



**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

**Form ICE**

Internal Combustion Engines

**4. EMISSION POINT/STACK INFORMATION**  Check here if the engine has more than one stack or has a continuous pollutant emission monitor and complete one Form P for each emission point..

Emission point number P \_\_\_\_\_ (If unknown leave blank)  New  Existing  
 Stack outlet height from ground level (ft) \_\_\_\_\_  
 Diameter of stack outlet (inches) \_\_\_\_\_ or Outlet cross-section area (square inches) \_\_\_\_\_  
 Direction of outlet (check one)  Horizontal  Vertical End of outlet (check one)  Open/hinged flap  Rain cap  
 Exhaust rate at typical operation (acfm) \_\_\_\_\_ Exhaust temperature at typical operation (°F) \_\_\_\_\_

**5. RISK ASSESSMENT INFORMATION.**

Distance from engine to the property line of the nearest residence (ft) \_\_\_\_\_ or (check if)  Greater than one mile  
 Distance from engine to the property line of the nearest school<sup>1</sup> (ft) \_\_\_\_\_ or (check if)  Greater than 1000 ft  
 Describe the nearest non-residential, non-school site (check one)  Industrial  Commercial  Hospital  
 Day care center  Other \_\_\_\_\_  
 Distance from engine to the property line of the nearest non-residential, non- school site(ft) \_\_\_\_\_ or  Greater than one mile  
 1. K-12 and more than twelve children only.

**6. FUEL DATA** Complete the table below for each fuel burned. If you are using a fuel other than those listed in the fuel code table, attach a **fuel analysis** indicating the higher heating value, sulfur content, and nitrogen content. Please clearly indicate the measurement unit that corresponds to the information you are submitting.  Check here if you are using more than two fuels, and attach a copy of this page listing the additional fuels.

Primary Fuel					Secondary Fuel				
Fuel Code <sup>1</sup> _____		Name _____			Fuel Code <sup>1</sup> _____		Name _____		
Maximum Fuel Use Rate <sup>2</sup> _____		gal/hr or SCF/hr			Maximum Fuel Use Rate <sup>2</sup> _____		gal/hr or SCF/hr		
Annual Fuel Usage <sup>3</sup> _____		gal/yr or therm/yr or SCF/yr			Annual Fuel Usage <sup>3</sup> _____		gal/yr or therm/yr or SCF/yr		
Typical Heat Content <sup>4</sup> _____		BTU/gal or BTU/SCF			Typical Heat Content <sup>4</sup> _____		BTU/gal or BTU/SCF		
Sulfur Content <sup>4</sup> _____		wt% liquids or ppmv gases			Sulfur Content <sup>4</sup> _____		wt% liquids or ppmv gases		
Emission Factors (Optional)					Emission Factors (Optional)				
Pollutant Name	Emission Factor	Units <sup>5</sup>	Basis Code <sup>6</sup>	Abated Factor (✓) <sup>7</sup>	Pollutant Name	Emission Factor	Units <sup>5</sup>	Basis Code <sup>6</sup>	Abated Factor (✓) <sup>7</sup>
Particulates				<input type="checkbox"/>	Particulates				<input type="checkbox"/>
Organics				<input type="checkbox"/>	Organics				<input type="checkbox"/>
Nitrogen Oxides				<input type="checkbox"/>	Nitrogen Oxides				<input type="checkbox"/>
Carbon Monoxide				<input type="checkbox"/>	Carbon Monoxide				<input type="checkbox"/>
Others – <input type="checkbox"/> Check here and attach a separate list under each fuel used.					Others – <input type="checkbox"/> Check here and attach a separate list under each fuel used.				

- Fuel Codes:** Diesel (98) Bio Diesel B100 (815) Bio Diesel B20 Blend (816) Gasoline (551)  
 Natural Gas (189) Landfill Gas (511) Digester Gas (493) Liquid Petroleum Gas (LPG) (160)
- Maximum fuel use rate units: gallon/hr for liquid fuels and SCF/hr for gaseous fuels. (SCF =Standard Cubic Foot)
- The annual fuel usage is the actual or projected engine fuel consumption over a rolling 12-month time period. Annual usage units: gallons for liquid fuel, therms for natural gas, and SCF for other gaseous fuels. (therm = 100,000 BTUs, BTU =British Thermal Unit)
- If you are using diesel, natural gas, or gasoline, you may skip this entry. Heat content units: BTU/gallon for liquid fuels, BTU/SCF for gaseous fuels. Sulfur content units: weight % for liquid fuels, ppmv for gaseous fuels. (ppmv = parts per million by volume)
- Emission factors may be reported as gram/brakehp-hr, or as lb per gallon, or as lb per therm, or as lb per SCF.
- See the Control Efficiency/Emission Factor Basis Code table under Section 3 on page 1 of this form.
- Place a check in this column if the emission factor applies to emissions after abatement by an add-on abatement device.

**7. CERTIFICATION** I hereby certify that all information contained herein is true and correct. (Please sign and date this form)

\_\_\_\_\_  
 Name of person certifying (print) Title of person certifying Signature of person certifying Date

Approved By: \_\_\_\_\_ Date: \_\_\_\_\_ Entered By: \_\_\_\_\_ Date: \_\_\_\_\_  
 (District Use Only) Form ICE Rev 04/12/16 Page 2 of 2