

THIS IS A COURTESY COPY OF THIS NOTICE. THE OFFICIAL VERSION WILL BE PUBLISHED IN THE AUGUST 5, 2013 NEW JERSEY REGISTER. SHOULD THERE BE ANY DISCREPANCIES BETWEEN THIS TEXT AND THE OFFICIAL VERSION OF THE NOTICE, THE OFFICIAL VERSION WILL GOVERN.

## **ENVIRONMENTAL PROTECTION**

## **ENVIRONMENTAL MANAGEMENT**

## **DIVISION OF AIR QUALITY**

### **Notice of Administrative Change and Availability of General Operating Permit (GOP-003) for an Emergency Generator, N.J.A.C. 7:27-22.14**

**Take notice** that the Department of Environmental Protection (Department) is hereby, through this Notice of Administrative Change, announcing the availability of a general operating permit for an emergency generator at N.J.A.C. 7:27-22.14(b). This applies to 2007 model year or later engines with manufacturer certification showing compliance with New Source Performance Standards (NSPS) Subpart IIII emission standards for the applicable model year and maximum engine power.

A general operating permit is a standardized operating permit for certain equipment at major facilities (subject to Title V of the Federal Clean Air Act), which may be used to provide authorization to construct and operate that equipment. The applicability criteria set forth at N.J.A.C. 7:27-22.14, General Operating Permits, must be met, and the source(s) must be in compliance with all of the conditions of the general operating permit.

This general operating permit allows for the construction, installation, and operation of:

- A single emergency generator, 2007 model year or later, having a maximum heat input rate less than or equal to 30 million BTU per hour (MMBTU/hr) based on the higher heating value (HHV) of the fuel, and complying with the New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines 40 CFR 60 (NSPS Subpart IIII).

The Department published notice of this general operating permit in the January 7, 2013, New Jersey Register at 42 N.J.R. 2640(a), pursuant to the Air Pollution Control Act, N.J.S.A. 26:C-9.2h. Comments were received until February 6, 2013. The Department reviewed and evaluated the comments received and revised the general operating permit to incorporate the suggestions where appropriate. A summary of modifications made to the draft GOP-003 in response to comments is provided below. A detailed Response to Comment document is available at the Department's website located at [www.state.nj.us/dep/aqpp/rtc.html](http://www.state.nj.us/dep/aqpp/rtc.html).

### **Registration Form**

1. Table 4 was added to the registration form to convert the emission rate from units of grams per kilowatt hour (g/kW-hr) to grams per brake horsepower hour (g/HP-hr). If Table 4 is used, the permittee shall enter the calculated g/HP-hr emission rate into Table 2.
2. If the manufacturer provides only the oxides of nitrogen plus non-methane hydrocarbon ( $\text{NO}_x + \text{NMHC}$ ) emission rate, the permittee can use new Table 5 that was added to the registration form to calculate the g/hp-hr emission rates for

NO<sub>x</sub> and volatile organic compounds (VOCs). The separate NO<sub>x</sub> and VOC emission rates will be calculated using the manufacturer NO<sub>x</sub> + NMHC emission rate. Ninety-eight percent of the NO<sub>x</sub> + NMHC manufacturer emission rate is used for the NO<sub>x</sub> emission rate, and 10 percent of the NO<sub>x</sub> + NMHC manufacturer emission rate is used for the VOC emission rate to address the upper end of the range for each.

3. Table 2 was revised and now calculates the maximum rated heat input based on the maximum fuel input rate (gal/hr) entered by the Permittee and a diesel fuel heating value of 140,000 Btu/gal.

**GOP Section IV.2.b:**

GOP Section IV.2.b was revised to clarify that the maximum rated heat input (million BTU per hour or MMBtu/hr) is calculated and based on the maximum fuel input rate (gallons per hour or gal/hr) provided by the manufacturer.

**GOP Section VI Compliance Plan:**

The applicable requirement in Compliance Plan OS Summary Ref. #11, and OS1 through OS7 Ref. #3 was revised to clarify that it does not apply for emission rates that are below the reporting threshold of 0.05 lb/hr in the Appendix to N.J.A.C. 7:27-22.

**Notice of Administrative Change to N.J.A.C. 7:27-22.14(c)**

**Full text** of the changed rule follows (additions indicated in boldface **thus**; deletions indicated in brackets [thus]):

7:27-22.14 General operating permits.

(a)-(b) (No change.)

(c) A general operating permit is available for the following sources:

1. (No change.)

2. Combined heat and power (CHP) combustion turbines, as follows:

i. (No change.)

ii. Multiple CHP combustion turbines, with or without duct burners, that have a combined total maximum heat input rate, including any duct burner heat input, less than or equal to 65 MMBTU/hr;[ and]

3. Combined heat and power (CHP) stationary spark ignition reciprocating engines, as follows:

i. (No change.)

ii. Multiple CHP stationary spark ignition reciprocating engines, with or without duct burners, that have a combined total maximum heat input rate, including any duct burner heat input, less than or equal to 65 MMBTU/hr[.]; **and**

**4. A single emergency generator, 2007 model year or later, having a maximum heat input rate less than or equal to 30 million BTU per hour (MMBTU/hr) based on the higher heating value (HHV) of the fuel, and complying with the New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60 (NSPS Subpart IIII). The general operating permit is titled, Emergency Generator (GOP-003).**

(d) – (f) (No change.)