PERMIT APPLICATION FOR WASTE DISPOSAL
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AIR DIVISION

INSTRUCTIONS FOR COMPLETION OF
PERMIT APPLICATION FOR WASTE DISPOSAL
ADEM FORM 106

Aplicable portions of this form should be completed by printing or typing. When any item is not applicable, the letters "NA" should be placed in the left margin beside the item.

This form serves two purposes. The primary purpose is to provide information for the permit application. The secondary purpose is to inventory the waste generated at each plant and determine the method used to dispose of it. The form may be considered not applicable if normal office waste is the only waste generated and it is not burned. Otherwise, all applicable sections must be completed whether a permit is required or not.

SECTION I

Item 1: Identify the name of the facility.

Item 2: The quantity (**tons per year**) of each type of waste generated should be provided and the method of disposal indicated. Please use the disposal codes listed beneath the box.

Item 3: Indicate whether the disposal methods comply with all applicable air pollution regulations. If they do not, attach a ADEM Form 437.

SECTION II

Complete this section if any waste is disposed of by incineration.

Item 1: This information is design criteria and can be found on the incinerator manufacturer's name plate. The name plate should be in a conspicuous place on the incinerator. The "**Type of Waste**" refers to the Incinerator Institute of America classification of waste (except for Type 7, hazardous waste).

Items 2-10 Self-explanatory; attach additional sheets as necessary

Item 11 Stack type may be a stack with an unobstructed opening discharging in a vertical, or nearly vertical direction (V), A vertical stack with a weather cap or similar obstruction in the exhaust stream (W), A building roof vent or bin vent (R), A stack discharging in a horizontal, or nearly horizontal direction (H), A stack discharging downward, or nearly downward (D), An area or volume source not considered a fugitive (A), A process vent, not otherwise classified (P) or Fugitive emissions where no stack exists (F). Stack height is that above ground level. GEP Stack Height, which means Good Engineering Practice (GEP) stack height as defined in ADEM Administrative Code r. 335 3 14 .03(2)(a)5, 335 3 15 .02(9)(a)5, or 335 3 16 .02(10)(a)5, as applicable, should only be used if the stack is 65 meters measured from ground level elevation at the base of the stack and a GEP analysis has been performed or if the stack is a grandfathered stack, thus yielding a GEP stack height equivalent to “Height above grade.” UTM Coordinates, which means Universal Transverse Mercator Coordinates, for Alabama, N-S is between 3337.000km-3875.000km and E-W is between 362.000km-709.000km; Zone 16. UTM coordinates should be provided for the specified stack. Standard temperature is 68°F; standard pressure is 29.92 inches of Hg. Volume of gas discharged can be calculated with the gas velocity (FPS) and stack diameter (Ft).

Items 11-13: Self-explanatory; emissions should be based on emission tests, manufacturers’ design, approved emission factors, etc. All calculations should be attached.

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SECTION I

1. Name of facility or organization: _____

2. Type and quantity of waste generated:

Type waste	Quantity - tons/yr	Disposal method code*
Paper		
Cardboard		
Wood		
Plastic		
Rubber		
Gaseous		
Liquid		
Pathological		
Incombustibles		
Garbage		
Other		

* method codes
(1) incineration
(2) company operated on-site disposal
(3) commercial disposal service
(4) hauled by source to separate disposal site
(5) sold or otherwise transferred to another source for reclaiming or recycling
(6) other (specify):

3. Do the methods used for disposing of waste comply with all applicable air pollution rules and regulations?

☐ Yes ☐ No (if "no", a compliance schedule, ADEM Form 437, must be attached.)

SECTION II

If waste disposal is by incineration, please complete the following:

1. Incinerator manufacturer's information:

   a. Name of manufacturer: _____

   b. Model number: _____

   c. Rated capacity (specify units): _____

   d. Check type of waste

   ☐ 0 Trash, a mixture of highly combustible waste such as paper, cardboard, cartons, wood boxes, and combustible floor sweepings, form commercial and industrial activities. The mixtures contain up to 10% by weight of plastic bags, coated paper, laminated paper, treated corrugated cardboard, oily rags, and plastic or rubber scraps. This type of waste contains 10% moisture, 5% incombustible solids and has a heating value of 8500 Btu per pound as fired.

   ☐ 1 Rubbish, a mixture of combustible waste such as paper, cardboard, cartons, wood scraps foliage and combustible floor sweepings, from domestic, commercial and industrial activities. The mixture contains up to 20% by weight of restaurant or cafeteria waste, but contains little or no treated papers, plastic or rubber wastes.

   ☐ 2 Refuse, consisting of an approximately even mixture rubbish and garbage by weight. This type of waste is common to apartment and residential occupancy consisting of up to 50% moisture, 7% incombustible solids, and has a heating value of 4300 Btu per pound as fired.

