GAS TURBINE

A. EQUIPMENT AND PROCESS DESCRIPTION

ENGINE USE: (Check all that apply)

Power Generation: ________ kw Steam Generation: ________ lbs/hr steam

Other (Specify capacity.): _____________________________

ENGINE SPECIFICATIONS:

Manufacturer: ___________________ Model No.: ___________________ S/N: ___________________

HP Rating: ________ Fuel Consumption Rate: ________ MM BTU/HR

1. Type of Liquid Fuel Used*: __________________________ Fuel Rate(Specify Units): __________

   Maximum %sulfur by wt. in fuel*: ________%

2. Type of Gaseous Fuel Used*: __________________________ Fuel Rate: ________ cfh

   Maximum Grains PM/100DSCF @ 12% O₂: ________ grains/100dscf

B. EMISSION CONTROL EQUIPMENT (Check all that apply)

☐ Low NOx burner ☐ Water injection ☐ SCR w/ Ammonia injection ☐ Anhydrous ☐ Aqueous

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

__________________________________________________________________________________________________________

C. EMISSION DATA

Provide the manufacturer's specifications and emission factors (lbs/1,000 lbs of fuel) for oxides of nitrogen (NOx), Carbon monoxide (CO), Hydrocarbons (HC), and particulate matter (PM) for the engine at different power settings with corresponding engine exhaust flow rates and temperatures.
D. **EXHAUST STACK AND BLDG. DIMENSIONS** *(if air quality modeling is required)*.

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

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

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.


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.

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

35 APCD permitted ☐ Yes ☐ No

36 Non permitted ☐ Yes ☐ No

F. **ADDITIONAL INFORMATION**

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40 **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.