. Indicate the distance from the stack (point of release) to the nearest residential and commercial buildings.

Fees:

Engines over 50 hp not currently permitted by the SMAQMD will require a separate filing fee as per Rule 301, Section 308.8.