



**THE CITY OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Form AR504 – Rev. 08/14

Bureau of Environmental Compliance  
59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
Records Control (718) 595 – 3855

# ENGINES AND GENERATORS DETERMINATION OF FILING REQUIREMENTS

**APPLICABILITY FOR REGISTRATION:**

For engines and generators, registrations using the AR 504 form are required for:

- Emergency and portable engines and generators that are equal to or greater than 36 kW; or
- Stationary engines and generators that are equal to or greater than 36 kW but less than 280 kW (48 to 375 hp output).

**APPLICABILITY FOR WORK PERMIT/CERTIFICATE TO OPERATE:**

Stationary engines and generators that are equal to or greater than 280 kW (375 hp) or 2.8 million Btu/hr input are required to file for work permit/certificate to operate using the industry process permit application form:

[http://www.nyc.gov/html/dep/pdf/air/industrial\\_processes.pdf](http://www.nyc.gov/html/dep/pdf/air/industrial_processes.pdf)

**EXEMPTION:**

Engines and generators that are less than 36 kW (48 hp) are not required to file with the NYCDEP Bureau of Environmental Compliance.

Applicability is based on a per unit basis. Multiple units with the same make and model and fuel usage can be filed on one Registration form / a single Work Permit Application.

**DEFINITIONS:**

1. Emergency generator means an internal combustion engine that operates as a mechanical or electrical power source only when the usual source of power is unavailable. The definition establishes that emergency generators:
  - Are internal combustion engines sized equal to or greater than 36 kW (48 hp)
  - Are permanently connected to the electrical system of a building,
  - Operate only when the usual supply of power is unavailable (not for peak shaving), and
  - Operate for no more than 500 hours per year.
2. Portable means designed and capable of being carried or moved from one location to another. Portable equipment will not remain at the same location or facility for more than twelve consecutive months.

**FEE SCHEDULE FOR ENGINES AND GENERATORS BASED ON GROSS INPUT**

FEE	GROSS INPUT IN MILLION BTU/HR		
<b>\$110</b>	0.350	to less than	1
<b>\$190</b>	1	to less than	2.8
<b>\$345</b>	2.8	to less than	10
<b>\$470</b>	10	to less than	20
<b>\$595</b>	20	to less than	35
<b>\$700</b>	35	to less than	50
<b>\$830</b>	50	to less than	70
<b>\$940</b>	70	to less than	100
<b>\$1,440</b>	100	to less than	140

**FEE SCHEDULE FOR ENGINES AND GENERATORS BASED ON GROSS OUTPUT (KW)**

FEE	kW RATING (HP OUTPUT)		
<b>\$110</b>	36 kW (48 hp)	to less than	103 kW (138 hp)
<b>\$190</b>	103 kW (138 hp)	to less than	280 kW (375 hp)
<b>\$345</b>	280 kW (375 hp)	to less than	1,025 kW (1,375 hp)
<b>\$470</b>	1,025 kW (1,375 hp)	to less than	2,050 kW (2,750 hp)
<b>\$595</b>	2,050 kW (2,750 hp)	to less than	3,600 kW (4,828 hp)
<b>\$700</b>	3,600 kW (4,828 hp)	to less than	5,100 kW (6,840 hp)
<b>\$830</b>	5,100 kW (6,840 hp)	to less than	7,200 kW (9,655 hp)
<b>\$940</b>	7,200 kW (9,655 hp)	to less than	10,250 kW (13,745 hp)
<b>\$1,440</b>	10,250 kW (13,745 hp)	to less than	14,300 kW (19,176 hp)

*Fee schedule based on a conversion from Btu/hr as defined in the NYC Air Pollution Control Code to kilowatts using an engine efficiency of 35%.*

*Fee is the higher amount from either gross input or gross output and is based on each unit. For cogeneration or equipment with engines and heaters, the fee is based on total maximum heat input of the unit.*

*For any unit greater than 140 million Btu/hr gross input (14,300 kW) contact DEP.*



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**APPLICATION FOR REGISTRATION**  
**INTERNAL COMBUSTION FUEL BURNING EQUIPMENT**  
**FORM AR-504**

**YOU MUST FILL OUT THESE FORMS COMPLETELY.**  
INCOMPLETE FORMS WILL NOT BE ACCEPTED

**WHAT TO SUBMIT WITH THESE FORMS:**

1. Fee. Check or Money Order made payable to New York City Department of Environmental Protection

**WHERE TO SUBMIT THESE FORMS:**

Please complete and submit this form in person or by mail to NYC Department of Environmental Protection, Bureau of Environmental Compliance, 59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373.

