



**Incinerator Permit Application  
Bureau of Air Quality  
Part IIC**

**Bureau Use**

Permit No.: \_\_\_\_\_  
ID No.: \_\_\_\_\_  
Date: \_\_\_\_\_  
Reviewed By: \_\_\_\_\_

**PLEASE REFER TO INSTRUCTIONS ON BACK BEFORE COMPLETING THIS FORM**

1. Company Name: \_\_\_\_\_  
Incinerator Designation: \_\_\_\_\_
  
2. Incinerator Manufacturer: \_\_\_\_\_  
Model: \_\_\_\_\_
  
3. Description of waste to be incinerated: \_\_\_\_\_  
\_\_\_\_\_
  
4. Incinerator capacity for each type of waste or combination of waste to be incinerated (lb/hr):  
Type 0 \_\_\_\_\_ Type 1 \_\_\_\_\_ Type 2 \_\_\_\_\_ Type 3 \_\_\_\_\_  
Type 4 \_\_\_\_\_ Type 5 \_\_\_\_\_ Type 6 \_\_\_\_\_
  
5. Total amount to be burned daily (lbs):  
Type 0 \_\_\_\_\_ Type 1 \_\_\_\_\_ Type 2 \_\_\_\_\_ Type 3 \_\_\_\_\_  
Type 4 \_\_\_\_\_ Type 5 \_\_\_\_\_ Type 6 \_\_\_\_\_
  
6. Auxiliary Fuel:  Gas  Oil  Other (specify): \_\_\_\_\_
  
7. Auxiliary Burners:  Primary Chamber  Secondary Chamber  Stack
  
8. Burner Controls:  Automatic  Manual
  
9. Air Pollution Controls:  Afterburners  Scrubber  Multichamber  
Other (specify) \_\_\_\_\_
  
10. Particulate Emissions under normal operating conditions (exclusive of auxiliary fuel):  
\_\_\_\_\_ lbs./10<sup>6</sup> BTU input  
Method of Estimation \_\_\_\_\_
  
11. Establishment Type:  Hospital  Restaurant  Store  Industry  
 Warehouse  Apartment  Public Institution  
 Other (specify): \_\_\_\_\_
  
12. Normal Operating Schedule: \_\_\_\_\_ hours/day \_\_\_\_\_ days/week \_\_\_\_\_ weeks/year  
Seasonal Variation: Dec. - Feb. \_\_\_\_\_ % Mar. - May \_\_\_\_\_ % June - Aug. \_\_\_\_\_ % Sept. - Nov. \_\_\_\_\_ %
  
13. How will waste material from process and control equipment be disposed of?  
\_\_\_\_\_
  
14. Are any of the materials burned or collected in this incinerator subject to the provisions of the S.C. Hazardous Waste Management Act or Regulations? (specify):  
\_\_\_\_\_  
\_\_\_\_\_

**PART IIC PERMIT APPLICATION  
INSTRUCTION FOR COMPLETING**

**PURPOSE:**

To obtain the information needed to process applications for air permits and to maintain these permits. The information requested is used to determine whether a source must meet State and/or Federal Regulations and if the source is capable of achieving the applicable standards.

**EXPLANATION AND DEFINITION:**

Any person who plans to construct, alter, or operate a source that emits air contaminants, including the installation of any device for the control of air contaminants shall first obtain a permit from the Department. Use Part IIC for an incinerator defined as "an engineered apparatus and all appurtenances thereto, designed to reduce combustible solid, semi-solid, liquid, or gaseous waste by high temperature burning".

**Item By Item Instructions:**

- Item 1.** Company Name for permit.  
Incinerator Designation indicating plant's designation (e.g., incinerator no. 2, etc.).
- Item 2.** Indicate specific incinerator manufacturer data.
- Item 3.** Describe waste to be incinerated.
- Item 4.** Determine type of waste (see Classification of Wastes Types) and also indicate capacity of each waste to be incinerated.
- Item 5.** Indicate the types & capacity of each waste to be incinerated, assuming that and only that type is being incinerated.
- Item 6.** Indicate type of auxiliary fuel.
- Item 7.** Indicate type of auxiliary burner.
- Item 8.** Indicate type of burner control.
- Item 9.** Indicate type of air pollution control equipment.
- Item 10.** Indicate particulate emissions and for Method of Estimating Emissions specify whether stack test, AP-42, material balance, engineering calculations, etc.
- Item 11.** Select type of establishment.
- Item 12.** Indicate operating schedule including normal operation and seasonal variation.
- Item 13.** Specify procedures that will be taken to dispose of waste material.
- Item 14.** Indicate if materials are regulated under the S.C. Hazardous Waste Management Act or if any materials are suspected to be harmful human health/welfare or plant/animal life.

**CLASSIFICATION OF WASTES**

Type 0 - Trash, a mixture of highly combustible waste such as paper, cardboard, 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/lb as fired.

Type 1 - Rubbish, a mixture of combustible waste such as paper, cardboard cartons, wood scrap, 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. This type of waste contains 25% moisture, 10% incombustible solids and has a heating value of 6500 BTU/hr as fired.

Type 2 - Refuse, consisting of an approximately even mixture of 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/hr 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/hr as fired.

Type 4 - Human and 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/hr as fired.

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

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

**OFFICE MECHANICS AND FILING:**

In accordance with retention schedule HEC-AQC-3 break file at the end of each fiscal year, retain within the Agency for five additional years and then destroy.