



PERMIT APPLICATION FOR INTERNAL COMBUSTION ENGINES AND TURBINES

NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF AIR QUALITY
SFN 8891 (3-2019)

NOTE: READ INSTRUCTIONS BEFORE COMPLETING THIS FORM.
- Must include SFN 8516 or SFN 52858

SECTION A – GENERAL INFORMATION

Name of Firm or Organization	Facility Name
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SECTION B – FACILITY AND UNIT INFORMATION

Source ID Number (From form SFN 8516)		
Type of Unit (check all that apply)	<input type="checkbox"/> Stationary Natural Gas-Fired Engine	<input type="checkbox"/> Emergency Use Only
	<input type="checkbox"/> Stationary Diesel and Dual Fuel Engine	<input type="checkbox"/> Non-Emergency Use
	<input type="checkbox"/> Stationary Gasoline Engine	<input type="checkbox"/> Peaking
	<input type="checkbox"/> Stationary Natural Gas-Fired Turbine	<input type="checkbox"/> Demand Response
	<input type="checkbox"/> Other – Specify:	

SECTION C – MANUFACTURER DATA

Make	Model	Date of Manufacture
Reciprocating Internal Combustion Engine		
<input type="checkbox"/> Spark Ignition		<input type="checkbox"/> Compression Ignition
<input type="checkbox"/> 4 Stroke	<input type="checkbox"/> 2 Stroke	<input type="checkbox"/> Rich Burn <input type="checkbox"/> Lean Burn
Maximum Rating (BHP @ rpm)	Operating Capacity (BHP @ rpm)	
Engine Subject to:		
<input type="checkbox"/> 40 CFR 60, Subpart IIII	<input type="checkbox"/> 40 CFR 60, Subpart JJJJ	<input type="checkbox"/> 40 CFR 63, Subpart ZZZZ
<input type="checkbox"/> 40 CFR 60, Subpart OOOO	<input type="checkbox"/> 40 CFR 60, Subpart OOOOa	
Turbine	Dry Low Emissions? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Heat Input (MMBtu/hr)	Maximum Rating (HP)	75% Rating (HP)
		Efficiency
Turbine Subject to: <input type="checkbox"/> 40 CFR 60, Subpart GG <input type="checkbox"/> 40 CFR 60, Subpart KKKK		

SECTION D – FUELS USED

Natural Gas (10 ⁶ cu ft/year)	Percent Sulfur	Percent H ₂ S
Oil (gal/year)	Percent Sulfur	Grade No.
LP Gas (gal/year)	Other – Specify:	

SECTION E – NORMAL OPERATING SCHEDULE

Hours Per Day	Days Per Week	Weeks Per Year	Hours Per Year	Peak Production Season (if any)
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SECTION F – STACK PARAMETERS

Emission Point ID Number		Stack Height Above Ground Level (feet)		
Stack Diameter (feet at top)	Gas Discharged (SCFM)	Exit Temp (°F)	Gas Velocity (FPS)	

SECTION G – EMISSION CONTROL EQUIPMENT

Is any emission control equipment installed on this unit?
 No Yes – Complete and attach form SFN 8532

SECTION H – MAXIMUM AIR CONTAMINANTS EMITTED

Pollutant	Maximum Pounds Per Hour	Amount (Tons Per Year)	Basis of Estimate*
NO _x			
CO			
PM			
PM ₁₀ (filterable and condensable)			
PM _{2.5} (filterable and condensable)			
SO ₂			
VOC			
GHG (as CO _{2e})			
Largest Single HAP			
Total HAPS			

* If performance test results are available for the unit, submit a copy of test with this application, if manufacture data used, submit manufacturers specification sheets.

IS THIS UNIT IN COMPLIANCE WITH ALL APPLICABLE AIR POLLUTION RULES AND REGULATIONS?
 YES NO

If "NO" a Compliance Schedule (SFN 61008) must be completed and attached.

Attach and label separate sheet(s) if you need more space to explain any system or answers or to provide complete listings of Emissions, Contaminants, or other items.

SEND COMPLETED APPLICATION AND ALL ATTACHMENTS TO:

North Dakota Department of Environmental Quality
 Division of Air Quality
 918 E Divide Avenue, 2nd Floor
 Bismarck, ND 58501-1947
 (701) 328-5188