

SAN DIEGO AIR POLLUTION CONTROL DISTRICT

**SUPPLEMENTAL APPLICATION
INFORMATION**

**FEE SCHEDULE
20 D, E, F, G, H**

San Diego APCD Use Only
Appl. No.:
ID No.:

GAS TURBINE

1 **COMPANY NAME:** _____

2 **ADDRESS:** _____

3 **A. EQUIPMENT AND PROCESS DESCRIPTION**

4 **ENGINE USE:** *(Check all that apply.)*

5 Power Generation: _____kw Steam Generation: _____lbs/hr steam

6 Other (Specify capacity.): _____

7 **ENGINE SPECIFICATIONS:**

8 Manufacturer: _____ Model No.: _____ S/N: _____

9 HP Rating: _____ Fuel Consumption Rate: _____MM BTU/HR

10 1. Type of Liquid Fuel Used*: _____ Fuel Rate(Specify Units): _____

11 Maximum %sulfur by wt. in fuel*: _____ %

12 2. Type of Gaseous Fuel Used*: _____ Fuel Rate: _____ cfh

13 Maximum Grains PM/100DSCF @ 12% O₂: _____grains/100dscf

14 **B. EMISSION CONTROL EQUIPMENT** *(Check all that apply)*

15 Low NOx burner Water injection SCR w/ Ammonia injection Hydrogenous Aqueous

16 Describe the control equipment to be installed and submit its technical data:

17 _____
18 _____
19 _____
20 _____

21 **C. EMISSION DATA**

22 Provide the manufacturer's specifications and emission factors (lbs/1,000 lbs of fuel) for oxides of nitrogen (NOx),
23 Carbon monoxide (CO), Hydrocarbons (HC), and particulate matter (PM) for the engine at different power settings with
24 corresponding engine exhaust flow rates and temperatures.

25 **D. EXHAUST STACK AND BLDG. DIMENSIONS** (if air quality modeling is required).

26 Stack location: _____ (i.e., roof top, wall, ground), direction: vertical horizontal

27 Stack dimensions: internal _____ ft. diameter, or _____ ft. wide x _____ ft. long

28 Stack dimensions: external _____ ft. diameter, or _____ ft. wide x _____ ft. long

(If other shape, then supply sketch of stack cross section)

29 Use an attached page to provide this information for each engine at each power setting.

30 Stack height: Above roof: _____ ft. Above ground level: _____ ft.

31 Site elevation above mean sea level (MSL) _____ ft.

32 Building dimensions: length _____ ft.; width _____ ft.; height _____ ft.

(Supply sketch w/position of exhaust stack)

33 Supply a plot plan showing the test cell/stand location with respect to nearby streets, property lines, and buildings.

34 **E. OTHER EMISSION PRODUCING EQUIPMENT AT THE SITE**

35 APCD permitted Yes No

36 Non permitted Yes No

37 **F. ADDITIONAL INFORMATION** _____

38 _____

39 _____

40 **G. OPERATING SCHEDULE**:* Hours/day: _____ Days/yr: _____

* Emission calculations will be performed using these values and permit conditions may result to comply with applicable rules.

41 **Name of Preparer:** _____ **Title:** _____

42 **Phone Number:** _____ **Date:** _____

NOTE TO APPLICANT:

Before acting on an application for Authority to Construct or Permit to Operate, the District may require further information, plans, or specifications. Forms with insufficient information may be returned to the applicant for completion, which will cause a delay in application processing and may increase processing fees. The applicant should correspond with equipment and material manufacturers to obtain the information requested on this supplemental form.