



**ATTENTION: Emergency Generator Owners and Operators  
New Record Keeping Requirements and Revised General Permit Issued by NJDEP**

New Jersey Department of Environmental Protection recently made changes to the rules for emergency generators. New record keeping requirements will be required starting March 7, 2007 for all emergency generators over 50 horsepower, even those that do not need a permit. In addition, the Emergency Generator General Permit (GP-005) has been revised and is operative as of February 1, 2007.

**New Record Keeping Requirements**

Any facility with an emergency generator with a rated capacity larger than 37 kilowatts (50 horsepower) is affected by the new record keeping requirements **even if no air pollution permit is required.**

The new record keeping requirements are the same as required under the revised general permit. A permit is required if the generator has greater than 1 MMBtu/hr heat input.

As of March 7, 2007, the facility shall maintain records onsite containing:

1. The total operating time from the generator's hour meter, once/month
2. Each time the generator is specifically operated for testing and maintenance
  - a. Reason for operation
  - b. Date and start up/shut down time of operation
  - c. Total operating time for testing or maintenance based on the generator's hour meter
  - d. Name of operator
3. A copy of voltage reduction notification from PJM (i.e. the Pennsylvania, New Jersey, and Maryland grid) or other documentation, if used for voltage reduction

Routine maintenance or testing may **not** be performed if poor air quality is expected. The NJDEP website ([www.state.nj.us/dep/aqpp/aqforecast/index.htm](http://www.state.nj.us/dep/aqpp/aqforecast/index.htm)) shows the predicted air quality for facilities to determine if testing or maintenance is allowed.

Emergency generators may not be operated for peak shaving or for any non-emergency use to reduce electrical demand. They are only allowed to operate for emergencies or for testing and maintenance under the above conditions.

**Revised General Permit**

GP-005 was revised in order to:

1. Incorporate the requirements of revised NOx control requirements (NJAC 7:27-19),
2. Incorporate the USEPA proposed New Source Performance (NSPS) requirements for Emergency Generators (40 CFR 60.4207 Subpart IIII), and
3. Allow a facility to combine all applicable Emergency Generators into one permit.

The new General Permit is not yet available through NJDEP Online. A paper application can be downloaded from the website and mailed in with the \$350.00 application fee.

Listed below are some of the major changes to the emergency generator general permit:

Criteria	Newly Revised GP-005	Previous GP-005
Allows for construction, installation, reconstruction, modification and operation of	<b>Single</b> stationary reciprocating internal combustion engine with a maximum rated heat input of < 80 MMBTU/hr	<b>Single</b> emergency generator which operates <500 hrs/yr  <b>And</b>

	<b>Or</b>	A maximum rated capacity $\leq 15$ MMBTU/hr for #2 fuel oil, diesel or kerosene
	<b>Multiple</b> stationary reciprocating internal combustion engines with a combined maximum rated heat input of < 80 MMBTU/hr  <i>(applicable for all fuel types)</i>	<b>Or</b>
		A maximum rated capacity of $\leq 40$ MMBTU/hr for natural gas or propane
May be used for	Emergency; voltage reduction/brownout; federal or state mandatory testing and maintenance; normal testing and maintenance when air quality forecasts are good ( <i>New record keeping and usage requirements described above are also applicable</i> )	Involuntary power curtailment; power unavailability; maintenance; testing
Potential to Emit	For all fuels, there are 10 categories of emissions limits based on operating hours and total capacity of all equipment	Depending on fuel type, emission limits are based on operating hours and total capacity, or fuel usage
Type of fuels allowed	#2 fuel oil, diesel, kerosene, natural gas, propane	#2 fuel oil, diesel, kerosene, natural gas, propane
Air contaminants monitored	TSP, SO <sub>x</sub> , NO <sub>x</sub> , CO, VOC	TSP, SO <sub>x</sub> , NO <sub>x</sub> , CO, VOC
Max # of GP-005 per facility	One	Many
Opacity	- No visible emissions greater than 20% opacity or >1 on Riegelmann smoke chart for 10 seconds  - Monitor by visible determination annually based on 10 second rolling averages  - Notify NJDEP by phone immediately upon exceeding permit limits	- No visible emissions greater than 20% opacity for 10 seconds  - Observe the stack once a month if equipment used for >2 continuous hours during month  - Report in writing if emissions are not corrected in 24 hours
Fuel content	Current limit is less than 0.2% sulfur by weight. For generators manufactured after 4/1/06, starting 10/1/07 max sulfur content will be 500 ppm (0.05%) and 10/1/10 max sulfur content will be 15 ppm (0.0015%)	Based on geographic location (county) of facility; 0.2%-0.3% sulfur by weight