- BUSINESS OWNER / REPRESENTATIVE INFORMATION:** Applications must be filed / signed by the **owner of the equipment**. If the applicant is a partnership or group other than a corporation, the application must be made by one individual who is a member of the group. If the applicant is a corporation, the application must be made by an officer of the corporation. **NAICS Code** refers to the North American Industry Classification System; please visit <http://www.census.gov/eos/www/naics/> to find the NAICS Code that applies to your business.
- PREMISE INFORMATION:** This is the address where the Internal Combustion Fuel Burning Equipment is located / stored. Fill out the "Building Owner's" information if the business owner and building owner (where the equipment is located) is not the same person. If the equipment is portable, enter "Various Locations" as the premise address.
- EQUIPMENT INFORMATION:** Name of manufacturer and model number. This is usually found on the name plate.
- SERIAL #:** Equipment Serial Number; usually found on the name plate.
- MULTIPLE SERIAL NUMBERS:** Provide the serial numbers for each identical unit. Do not submit separate registration forms for identical units at one location.
- ENGINE MODEL YEAR:** Model year of engine used in equipment; usually found on the engine label.
- EPA ENGINE FAMILY NAME:** Equipment Engine Family Name; usually 11 or 12 digits long and found on the engine label.
- EPA TIER:** EPA Emission Tier; usually found on equipment specification sheet or manufacturers website.
- DISPLACEMENT:** Engine Displacement (Liters); usually found on engine label.
- FUEL TYPE:** Indicate the fuel type used in the equipment you are registering (#2, Biodiesel, Natural Gas only).
- MAXIMUM FUEL DELIVERY RATE:** Indicate the maximum rate of fuel delivery in either gallons per hour (GPH) or cubic feet per hour (CFH).
- KW RATING (IF APPLICABLE):** Equipment KW Rating.
- HORSEPOWER:** Equipment Horsepower, usually found on the name plate.
- GROSS INPUT (BTU/HOUR):** Equipment Gross Input (BTU/Hour); usually found on the name plate.
- PRIMARY USE:** Indicate the primary use of the generator: Portable, Emergency, Stationary.
- NOISE CONTROL:** Please identify the noise control device that will be used with this equipment (i.e. muffler, etc.).



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FORM AR-504**

<b>PREMISE INFORMATION</b> <small>(Location where the process is to take place)</small>	Building Owner's Name			Owner's Telephone		Date
	Building Owner's Address			Borough / City	State	Zip
	PREMISE HOUSE NUMBER	PREMISE STREET NAME	PREMISE NAME (IF ANY)		BOROUGH	ZIP
	Floor:	Room Number (if any):	BIN:	Block:	Lot:	Number of Stacks:

<b>BUSINESS INFORMATION</b>	Full Business Name / If individual then Owner's Name		NAICS Code	Business Representative / Agent's Name		Telephone
	Business' Address / Owner's Address		Telephone	Business Representative / Agent's Address		
	City / Borough	State	Zip Code	City / Borough	State	Zip Code
	<b>Select type of ownership:</b> <input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Partnership <input type="checkbox"/> LLC <input type="checkbox"/> Corporation <input type="checkbox"/> Other: _____			<b>Title:</b> <input type="checkbox"/> Owner <input type="checkbox"/> President <input type="checkbox"/> Treasurer <input type="checkbox"/> Partner <input type="checkbox"/> Secretary <input type="checkbox"/> Other: _____		

**EQUIPMENT INFORMATION:**

Manufacturer:	Model #:		Serial #:	<small>Multiple serial numbers should be entered in the space provided below</small>		
Engine Model Year:	EPA Engine Family Name:	EPA Tier:	Displacement:	<small>Liters</small>		
Fuel Type:	Maximum Fuel Delivery Rate:		or			
			<small>Gallons Per Hour</small>		<small>Cubic Feet Per Hour</small>	
KW Rating:	Horsepower:	Gross Input:				
<small>(If Applicable)</small>			<small>BTU Per Hour</small>			

<b>USAGE INFORMATION</b>			<b>Average Use:</b>		
Primary Use:	Noise Control:				
			<small>Hours / Day</small>	<small>Day / Week</small>	<small>Weeks / Year</small>

**MULTIPLE SERIAL NUMBERS**


"I hereby affirm under penalty of perjury that the information provided on this form is true to the best of my knowledge and belief and that the equipment will be operated in accordance with the requirements of the Air Pollution Control Code, Chapter 1 of Title 24, New York City Administrative Code, and appropriate requirements of other agencies. I recognize that false statements are punishable as a misdemeanor pursuant to Section 24-190 of the Air Pollution Control Code and Section 210.45 of the Penal Law."

\_\_\_\_\_  
 Owner /  Representative / Agent Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name

**FOR DEPARTMENT USE ONLY**

REGISTRATION #:	<input type="checkbox"/> PA	<input type="checkbox"/> PB	
<input type="checkbox"/> APPROVED	<input type="checkbox"/> DISAPPROVED		

REVIEW DATE:	
EXPIRATION DATE:	