INTERNAL COMBUSTION ENGINES AND TURBINES INSTRUCTIONS

1. Assign an identification number to this device. Use this ID number to reference this device elsewhere in the application materials (e.g., on the process flow diagram, on the emissions data forms, etc.). The ID number may be anything the owner/operator wishes.

2. Indicate whether this engine is *existing (i*.e., currently in place) or *future* (i.e., the engine is to be added in the future during the permit term).

3. Enter the date that construction/installation of this device *commenced.* This refers to the date on which a financial commitment was made to undertake the construction.

4. Enter the date on which this device was or will be fully installed or construction completed.

5. Indicate (yes or no) whether this device has special control requirements as a result of New Source Review/Prevention of Significant Deterioration (NSR/PSD) or New Source Performance Standards (NSPS).

6. Enter the name of the manufacturer of the device.

7. Enter the date the engine was manufactured.

8. Enter the manufacturer's rated design capacity in horse power or Btu per hour for turbines.

9. Indicate (yes or no) whether there is an add-on control device. If yes, then complete the appropriate series AQ300 form and include the control device identification number on this form.

10. Describe the device. Identify its use/purpose (e.g., manufacturing, pumping, power generation, etc.).

11. Indicate the projected maximum number of hours per day that the engine will operate.

12. Indicate the projected maximum number of hours per year that the engine will operate.

13. Provide the following information for each fuel used in the device.

    a. Identify the type and grade of fuel.
    b. Enter the maximum hourly fuel usage. This number should represent the design capacity of the device. Specify the appropriate unit of measure (e.g., gallons per hour, cubic feet per hour, etc.).
    c. Enter the projected maximum annual fuel usage expected to be achieved in any one year of the pending permit term; specify the appropriate annual unit of measure (e.g., gallons per years; thousand cubic feet per year).

14. Provide the height of the stack associated with this device, in feet.

15. Provide the exit diameter of the stack associated with this device, in feet.

16. Provide the flow rate of the stack, in dry standard cubic feet per minute (dscf/min).

17. Answer each of the following questions about monitoring equipment on the device.

    a. Indicate (yes or no) whether the device has a fuel flow monitor. If yes, specify whether the monitor has a continuous recorder.
    b. Indicate (yes or no) whether the device has an engine load monitor. If yes, specify whether the monitor has a continuous recorder.
    c. Indicate (yes or no) whether the device has any other emission parameter monitor. If yes, specify the type of monitor and indicate whether it has a continuous recorder.

FORM AQ210

INTERNAL COMBUSTION ENGINES AND TURBINES ANSWER SHEET

Facility Name: _____ Permit Number: _____

Engine Information

1. Device ID Number
2. Existing or future?
3. Date construction commenced
4. Date installed/completed
5. Special controls (if applicable)
6. Manufacturer
7. Date manufactured
8. Maximum rating (MMbtu/hr for turbines, Hp for others)
9. Control device(s) (y/n; if y, identification number(s))
10. Description of device:

Operating Schedule

11. Projected maximum hours/day
12. Projected maximum hours/year

Fuel Information

13. Fuel usage:

	Type	Hourly usage	Annual usage
Primary			
Back-up			
Other			

Stack Information

14. Exit height (ft)
15. Exit diameter (ft)
16. Design flowrate (dscf)

Monitoring Information

17. Monitoring equipment

fuel flow (y/n)		recorder? (y/n)	
engine load (y/n).		recorder? (y/n)	
other (specify)		recorder? (y/n)	