

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Air Division

INSTRUCTIONS FOR COMPLETION OF DATA SHEET FOR WASTE DISPOSAL
ADEM : CFA `106

All applicable 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. If the entire ADEM : cfa `106 is not applicable to your plant or facility, Item 1 and the signature block should be completed and the words "NOT APPLICABLE" should be inserted beneath the signature block. At least one copy of this form must be included in the group of initial permit applications for each facility or plant.

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 : cfa `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 2-11 Self-explanatory
- Item 12: Stack height is that above ground level. 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. Standard temperature is 70°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).
- Item 13: Self-explanatory

**PERMIT APPLICATION
FOR
WASTE DISPOSAL**

- -
 Do not write in this space

SECTION I

1. Name of firm 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: cfa '437, must be completed and 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 (see final page for definitions of waste types)

Type 0 Type 1 Type 2 Type 3 Type 4 Type 5 Type 6 Type 7

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 Starved air Induced draft Forced draft

Other (specify): _____

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. Operating schedule (typical)

Hours per day: from: _____ (time) to: _____ (time)

Days per week: _____ on: m t w th f s s

Weeks per year: _____

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

9. 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					
Volatile organic compounds					
Other					

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

yes

no

if "yes", complete ADEM: cfa '110

11. 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	t/yr			
Particulate					
Sulfur dioxide					
Nitrogen oxides					
Carbon monoxide					
Volatile organic compounds					
Other					

12. Stack data:

UTM Coordinate (E-W) _____ (km) UTM Coordinate (N-S) _____ (km)
 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):

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

Yes No (if "no", a compliance schedule, ADEM's cfa 437, must be attached.)

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

Signature: _____ Date: _____

CLASSIFICATION OF WASTES

- Type 0** Trash, a mixture of highly combustible waste such as paper, cardboard, cartons, wood boxes, and combustible floor sweepings, from 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.
- Type 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.
- Type 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.
- Type 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
- Type 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.
- Type 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.
- Type 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.
- Type 7** Hazardous waste as defined in 40 CFR Part 261, Subpart A, Paragraph 261.3.