

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AIR DIVISION**

**INSTRUCTIONS FOR STATIONARY INTERNAL COMBUSTION ENGINES
FORM ADEM 107**

When filling out this form, please print or type. Print or type N/A for not applicable if a particular point in question is not applicable.

- Items 1 and 2: Self-explanatory.**
- Item 3: Self-explanatory**
- Item 4: Self-explanatory**
- Item 5: Self-explanatory**
- Item 6: Potential emissions should be based on emission tests, approved emission factors, etc. All calculations should be attached**
- Item 7: May be included as part of monitoring plan (if so, please indicate in space provided)**
- Item 8: Self-explanatory**
- Item 9: Potential emissions should be based on manufacturers' design, emission tests, approved emission factors, etc.
All calculations should be attached**
- Items 10-12: Self-explanatory.**

**PERMIT APPLICATION FOR
STATIONARY INTERNAL COMBUSTION ENGINES**

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Do not write in this space

1. Name of Firm or Organization: _____

2. Plant Location: _____

3. Unit Description (i. e. S/B Unit No. 1): _____

a. Manufacturer's Name: _____ b. Maximum Rated Horsepower: _____

c. Model Number: _____ d. Ignition Type: Compression Spark N/A

e. Date Installed (if existing): _____ f. Air/Fuel Ratio: Lean Burn Rich Burn N/A

g. Proposed Installation Date: _____ h. Engine Type: 2-Stroke 4-Stroke

i. Date Ordered⁽¹⁾: _____ Turbine _____ MMBtu/hr

j. Date Manufactured: _____ Other(Describe) _____

k. Has this unit been modified/reconstructed as defined in 40 CFR Part 60, Subpart A or reconstructed as defined in 40 CFR Part 63, Subpart A?
 Yes (If "yes", please include supporting documentation and the date(s) of this action)
 No

4. Type of fuel used Primary: _____ Standby: _____

5. Normal operating schedule:
 Hours per day: _____ Days per week: _____ Weeks per year: _____
 Peak production season (if any): _____

Check here if engine is for **Emergency Use Only** [according to applicable regulatory definition(s)]

6. Fugitive Emissions (attach calculation worksheets):

POLLUTANT	POTENTIAL EMISSIONS		BASIS OF CALCULATION	REGULATORY EMISSION LIMIT (lb/hr)	REGULATORY EMISSION LIMIT (in units of standard)
	lb/hr	t/yr			
Particulate					
Sulfur dioxide					
Nitrogen oxides					
Carbon monoxide					
VOC					

⁽¹⁾ For NSPS and MACT applicability determinations

7. For each regulated pollutant, describe any limitations on source operation which affects emissions or any work practice standard (attach additional page if necessary):

8. Is there any emission control equipment on this emission source?

No Yes (Where a control device exists, Form ADEM-110 must be completed and attached.)

9. Point Emissions (attach calculation worksheets):

POLLUTANT	POTENTIAL EMISSIONS		BASIS OF CALCULATION	REGULATORY EMISSION LIMIT (lb/hr)	REGULATORY EMISSION LIMIT (in units of standard)
	(lb/hr)	(ton/yr)			
Particulate					
Sulfur dioxide					
Nitrogen oxides					
Carbon monoxide					
VOC					

10. Stack data:

Height above grade _____ (feet) Gas temperature at exit _____ (°F)
 Inside diameter at exit _____ (feet) Volume of gas discharged _____ (ACFM)
 Base Elevation _____ (feet)

Are sampling ports available? Yes No (If "yes", describe. draw on separate sheet if necessary)

11. Indicate the regulation(s) applicable to this unit (attach analysis of applicability):

12. Is this item in compliance with all applicable air pollution rules and regulations? Yes No

(If "No", a compliance schedule, Form ADEM-437, must be attached.)

Name of person preparing application (PRINT or TYPE): _____

Signature: _____ Date: _____