

EMISSIONS ACTIVITY CATEGORY FORM FUGITIVE DUST EMISSIONS ACTIVITIES AT MUNICIPAL SOLID WASTE INCINERATORS:

This form is to be completed for refuse and ash handling activities at municipal solid waste (MSW) incinerators. State/Federal regulations which may apply to Fugitive dust emissions from incineration operations are listed in the instructions. There may be other regulations which apply to this emissions unit which are not included in this list.

Note: This emissions activity category (EAC) form does not include roadways and parking areas and other fugitive dust emissions units that have a specific EAC form for such units. Therefore, additional EAC forms for those emissions units may need to be submitted.

1. Reason this form is being submitted (Check all boxes that apply)

a. New Permit Renewal or Modification of Air Permit Number(s) (e.g. F001)_____

Refuse dumping, handling or Ash handling, disposal or
 Other(describe)_____

b. New Permit Renewal or Modification of Air Permit Number(s) (e.g. F002)_____

Refuse dumping, handling or Ash handling, disposal or
 Other(describe)_____

2. Maximum Operating Schedule: _____hours per day; _____days per year

If the schedule is less than 24 hours/day or 365 days/year, what limits the schedule to less than maximum? See instructions for examples. _____

3. Refuse dumping, handling process information:

a. Is tipping floor area enclosed? yes no

b. Storage pit dimensions: (L) _____ (W) _____ (H) _____

c. Emergency storage pit dimensions: (L) _____ (W) _____ (H) _____

d. Method of refuse handling:

- elevated crane with clamshell bucket
- elevated crane with grapple
- floor dump
- direct dump to oscillating conveyor
- other (describe) _____

4. Ash handling, disposal process information:
- a. Method of fly ash removal _____
 - b. Method of grate sifting removal _____
 - c. Method of combustion residue removal _____
 - d. Are water quench tanks used for wetting combustion residue: yes no
 - e. Describe ash (fly ash, sifting, combustion residue) disposal method:

 - f. Maximum quantity of ash handled per hour _____ tons/hour
 - g. Maximum quantity of ash handled per year _____ tons/year

5. Control methods to be used for fugitive dust emissions from municipal incineration:

(List the methods to be used to control fugitive dust emissions from each of the specific activities shown below. Use the control method codes listed below, (A) through (I), to identify them. Also, enter the emissions egress point ID and overall control efficiency for each unit.)

Fugitive Dust Source/Emission Unit	Control Method Code*	Capture Efficiency	Overall Control Efficiency	Basis for Overall Control Efficiency
Refuse Dumping, Handling				
Ash Handling, Disposal				
Other (describe):				

*The various control methods and their respective code letters are given in the following sections. Please complete the requested information for any control method(s) currently employed and cited above.

Refuse Dumping, Handling

(A) Enclosure:

Describe enclosure _____

(B) Air ports in storage pit with vent to furnace:

Air volume _____ acfm

(C) Hooding, vent to fabric filter/baghouse:

Describe hooding _____
Fabric Filter/Baghouse Pressure Drop _____

(D) Water sprays in storage pit:

Method of application _____
Frequency of application _____
Application rate _____ gallons sprayed/ton processed

(E) Other (describe): _____
Company ID for any control equipment: _____

Ash Handling Disposal

(F) Watering:

Method of application _____
Frequency of application _____
Application rate _____ gallons sprayed/ton processed

(G) Wet suppression (chemical):

Type of chemical(s) _____
Method of application _____
Frequency of application _____
Dilution (if any) _____ gallons chemical/1,000 gallons water
Application rate _____ gallons applied/ton handled

(H) Good housekeeping practices:

Check those practices employed:
 minimize drop height of ash
 cover haul trucks
 other (describe) _____

(I) Other (describe): _____

INSTRUCTIONS FOR COMPLETION OF THE EMISSIONS ACTIVITY CATEGORY FORM FOR FUGITIVE DUST EMISSIONS ACTIVITIES AT MUNICIPAL SOLID WASTE INCINERATORS

GENERAL INSTRUCTIONS:

Provide complete responses to all applicable questions. If an item does not apply to the emissions unit, write in "Not Applicable" or "NA." If the answer is not known, write in "Not Known" or "NK." If you need assistance in understanding a question after reading the instructions below, contact your Ohio EPA District Office or Local Air Agency for assistance. Submittal of an incomplete application will delay application review and processing. In addition, the application may be returned as incomplete if all applicable questions are not answered appropriately.

APPLICABLE REGULATIONS:

The following State and Federal Regulations may be applicable to fugitive dust emissions from activities associated with incinerator operations. Note that there may be other regulations which apply to this emissions unit which are not included in this list.

State: Ohio Administrative Code (OAC) 3745-31-02 (Permit to Install)
3745-35-02 (Permit to Operate)
3745-31-05 (Best Available Technology)
3745-17-07(A) (Visible emissions limits)
3745-17-08 (Restrictions of Emission of Fugitive Dust)

If you would like a copy of these regulations, contact your Ohio EPA District Office or Local Air Agency. State regulations may also be viewed and downloaded from the Ohio EPA website at <http://www.epa.state.oh.us/dapc/regs/regs.html>. Federal regulations may be viewed and downloaded at <http://www.epa.gov/docs/epacfr40/chapt-I.info/subch-C.htm>.

CALCULATING EMISSIONS:

The emissions from "refuse dumping, handling" and "ash handling, disposal" may be estimated using information from sections 13.2 and 13.2.4 of AP-42, Compilation of Air Pollutant Emission Factors. Fifth Edition, Volume I, available from the following website: <http://www.epa.gov/ttn/chief/ap42/index.html>. In addition, you may quantify emissions based on your knowledge of your operations and the knowledge of your vendors. However, please be aware that you will be required to provide the basis for your calculations.

SPECIFIC INSTRUCTIONS:

1. Indicate whether this is an application for a new permit or an application for permit renewal. If applying for a permit renewal, provide the 4-character OEPA emissions unit identification number.

Please note: This EAC form may be completed for both "refuse dumping, handling" and/or "ash handling, disposal" activities. Therefore, please check the appropriate box following 1.a. and/or 1.b. For example, if the application is being completed for "refuse dumping, handling" only, then please check the box immediately proceeding "refuse dumping, handling" in question 1.a.

2. Provide the maximum number of hours per day and days per year the MSW incinerator activities are expected to operate. The following are examples of why the maximum number of hours per day may

be less than 24 or the maximum number of days per year may be less than 365 (this list is not all-inclusive):

- The facility can only operate during daylight hours.
- The process can only operate within a certain range of ambient temperatures.
- The process is limited by another operation (i.e., a bottleneck).

3. Complete items (a) through (d) in the refuse dumping, handling process data section. Indicate if the tipping floor area is enclosed, the length (L), width (W), and height (H) of the storage pit areas, and the method of refuse handling.
4. Complete the requested data in items (a) through (g) of the ash handling, disposal process data section. In item (a), please indicate the method of fly ash removal (cyclones, electrostatic precipitators, fly ash screen, water sprays, scrubber, etc.). Also, indicate the method of grate sifting removal (manual, mechanically conveyed, etc.) in item (b) and the method(s) of combustion residue removal (ash hoppers, drag apron pan conveyor, etc.) in item (c).
5. List all of the control measures currently employed for each type of fugitive dust emissions unit identified. Use the control method codes listed in this section for this purpose. Also, enter the capture efficiency, if applicable, and the overall control efficiency, as well as the basis for the control efficiency.

For those control methods listed in item #5, complete the data requested in the control method code section.