Albuquerque Environmental Health Department
Air Quality Division
(505) 768-1972

20.11.41 NMAC Air Quality Permit Application for GASOLINE OR DIESEL INTERNAL COMBUSTION EMERGENCY ENGINE/GENERATOR

METHOD OF SUBMITTAL

HAND DELIVER (8:00am – 4:00pm Monday – Friday) TO:	MAIL TO:
Albuquerque Environmental Health Department Air Quality Division 11850 Sunset Gardens SW Albuquerque, NM 87121	Albuquerque Environmental Health Department Air Quality Division 11850 Sunset Gardens SW Albuquerque, NM 87121

Section 1. General Information

Date Submitted: _____ / _____ / _____

1. Company Name: _____ Ph: (____)_____ Fax:(____)_____
2. Company Address: _____ City _____ State _____ Zip_____
3. Company Mailing Address (if different): _____ Zip_____
4. Company Contact: _____ Title: _____ Ph: (____)_____ Fax:(____)_____
5. Business (Facility) Name:_____ Business Hours:_____ am or pm TO _____am or pm
6. Local Business Address_____ City _____ State _NM_ Zip_____
7. Local Business Mailing Address (if different): _____ Zip _____
8. Business Contact: _____ Title: _____ Ph: (505)_____ Fax:(505)_____
9. Type of Business_____ 10. UTM coordinates (if available): _____ east _____ north
11. North American Industry Classification System (NAICS): _____ 12. Standard Industrial Classification (SIC): _____

(Please provide a detailed hand drawing, site plan or survey of the property showing where the engine/generator is to be installed along with an engine/generator spec sheet if available)

13. Is this a replacement or modification of an existing engine/generator? _____ Yes _____ No
14. Is new engine/generator installed? ___ Yes ___ No If yes, date installed: ___/___/___ If no, anticipated installation ____/____/___
15. Current or requested operating times of facility _____ hours/day _____ days/week _____ weeks/month _____ months/year

Section 2. Internal Combustion Engine/Generator Information

Please provide Engine rating in horsepower (Hp). If only kilowatt (kW) rating is known, use the following to convert to Hp: kW x 1.341 = Hp

Process Equipment Unit	Manufacturer	Model Number	Serial Number	Manufacturer Date	Installation Date	Modification Date	Size of Engine In Hp – Hour	Size of Generator In kilowatts (kW)
Example Engine	Unigen	B-2500	A56732195C-222	07/96	07/97	N/A	250 Hp-Hr.	N/A
Example Generator	Gentor	A56789B234	XYZ13247586	07/96	07/97	N/A	N/A	175 kW
Engine								N/A
Generator							N/A	

Section 3. Fuel, Storage, Stack and Emissions Information

Engine Fuel Type	Fuel Tank Capacity	Tank Above or Below Ground	Pollutant (CO, NO_x, VOC, SO_x, PM)	Stack height & Diameter In feet	Stack Temp	Stack Flow Rate And exit direction
Example Diesel	500 gal.	Above	CO, NO_x, VOC, SO_x, PM	18 ft – H 0.42 ft – D	225 ^0F	6,000 ft^3/min Exit - upward

Construction, Installation, or Operation of an engine shall not take place until a 20.11.41 NMAC Air Quality permit is issued.

Section 4. Potential Emission Rates (PER) or Uncontrolled Emissions

To calculate emissions in the table below, use the EPA Emission Factors (Given) OR Manufacturers Emission Factors in (lbs/Hp-hr) if available.
Note: Choose the factors (EPA or Manufacturers) that will generate the highest Lbs/Hr and Tons/Year emission rate for EACH pollutant.

