



City of Albuquerque

Environmental Health Department
Air Quality Program

Please mail this application to P.O. Box 1293, Albuquerque, NM 87103
or hand deliver between 8:00am - 5:00pm Monday - Friday to:
3rd Floor, Suite 3023 - One Civic Plaza NW, Albuquerque, New Mexico 87103
(505) 768 - 1972 aqd@cabq.gov (505) 768 - 1977 (Fax)



20.11.41 NMAC Air Quality Permit Application
For
EMERGENCY DIESEL ENGINES
SUBJECT TO FEDERAL (USEPA) NEW SOURCE PERFORMANCE STANDARDS (NSPS)

Section 1. General Information

Date Submitted: ___ / ___ / 20___

- 1. Company Name: ___ Ph: (___) ___ Email: ___
2. Company Address: ___ City: ___ State: ___ Zip: ___
3. Company Mailing Address (if different): ___ Zip: ___
4. Company Contact: ___ Title: ___ Ph: (___) ___ - ___ Email: ___
5. Facility Name: ___ Facility Hours: ___:___ am or pm TO ___:___ am or pm
6. Facility Address: ___ City: ___ State: ___ Zip: ___
7. Local Business Mailing Address (if different): ___ Email: ___
8. Facility Environmental Contact: ___ Title: ___ Ph: (___) ___ - ___ Fax:(___) ___ - ___
9. Email: ___ 10. Type of Business: ___
11. Environmental Consultant Name and Email Address (if applicable): ___
12. North American Industry Classification System (NAICS): ___ 13. Standard Industrial Classification (SIC): ___
14. UTM coordinates (required): ___ east ___ north 15. Facility Ph: (___) ___ - ___ Fax:(___) ___ - ___
16. Billing Contact: ___ Title: ___ Ph: (___) ___ - ___ Fax:(___) ___ - ___
17. Billing Address: ___ City: ___ State: ___ Zip: ___
18. Is this an Initial Installation; OR Modification of an Existing Unit: ___ Initial ___ Modification 19. Current or requested operating hrs/yr: ___
20. Is engine or genset installed: ___ Yes ___ No If yes, date installed: ___/___/___ If no, anticipated installation date: ___/___/20___

Provide an engine spec sheet and a detailed site plan or plat of the property where engine or genset is to be installed.

Section 2. Compression Ignition Internal Combustion Engine for Stationary Emergency Engines

Provide engine rating in horsepower (Hp) as determined by manufacturer's spec sheet.

Table with 8 columns: Process Equipment Unit, Manufacturer, Model Number, Serial Number, Manufacturer Date, Modification Date, Engine Size In Horsepower (Hp), Size of Generator In kilowatts (kW). Includes example rows for Engine and Generator.

Section 3. Stack and Emissions Information

Table with 3 columns: Stack Height Above Ground & Stack Diameter In Feet, Stack Temperature, Stack Flow Rate & Exit Direction. Includes example row with values: 18 feet - Height, 0.42 feet - Diameter, 625 °F, 3,000 ft³/min - Flow Rate Exit - upward.

**Federal New Source Performance Standards (NSPS) for Stationary EMERGENCY Diesel Engines (40CFR 60.4202 & 60.4205)
in Grams Per Horsepower Hour (g/hp-hr) for Engines with a displacement of < 10 Liters Per Cylinder**

