

**Instructions for Form GSP-2, Internal Combustion Engines Used as
Emergency Generators – General State Permit Registration Information**

This form is to be completed for all devices that the source wishes to have covered under the General State Permit for Internal Combustion Engines Used as Emergency Generators. There is space on the form for up to three devices. If more devices are to be registered, then use additional copies of the form.

At the top of the form state the Facility Name, the Town or City that the devices are located, the page number and the total number of pages (i.e. if only one form is submitted state that this is Page 1 of 1), and the current date.

For each device complete the following information:

- A. **Installation description:** State the name that the source uses to identify the device (e.g. Emergency Generator #1)
- B. **Previous Permit Number:** If the device was previously permitted, state the permit number. Examples of permit numbers: GSP-EG-001, TP-B-0001, PO-B-0001.
- C. **Date Installed:** State the date (month and year) that the device was installed.
- D. **Manufacturer:** State the manufacturer of the engine.
- E. **Model Number:** State the model number of the engine.
- F. **Serial Number:** State the serial number of the engine.
- G. **Fuel Type(s) Used:** State the type of fuel burned in the engine (e.g. diesel fuel, #2 fuel oil, natural gas)
- H. **Maximum Gross Heat Input Rate:** State the maximum gross heat input rate in units of million British thermal units per hour (MMBtu/hr). If this number is unknown, it can be calculated by multiplying the maximum fuel flow rate by the heating value of the fuel.¹
- I. **Maximum Fuel Flow Rate:** State the fuel flow rate for the device running at 100% capacity. Check off the appropriate units used; gallons per hour or cubic feet per minute.
- J. **Maximum Engine Output Rating:** State the maximum engine output rating for the device and check off the appropriate units; horsepower or kilowatts. This number should be equal to the number found on the nameplate attached to the device.

¹ Heating Values for common fuels – these numbers may be used to convert the fuel flow to the heat input rate of a device.

#6 fuel oil = 150,000 Btu/gal

#4 fuel oil = 145,000 Btu/gal

#2 fuel oil = 140,000 Btu/gal

diesel fuel = 137,000 Btu/gal

natural gas = 1,020 Btu/cf

propane (LPG) = 94,000 Btu/gal