Engine Fuel Type	Pollutants	EPA Emission Factors (Lbs/ Hp–hour)	Manufacturers Emission Factors (Lbs/ Hp–hour)	TIMES	Size of Engine In Horsepower-Hour	EQUALS	Emissions in Lbs / Hour	TIMES	Potential Operating Hours / Year	DIVIDE	Pounds Per Ton	EQUALS	Emission In Tons / Year
Gasoline	CO	0.439		x		=		x	8,760	÷	2,000	=	
	NO_x	0.011		x		=		x	8,760	÷	2,000	=	
	VOC	0.015		x		=		x	8,760	÷	2,000	=	
	SO_x	0.000591		x		=		x	8,760	÷	2,000	=	
	PM	0.000721		x		=		x	8,760	÷	2,000	=	
Diesel ≤ 600 Hp	CO	0.00668		x		=		x	8,760	÷	2,000	=	
	NO_x	0.031		x		=		x	8,760	÷	2,000	=	
	VOC	0.00247		x		=		x	8,760	÷	2,000	=	
	SO_x	0.00205		x		=		x	8,760	÷	2,000	=	
	PM	0.0022		x		=		x	8,760	÷	2,000	=	
Diesel > 600 Hp	CO	0.0055		x		=		x	8,760	÷	2,000	=	
	NO_x	0.024		x		=		x	8,760	÷	2,000	=	
	VOC	0.000705		x		=		x	8,760	÷	2,000	=	
	SO_x	0.00809		x		=		x	8,760	÷	2,000	=	
	PM	0.0007		x		=		x	8,760	÷	2,000	=	

Section 5. Controlled Emission Rates (Requested Permitted Allowable Rates)

If using the same emission factors as above to calculate the Controlled Emission Rates, start the table below by transferring the Emissions in Lbs/Hour from the column above and then complete the remainder of the equation starting with the Requested Operating Hours/Year.
Note: You may choose different factors for calculating Controlled Emission Rates, however the Engine must meet the Lbs/Hour rate given for each pollutant if performance testing is requested.

Engine Fuel Type	Pollutants	EPA Emission Factors (Lbs/ Hp–hour)	Manufacturers Emission Factors (Lbs/ Hp–hour)	TIMES	Size of Engine In Horsepower-Hour	EQUALS	Emissions in Lbs / Hour	TIMES	Requested Operating Hours / Year	DIVIDE	Pounds Per Ton	EQUALS	Emission In Tons / Year
Gasoline	CO	0.439		x		=		x		÷	2,000	=	
	NO_x	0.011		x		=		x		÷	2,000	=	
	VOC	0.015		x		=		x		÷	2,000	=	
	SO_x	0.000591		x		=		x		÷	2,000	=	
	PM	0.000721		x		=		x		÷	2,000	=	
Diesel ≤ 600 Hp	CO	0.00668		x		=		x		÷	2,000	=	
	NO_x	0.031		x		=		x		÷	2,000	=	
	VOC	0.00247		x		=		x		÷	2,000	=	
	SO_x	0.00205		x		=		x		÷	2,000	=	
	PM	0.0022		x		=		x		÷	2,000	=	
Diesel >600 Hp	CO	0.0055		x		=		x		÷	2,000	=	
	NO_x	0.024		x		=		x		÷	2,000	=	
	VOC	0.000705		x		=		x		÷	2,000	=	
	SO_x	0.00809		x		=		x		÷	2,000	=	
	PM	0.0007		x		=		x		÷	2,000	=	

I, the undersigned, a responsible officer of the applicant company, certify that to the best of my knowledge, the information stated on this application, together with associated drawings, specifications, and other data, give true and complete representation of the existing, modified existing, or planned new stationary source with respect to air pollution sources and control equipment. I also understand that any significant omissions, errors, or misrepresentations in these data will be cause for revocation of part or all of the resulting registration or permit.

Note: The following shall be protected as confidential if requested (checked) by the applicant

- ❑ Any information relating to processes or production techniques, which are unique to owner / operator
- ❑ Data relating to owner / operator profits and costs, which have not previously been made public

Print Name _____ Sign Name _____ Title _____ Date _____