Albuquerque Environmental Health Department - Air Quality Division
11850 Sunset Gardens SW – Albuquerque, NM 87121
(505) 768-1972 (Voice) 1-800-659-8331 (NM Relay) (505) 768-1977 (Fax)

Application for Source Registration, Authority to Construct for
Regulated Air Contaminant Sources in Bernalillo County (20.11.40 NMAC, 20.11.41 NMAC)
For
ENGINES NOT SUBJECT TO FEDERAL NEW SOURCE PERFORMANCE STANDARDS (NSPS)
NON-EMERGENCY GASOLINE OR DIESEL INTERNAL COMBUSTION ENGINE/GENERATOR

Section 1. General Information

Date Submitted: _____ / _____ / 20_____

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. Facility Name:_____ Facility Hours:_____:_____ am or pm TO _____:_____am or pm
6. Facility Address:_____ City: _____ State: _NM_ Zip:_____
7. Local Business Mailing Address (if different): _____ Zip: _____
8. Facility Environmental Contact:_____ Title: _____ Ph: (____)_____- _____ Fax:(____)_____-_____
9. Facility Environmental Contact E-Mail Address: _____ 10. Type of Business:_____
11. Environmental Consultant Name and E-Mail 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. Is engine or genset installed: _____ Yes _____ No If yes, date installed: _____/_____/_____ If no, anticipated installation _____/_____/20___
20. Current or requested operating times of facility: _____ hours/day _____ days/week _____ weeks/month _____ months/year = _____hrs/yr

(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)

Section 2. Internal Combustion Engine/Generator Information

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

Process Equipment Unit	Manufacturer	Model Number	Serial Number	Manufacturer Date	Installation Date	Modification Date	Size of Engine In Hp	Size of Generator In kilowatts (kW)
Example Engine	Unigen	B-2500	A56732195C-222	07/96	07/97	N/A	250 Hp	N/A
Example Generator	Gentor	A56789B234	XYZ13247586	07/96	07/97	N/A	N/A	185 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	Stack height & Diameter In feet	Stack Temp	Stack Flow Rate And exit direction
Example Diesel	500 gal.	Above	18 ft – H 0.42 ft – D	700 ^{0}F	6,000 ft^{3}/min Exit - upward

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 air contaminant.

Engine Fuel Type	Pollutants	EPA Emission Factors (Lbs/ Hp–hour)	Manufacturers Emission Factors (Lbs/ Hp–hour)	TIMES	Size of Engine In Horsepower	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	=	

* Particulate Matter (PM) emissions are considered to be < 1µm (micron). Therefore, PM emissions also reflect PM_{10} & $PM_{2.5}$.

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 regulated air contaminant 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	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	=	

* Particulate Matter (PM) emissions are considered to be < 1µm (micron). Therefore, PM emissions also reflect PM_{10} & $PM_{2.5}$.

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 regulated air contaminant 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 _____

METHOD OF SUBMITTAL: Mail OR Hand deliver (8:00am – 5:00pm; Monday – Friday) to the Address at the top of Page 1.