

**NON-TITLE V PERMIT APPLICATION INSTRUCTIONS
INCINERATOR SOURCE DESCRIPTION FORM (APC 103)**

This form should be completed for all new permit applications and all renewals where source conditions have changed since the previous application. This form should be used for all incinerators instead of the more general Process or Fuel Burning Source Description form (APC 102), and the Emission Point Description form (APC 101).

1. Use the same name as from the Facility Identification form (APC 100). The right-hand portions of the first two lines are intended for APC Division use only.
2. Emission source number should be the same code as entered in Item 9 of the Facility Identification form (APC 100).
3. Show the type of waste burned by entering the code number found on the bottom of the Facility Identification form (APC 100) which most nearly describes the material incinerated. Show the average and design charging rates and the approximate tons per year of waste burned.
4. Indicate the incinerator manufacturer, model number, and date installed.
5. Indicate the incinerator type by checking the appropriate boxes.
6. Enter the design capacity of all auxiliary fuel burners and the approximate overfire and underfire air flow if applicable. Also indicate if the incinerator is designed to limit and control the amount of air to the primary chamber.
7. List the type of auxiliary fuel used and the type of standby auxiliary fuel if applicable. Complete the table showing the annual and hourly usage of all auxiliary fuels.
8. Enter the indicated stack information.
9. Particulate emission estimates should be based on stack sampling results. In most cases a valid stack test of particulate emissions from the manufacturer for the same or similar model incinerator will be acceptable. Emission estimates for other pollutants emitted from this point should be based on stack sampling results or engineering calculations. In certain cases other estimates or blanks may be accepted. Average emissions (lbs./hr.) should be representative of the following:

For continuous or long-run, steady-state, operations is the total weight of pollutant emitted to the atmosphere for the entire period of continuous operation or for a typical portion thereof divided by the number of hours of such period or portion thereof.

For cyclical or batch type operations, it is the total weight of pollutant emitted to the atmosphere for a period which covers a complete or an integral number of cycles divided by the hours of actual process operation during such periods.

(Over)

Maximum emissions (lbs./hr.) should be determined by dividing the total highest emissions possible during any 3 hour period with control equipment working properly, by 3. This will be dependent upon such things, either singly or in combination, as maximum possible operating rate, a particular input material, product, or fuel which may result in increased emissions; periods of highest emissions for cyclical or batch type operations, etc. Concentrations should be determined for stack emissions only and should reflect average exit gas concentrations reported in the units specified on this Description form.

Emission estimation method and control device descriptions, along with corresponding codes, can be found on the back of the Facility Identification form (APC 100). The codes which most accurately describe the estimated control equipment efficiency should be entered for each pollutant present. Any estimation methods or control devices other than those listed in the tables should be described in the comments (Item 12).

- 10.** If a wet scrubber is used to control emissions, supply the requested scrubber related information.
- 11.** Check the appropriate box for any type of monitoring and recording instruments.