# PERMIT APPLICATION FOR INTERNAL COMBUSTION ENGINES AND TURBINES

NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF AIR QUALITY
SFN 8891 (4-2026)

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 |
|---|---|
| | |

## SECTION B – FACILITY AND UNIT INFORMATION

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

## SECTION C – MANUFACTURER DATA

| Make | Model | Date of Manufacture |
|---|---|---|
| | | |

Reciprocating Internal Combustion Engine

☐ Spark Ignition ☐ Compression Ignition ☐ Lean Burn
☐ 4 Stroke ☐ 2 Stroke ☐ Rich Burn

| Maximum Rating (BHP @ rpm) | Operating Capacity (BHP @ rpm) |
|---|---|
| | |

Engine Subject to:
- ☐ 40 CFR 60, Subpart IIII
- ☐ 40 CFR 60, Subpart JJJJ
- ☐ 40 CFR 63, Subpart ZZZZ
- ☐ 40 CFR 60, Subpart OOOO (for compressors)
- ☐ 40 CFR 60, Subpart OOOOa (for compressors)

Turbine
Dry Low Emissions? ☐ Yes ☐ No

| Heat Input (MMBtu/hr) | Maximum Rating (HP) | 75% Rating (HP) | Efficiency |
|---|---|---|---|
| | | | |

Turbine Subject to:
☐ 40 CFR 60, Subpart GG ☐ 40 CFR 60, Subpart KKKK

## SECTION D – FUELS USED

| Natural Gas ($10^6$ cu ft/year) | Percent Sulfur | Percent $H_2S$ |
|---|---|---|
| | | |
| 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) |
|---|---|---|---|---|
| | | | | |

## 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
4201 Normandy Street, 2nd Floor
Bismarck, ND 58503-1324
(701) 328-5188