

OPERATING DATA

17. Quantity of waste burned (lbs/hr): Average _____ Maximum _____

18. Source of combustible waste:

- | | |
|---|--|
| <input type="checkbox"/> Hospital, number of beds _____ | <input type="checkbox"/> School, number of rooms _____ |
| <input type="checkbox"/> Apartment, number of units _____ | number of pupils _____ |
| <input type="checkbox"/> Institution, number of rooms _____ | <input type="checkbox"/> Commercial bldg., area (sq.ft.) _____ |
| <input type="checkbox"/> Restaurant, meals per day _____ | <input type="checkbox"/> Other, describe _____ |
| <input type="checkbox"/> Industrial process, describe _____ | |

19. Description of waste(s) (check appropriate boxes):

- | | | |
|--|--|--|
| <input type="checkbox"/> Paper | <input type="checkbox"/> Kitchen waste | <input type="checkbox"/> Human/animal remains |
| <input type="checkbox"/> Cardboard | <input type="checkbox"/> Sweepings | <input type="checkbox"/> Plastics, describe _____ |
| <input type="checkbox"/> Wood | <input type="checkbox"/> Rags | <input type="checkbox"/> Industrials, describe _____ |
| <input type="checkbox"/> Residential waste (rubbish & garbage) | | |

SYSTEMS CONTROL DATA

(for infectious waste incinerators only)

20. Lockout system: Yes No

21. Airlock system: Yes No

22. Continuous temperature recorder: Primary chamber Yes No
Secondary chamber Yes No

If yes, manufacturer _____
Model No. _____ Year installed _____

23. Radioactivity monitor and alarm: Yes No

If yes, manufacturer _____
Model No. _____ Year installed _____

24. Bypass damper: Yes No

If yes, is there a continuous temperature recorder and alarm at the damper: Yes No

If yes, manufacturer _____
Model No. _____ Year installed _____

25. Weigh Scale: Yes No

INSTRUCTIONS FOR COMPLETION OF THE EMISSIONS ACTIVITY CATEGORY FORM FOR AN INCINERATOR OPERATION

General Instructions: Answer or complete all items. If the item does not apply to the incinerator, write in "not applicable" or "NA". If the answer is not known, write in "not known" or "NK". The emissions activity category form may be returned if all items are not completed or answered.

Specific Instructions:

Item Items (1) through (16) refer to general information regarding the incinerator's design and identification.

1. Specify the rated capacity of the incinerator in pounds per hour (lbs/hr) for the general type of waste burned or to be burned (e.g., 200 lbs/hr for Type 2 Waste). An incinerator capable of burning varied wastes has more than one rating, and if various types of wastes are to be or will be burned separately, all ratings relative to these wastes are to be specified. Refer to Table 1 - Type of Waste to determine the general type or types of waste. This item may be better answered after item (19) "Description of Waste(s)" is completed.

TABLE 1 - TYPES OF WASTE

<u>Type of Waste</u>	<u>Description of Waste</u>
0	Trash; mixture of paper, cardboard, wood boxes, rags, sweepings, etc.
1	Rubbish; mixture of paper, cardboard, wood scrap, restaurant waste, etc.
2	Rubbish and garbage about even by weight.
3	Garbage animal and vegetable wastes.
4	Human and animal remains.
5	Industrial by-product wastes; gaseous, liquid, or semi-liquid.
6	Industrial by-products wastes; solid.

2. Identify the location of the incinerator.
3. Complete the owner's identification name or number for the incinerator.
4. Identify the type of incinerator. A single chamber incinerator has one combustion chamber and a multiple chamber incinerator has two or more combustion chambers. A controlled air (or starved air) incinerator is a special type of incinerator in which the primary combustion air is less than stoichiometric.
5. Identify the method of waste charging:
 - Chute fed, waste charged to the incinerator by means of a chute, other than the flue.

- Flue fed, waste charged to the incinerator through the flue duct.
 - Hand fed, waste charged directly by hand into the incinerator.
 - Mechanical loader, waste charged manually or automatically by a ram-type feeder or similar device.
6. Identify the type of waste charging employed:
- Continuous, waste is added regularly to the incinerator during the burning operation.
 - Batch, waste is charged only once and allowed to burn down completely before any more is added.
 - Intermittent, waste is added a few times during the burning operations, normally in large amounts.
7. Identify the type of draft:
- Natural, combustion air supplied by means of stack draft.
 - Induced, combustion air supplied by means of a fan, blower or ejector located between the incinerator and the stack.
 - Forced, combustion air supplied by means of a fan or blower injecting air directly into the incinerator.
8. Indicate the type of flue damper:
- Barometric, a pivoted, balanced plate normally located in the breeching and activated by the draft.
 - Guillotine, an adjustable plate normally located in the breeching, counter-balanced, and operated manually or automatically.
 - Butterfly, an adjustable, pivoted plate normally located in the breeching.
 - Sliding, an adjustable horizontal or vertical plate normally located in the breeching.
9. Indicate whether the air ports or air louvres are adjustable or not.
10. Specify the burner input capacity in British Thermal Units per hour (BTU/hr) for the primary and secondary burners. In some incinerators the secondary burner is called an afterburner.
11. Indicate the type of fuel used to aid the combustion.
12. Indicate the type of secondary burner ignition.
- Manual, ignition is activated manually and usually has a timer.
 - Automatic, ignition is activated by a charging door switch.
13. Indicate if the secondary (or afterburner) combustion zone is equipped with a temperature control. If so, specify the lower limit of the control in degrees Fahrenheit (°F).
14. & 15. Specify the primary and secondary combustion chamber dimensions in inches.

16. Indicate the type of refractory lining.

Items (17) through (19) refer to the operation of the incinerator.

17. Complete the quantity of waste burned (both average and maximum) in pounds per hour (lbs/hr).

18. Identify the source of the combustible waste and complete the source description.

19. Identify the waste incinerated by checking the appropriate boxes.

Items (20) through (25) refer to systems control information pertaining only to infectious waste incinerators.

20. Indicate if there is a lockout system consisting of an electrical device that will not allow the charging of waste into the combustion chamber during the burn cycle.

21. Indicate if there is an airlock system to prevent the opening of the incinerator into the room environment during burning.

22. Complete the requested information concerning any continuous temperature recorder that is used in the primary or secondary chamber. A continuous temperature recorder is a recorder that indicates the operating temperatures during all times that the incinerator is operating.

23. Complete the requested information concerning any radioactivity monitor and alarm that is used to detect the radioactivity level of all wastes prior to charging to the incinerator.

24. Complete the requested information concerning any bypass dampers used in the exhaust gas discharge equipment. A bypass damper is a damper system used to divert exhaust gases from the incinerator during any emergency or malfunction until corrective measures can be taken.

25. Indicate if a weigh scale is employed to measure the weight of waste to be charged into the incinerator.