Horsepower / kW	Tier (CFR Section)	Year Of Manufacture	CO (g/hp-hr)	NOx ¹ (g/hp-hr)	NMHC ¹ (g/hp-hr)	NOx + NMHC ¹ (g/hp-hr)	SOx ² (g/hp-hr)	Particulate Matter (PM) (g/hp-hr)	Notes
< 11 Hp < 8 kW	1 (60.4205)	Pre 2007 ³	6.0			7.8	0.93*	0.75	* Use AP-42 Section 3.3 SOx factors if <600Hp and Section 3.4 if >600Hp, as shown on this table, or manufacturer's factors. Manufacturer's factors shall be used when larger than AP-42 factors.
	2 (60.4202) - (89.112)	2007	6.0			5.6	0.93*	0.6	
	4 (60.4202)	2008 +	6.0			5.6	0.93*	0.3	
≥ 11 Hp < 25 Hp ≥ 8 kW < 19 kW	1 (60.4205)	Pre 2007 ³	4.9			7.1	0.93*	0.6	
	2 (60.4202) - (89.112)	2007	4.9			5.6	0.93*	0.6	
	4 (60.4202)	2008 +	4.9			5.6	0.93*	0.3	
≥ 25 Hp < 50 Hp ≥ 19 kW < 37 kW	1 (60.4205)	Pre 2007 ³	4.1			7.1	0.93*	0.6	
	2 (60.4202) - (89.112)	2007	4.1			5.6	0.93*	0.45	
	4 (60.4202)	2008 +	4.1			5.6	0.93*	0.22	
≥ 50 Hp < 100 Hp ≥ 37 kW < 75 kW	1 (60.4205)	Pre 2007 ³	3.03**	6.9	1.12**		0.93*	1.0**	** Use AP-42 Section 3.3 factors for CO, NMHC, and PM as shown on this table, or manufacturer's factors. Manufacturer's factors shall be used when larger than AP-42 factors.
	2 (60.4202) - (89.112)	2007	3.7			5.6	0.93*	0.3	
	3 (60.4202) - (89.112)	2008 +	3.7			3.5	0.93*	0.3	
≥ 100 Hp < 175 Hp ≥ 75 kW < 130 kW	1 (60.4205)	Pre 2007 ³	3.03**	6.9	1.12**		0.93*	1.0**	
	3 (60.4202) - (89.112)	2007 +	3.7			3.0	0.93*	0.22	
≥ 175 Hp ≤ 750 Hp ≥ 130 kW ≤ 560 kW	1 (60.4205)	Pre 2007 ³	8.5	6.9	1.0		0.93*for < 600Hp or 3.67* for > 600Hp	0.4	
	3 (60.4202) - (89.112)	2007 +	2.6			3.0		0.15	
> 750 Hp > 560 kW	1 (60.4205)	Pre 2007 ³	8.5	6.9	1.0		3.67	0.4	
	3 (60.4202) - (89.112)	2007***	2.6			4.8		0.15	
	*** 2007 – 2010 Model Year Engines > 3,000 Hp shall meet the Pre 2007 standards and beginning with the 2011 model year, Engines > 3,000 Hp shall meet the 2007 standards								

¹ When an emission factor is given for combined NOx + NMHC, individual emission factors for NOx and NMHC must be obtained from the manufacturer.

² SOx emission factors shall be based on AP-42 Section 3.3 for engines less than (<) 600 Hp and Section 3.4 for engines greater than (>) 600 Hp, or manufacturer's factors since SOx emission standards were not established for non-road diesel engine rulemaking. Manufacturer's factors shall be used when larger than the AP-42 factors. For engines > 600 Hp, the "S" multiplier is 0.05 (5%) if calculating SOx to reflect the current low sulfur diesel fuel standard of 500 ppm. Percent sulfur in diesel fuel transitions to Ultra Low Sulfur Diesel (15 ppm) by October 2010. For engines operated after October 2010, with a year of manufacture of 2010 or later, the "S" multiplier is 0.0015 (0.15%) if calculating SOx to reflect the proposed new standard.

³ Pre 2007 means each stationary Compression Ignition Internal Combustion Engine (CI ICE) whose construction, modification or reconstruction commenced after July 11, 2005. The date of construction is the date the engine is ordered by the owner or operator. Stationary CI ICE manufactured prior to April 1, 2006, that are not fire pump engines are not subject to NSPS, unless the engines are modified or reconstructed after July 11, 2005. A modified or reconstructed CI ICE must meet the emission standards for the model year in which the engine was originally new, not the year the engine is modified or reconstructed (Preamble language – Section II. E).