

STATE OF WYOMING
 Department of Environmental Quality - Air Quality Division
 Permit Application

Reciprocating Engine Form

GENERAL INFORMATION

Company Name: _____
 Facility Name: _____

ENGINE DATA

Manufacturer: _____
 Model: _____
 No. of Cylinders: _____
 Compression Ratio: _____
 Serial Number: _____
 Date Ordered: _____
 Date Manufactured: _____

Type of Engine:
 4 Stroke Cycle: _____ 2 Stroke Cycle: _____

Fuel Data:
 Coal Bed Methane _____ Other: _____
 Engine Fuel Consumption (BTU/bhp-hr): _____
 Fuel Gas Heating Value (BTU/scf) _____

Nameplate

Site Rating

Operating Range

Horsepower: _____
 Speed (rpm): _____
 Exhaust Stack Height (m): _____ Diameter (m): _____ Temp. (K): _____ Velocity(m/s): _____

(Note units)

EMISSIONS DATA

NO _x		CO		VOC		HCHO	
g/hp-hr	lb/hr	g/hp-hr	lb/hr	g/hp-hr	lb/hr	g/hp-hr	lb/hr

Annual Operating Hours: _____

EMISSION CONTROL EQUIPMENT

Lean Burn: ___ NSCR Catalyst: ___ AFR controller: ___ SCR Catalyst: ___

Oxidation Catalyst: ___ Other: ___ Describe: _____

Best Available Control Technology control cost analysis attached: yes ___ no ___

ADDITIONAL INFORMATION REQUIRED

On separate sheets of paper, attach a copy of engine manufacturer's site rating, site emission estimates, general rating specification for engine model, and documentation of date of order and date of manufacture for each engine.