

GOP-003 Emergency Generator

Please note that the system will log you out after 15 minutes of inactivity. If entering a large amount of data, please click on the Save button periodically to save data and reset the 15 minute timer. From the Certification page, you can use the menu on the left-hand side of the page to return to this screen and add additional data if necessary.

Section B: Reason for Applying

- ☐ By clicking the box you are confirming that the proposed equipment meets the requirements of GOP-003 and is not currently permitted in a facility's approved Title V Operating Permit 2007 model year or later compression ignition engine, EPA certified, and complies with the NSPS IIII emission standards for the equipment model, year and maximum engine power.

Section C: Inventories

The Applicant may review the current list of Equipment (E) Numbers, Emission Unit (U) Numbers and Emission Point (PT) Numbers, on record for the Facility and input a unique Number. **Note that you may leave these fields blank and the Department will automatically assign the next available number for these items.**

Note: The Applicant does not need to complete the NJID fields but must fill out all required facility designations and descriptions. Required fields are indicated by an asterisk (*).

Please note that numbers should not contain any characters other than a decimal point (i.e., 1000.0 not 1,000.0). Failure to do so could result in an errored submission.

Equipment Associated with this General Operating Permit.

NJID #	*Facility Designation	*Install. Date (mm/dd/yyyy)	Last Mod. Date (mm/dd/yyyy)	*Equipment Type	*Equipment Make	*Equipment Manufac.	*Year Manufac.	*Equipment Model	*Model Year	*Max. Rated Heat Input (MMBTU/hr (HHV))	*Manufacturer data, kW	*Manufacturer data, HP	*Displacement Liters per cylinder
E-				<input type="radio"/> Emerg. Gen. <input type="radio"/> Fire Pump									

Note: For an Emergency Generator (not a fire pump), Displacement shall be less than 10 Liters per cylinder.

Review Equipment

U NJID #	*Facility Designation
U-	

Review Emission Units

*Fuel Type:

Select the Fuel Type associated with this piece of equipment from the options below.

Emission Point Associated with this General Operating Permit.

NJID #	*Facility Designation	*Configuration	*PT Equip. Diam (in.)	*Height (ft)	*Distance to Property Line (ft)	*Exhaust Temp (deg. F)	*Exhaust Vol (acfm)	*Discharge Direction
PT-								

Review Emission Points

PT Equivalent Diameter Calculator:

Please use the calculator below to determine the PT Equivalent Diameter above from length and width measurements.

Length (in.)	Width (in.)	Equivalent Diameter (in.)

Potential to Emit (PTE) Calculations

ENTER ALL INFORMATION IN THE TABLE BELOW. DATA MUST BE FROM SPECIFICATIONS PROVIDED BY THE EQUIPMENT MANUFACTURER OR AS CALCULATED USING CONVERSIONS BELOW, AS APPLICABLE.

kW	HP	*Hours/Year	*VOC g/HP-hr	*NOx g/HP-hr	*CO g/HP-hr	*TSP g/HP-hr	*PM-10 g/HP-hr

Hours/Year must be based on hours for testing and maintenance only and must not exceed 100 hours per year, as recommended in writing by the manufacturer or the requirements of a federal or state law or regulation.

If g/HP-hr are not available from the manufacturer, the permittee may use the tables below for conversion.

Use the table below to convert manufacturer's emission rates from g/kW per hour to g/HP per hour.

	VOC	NOx	CO	TSP	PM-10	NOx+NMHC
g/kW-hr						
g/HP-hr						

Use the table below to convert manufacturer's emission rate of NOx + NMHC to NOx and VOC if NOx and VOC emission rates are not available from the manufacturer.

	NOx+NMHC	NOx	VOC
g/HP-hr			

PTE Calculations

PTE will be calculated automatically using the data entered above for HP, g/HP-hr and hours of testing and maintenance.

	VOC	NOx	CO	TSP	PM-10
lb/hr	0	0	0	0	0
tpy	0	0	0	0	0

Section D: Permitting Options

This General Operating Permit covers a single emergency generator or fire pump.

The table below lists the appropriate Permitting Options based upon type of engine, size, model year and displacement. The appropriate option will be selected once the corresponding values in the Equipment table above are entered.

If a row is not selected below, check the entries in the Equipment table to ensure they are correct.

Permitting Option	Type of Engine	Size	Model Year	Displacement (Liters/Cylinder)	Selected
EG-003-1	Emergency Generator	75 <= kW < 130 (100 <= HP < 175)	2007 Model Year or Later	<10	
EG-003-2	Emergency Generator	130 <= kW < 560 (175 <= HP < 750)	2007 Model Year or Later	<10	
EG-003-3	Emergency Generator	560 <= kW <= 2237 (750 <= HP <= 3000)	2007 Model Year or Later	<10	
EG-003-4	Emergency Generator	kW > 2237 (HP > 3000)	2011 Model Year or Later	<10	
EG-003-5	Emergency Fire Pump	75 <= kW < 130 (100 <= HP < 175)	2010 Model Year or Later	<30	
EG-003-6	Emergency Fire Pump	130 <= kW <= 560 (175 <= HP <= 750)	2009 Model Year or Later	<30	
EG-003-7	Emergency Fire Pump	kW > 560 (HP > 750)	2008 Model Year or Later	<30	