



Air Quality Permit Application Form

Boiler Turbine or Furnace

**This form is to be submitted, if necessary, along with
the Title V (Part 70) Operating Permit or Minor Operating Permit.
(please complete shaded areas)**

1. Facility identification (i.e., Boiler #1, Unit #1, etc):	Combustion Turbine #1		
2. Manufacturer:	T.B.D.	Manufacture date:	T.B.D.
3. Model number:	T.B.D.		

4. Type (i.e., steam boiler, simple cycle combustion turbine, generator, etc.)

Simple-cycle combustion turbine

5. Maximum designed operating rate (name plate):

2,978*	million Btus per hour heat input	
or	horsepower with boiler efficiency:	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>
or	kilowatts with boiler efficiency:	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>

6. Check the appropriate box(es) for primary and secondary fuels:

<input checked="" type="checkbox"/>	Natural gas		<input type="checkbox"/>	Propane
<input type="checkbox"/>	Distillate oil	Sulfur content		Weight percent
<input type="checkbox"/>	Residual oil	Sulfur content		Weight percent
<input type="checkbox"/>	Bituminous Coal		Subbituminous Coal	
	Coal sulfur content		Weight percent	Coal ash content
<input type="checkbox"/>	Other (please specify)			

7. Has a stack test been conducted (check appropriate box)? Yes No

If a stack test has been conducted, please attach a copy of the most recent stack test report to this application. If the Department already has a copy of the most recent stack test, please specify the date of most recent stack test.

Date of most recent stack test:

Control Equipment: If applicable, types of air pollution control equipment (Examples: baghouse, cyclone, wet scrubber, electrostatic precipitator, thermal oxidizer, miscellaneous control device, etc.).

Dry-low-NOx combustor design (not an add-on emission control device)

Please complete the appropriate air quality permit application form for each type of control equipment that controls air emissions from this operation.

Stack Information:** If this application is a renewal, contact the air program. We may have this information.

X- Coordinate or Easting:	<input type="text"/>	feet	<input type="text" value="693,317"/>	meters
Y- Coordinate or Northing:	<input type="text"/>	feet	<input type="text" value="4,939,314"/>	meters
Base Elevation of Stack:	<input type="text" value="1826"/>	feet	<input type="text" value="556.6"/>	meters
Stack Height:	<input type="text" value="105.5"/>	feet	<input type="text" value="32.16"/>	meters
Exit Stack Diameter	<input type="text" value="30"/>	feet	<input type="text" value="9.14"/>	meters
Exit Stack Temperature	<input type="text" value="1098"/>	degrees Fahrenheit		

Exit Stack Velocity and/or Flow Rate:

Velocity: feet per second meters per second

and/or

Flow Rate: actual cubic feet per minute actual cubic meters per second

*2,978 mmbtu/hr represents the maximum estimated heat input at -9.4°F (99% winter condition) of the three combustion turbine options currently under consideration.

**Note that the above stack data do not necessarily represent final design values.