   ☐ 3 Garbage, consisting of animal and vegetable wastes from restaurants, cafeterias, hotels, hospitals, markets, and like installations. This type of waste contains up to 70% moisture, up to 5% incombustible solids and has a heating value of 2500 Btu per pound as fired

   ☐ 4 Human an animal remains, consisting of carcasses, organs and solid organic wastes from hospitals, laboratories, abattoirs, animal pounds, and similar sources, consisting of up to 85% moisture, 5% incombustible solids, and having a heating value of 1000 Btu per pound as fired.

   ☐ 5 By-product waste, gaseous, liquid or semi-liquid, such as tar, paints, solvents, sludge, fumes, etc., from industrial operations. Heating values must be determined by the individual materials to be destroyed.

   ☐ 6 Solid by-product waste, such as rubber, plastics, wood waste, etc. from industrial operations. Heating values must be determined by the individual materials to be destroyed.

   ☐ 7 Hazardous waste as defined in 40 CFR Part 261, Subpart A, Paragraph 261.3.

2. Type of incinerator (check all applicable):

   ☐ Single chamber

   ☐ Multiple chamber

   ☐ Other (specify): _____

3. Auxiliary equipment (check all applicable):

   ☐ Primary burner Fuel: _____ (type)

   ☐ Secondary burner Fuel: _____ (type)

4. Combustion air:

☐ Natural draft ☐ Forced draft

☐ Starved air ☐ Other (specify): _____

☐ Induced draft

5. Have tests been performed on this model incinerator?

☐yes ☐no if yes, attach copy of report

6. Waste feed method:

☐Fuel fed ☐Continuous direct ☐Chute fed ☐Batch direct

7. Typical operating schedule:

Hours per day: _____ Days per week: _____ Weeks per year: _____

Peak production season (if any): _____

8. For each regulated pollutant, describe any limitations on source operation or any work practice standards which affect emissions:

9. Are you requesting a limitation for permitting? ☐Yes ☐No if "yes", specify the limit and affected unit(s):

10. Is this item in compliance with all applicable air pollution rules and regulations?

☐Yes ☐No (if "no", a compliance schedule, ADEM Form 437, must be attached.)

11. Stack data:

Stack No. & Description: _____ Stack Type: _____

Stack UTM Coordinate (E-W) _____ (km)		Stack UTM Coordinate (N-S) _____ (km)	
Latitude _____ (LAT)		Longitude _____ (LONG)	
Height above grade _____ (ft)		Gas temperature at exit _____ (ºF)	
Inside diameter at exit (round) _____ (ft)		Gas Velocity _____ (ft/Sec)	
Inside area at exit (not round) _____ (ft^2)		Volume of gas discharged _____ (ACFM)	
Base Elevation _____ (ft)		GEP Stack Height _____ (ft)	

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

Is this a merged stack (do multiple units use this release point)? ☐Yes ☐No

If yes, provide units:

12. Is there any emission control equipment on the incinerator?

☐yes ☐no if "yes", complete ADEM Form 110

13. Fugitive Emissions:

POLLUTANT	UNCONTROLLED POTENTIAL EMISSIONS		CONTROLLED POTENTIAL EMISSIONS		BASIS OF CALCULATION	REGULATORY EMISSION LIMIT
	lb/hr	ton/yr	lb/hr	ton/yr		Provide in lb/hr or specify alternative Unit of Measure
Total Particulate						
PM-10 Filterable						
PM-2.5 Filterable						
PM-Condensible						
Sulfur dioxide						
Nitrogen oxides						
Carbon monoxide						
VOC's						

Attach calculation worksheets. Particulate emissions should be speciated to include PM10-filterable, PM2.5-filterable, and PM-condensible. Speciated HAP emissions should also be provided. Attach additional page(s) as necessary.

14. Point Emissions:

POLLUTANT	UNCONTROLLED POTENTIAL EMISSIONS		CONTROLLED POTENTIAL EMISSIONS		BASIS OF CALCULATION	REGULATORY EMISSION LIMIT
	lb/hr	ton/yr	lb/hr	ton/yr		Provide in lb/hr or specify alternative Unit of Measure
Total Particulate						
PM-10 Filterable						
PM-2.5 Filterable						
PM-Condensible						
Sulfur dioxide						
Nitrogen oxides						
Carbon monoxide						
VOC's						

Attach calculation worksheets. Particulate emissions should be speciated to include PM10-filterable, PM2.5-filterable, and PM-condensible. Speciated HAP emissions should also be provided. Attach additional page(s) as necessary.

Name of person preparing application: .....

Company of preparer .....

Signature: ..... Date: .....