

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name:	2. Facility identification number:	3. Stack identification number:
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4. Exhausting Unit(s), use Unit identification number from appropriate Form(s) 4530-104, 106, 107, 108 and/or 109

4530-104                      4530-106                      4530-107                      4530-108                      4530-109

5. Identify this stack on the plot plan required on Form 4530-101

6. Indicate by checking:

- This stack has an actual exhaust point.                       This stack serves to identify fugitive emissions.

If this stack has an actual exhaust point, then provide the following stack parameters

7. Discharge height above ground level: \_\_\_\_\_ (feet)

8. Inside dimensions at outlet (check one and complete):

- Circular \_\_\_\_\_ (feet)                       rectangular \_\_\_\_\_ length (feet)                      \_\_\_\_\_ width (feet)

9. Exhaust flow rate:

Normal \_\_\_\_\_ (ACFM)                      Maximum \_\_\_\_\_ (ACFM)

10. Exhaust gas temperature (normal): \_\_\_\_\_ (°F)

11. Exhaust gas moisture content:                      Normal \_\_\_\_\_ volume percent                      Maximum \_\_\_\_\_ volume percent

12. Exhaust gas discharge direction:                       Up                       Down                       Horizontal

13. Is this stack equipped with a rainhat or any obstruction to the free flow of the exhaust gases from the stack?                       Yes                       No

\*\*\*\*\* Complete the appropriate Air Permit Application Forms(s) 4530-104, 106, 107, 108 or 109 for each Unit exhausting through this stack. \*\*\*\*\*

**STACK IDENTIFICATION -- Form 4530-103**  
**AIR POLLUTION CONTROL PERMIT APPLICATION INSTRUCTIONS**

NOTE: Use of this form is required by the Department for any air pollution control permit application filed pursuant to ss. 285.61, 285.62 or 285.66, Wis. Stats. Completion of this form is mandatory. The Department will not consider or act upon your application unless you complete and submit this application form. It is not the Department's intention to use any personally identifiable information from this form for any other purpose.

One form must be completed for each stack (or release point such as roof vent, wall vent, etc.).

- Item 1 Provide the facility name.
- Item 2 Provide the facility identification (FID) number that appears on the annual emissions inventory reports.
- Item 3 Assign a three-character identification number for this stack (e.g., S01). Use the existing identification number from the Air Emissions Inventory.
- Item 4 List the identification(s) for the emissions unit(s) that will vent through this stack. Use the existing identification number(s) from the Air Emissions Inventory. Use this number on the appropriate forms 4530-104, -106, -107, -108 or -109 for the unit(s). Examples: Boiler No. 1 can be "B01," Process No. 3 can be "P03" (see instruction booklet for details).
- Item 5 Identify this stack or release point on the required plot plan.
- Item 6 An "actual exhaust point" is a real stack that may be described by the physical parameters listed in items 7 through 13 of this form. "Fugitive emissions" means emissions from any emissions point within a facility (the buildings plus the grounds) other than a flue or stack. If you check "this stack serves to identify fugitive emissions," you do not need to complete the rest of the form.

In some cases the current emissions inventory (EI) groups several actual stacks into one fictitious stack, or several fugitive emission points are grouped into a single fictitious stack for accounting purposes. In such a situation, please retain the existing stack grouping from the EI for the purpose of completing your permit application and explain this on an attachment (Form 4530-135 may be used for this purpose).

Where groupings don't already exist, you may wish to combine several actual stacks into one fictitious stack. This would allow you to assign all of the emissions from a particular process line having several stacks, such as a manufacturing line involving painting, to a single stack. **IF YOU DECIDE TO GROUP STACKS IN A WAY OTHER THAN THE WAY THEY ARE GROUPED ON YOUR EMISSIONS INVENTORY, PLEASE ATTACH FORM 4530-135, SUPPLEMENTAL INFORMATION, TO EXPLAIN THE REVISED STACK GROUPING. IN THIS WAY THE DEPARTMENT WILL BE ABLE TO RECONCILE THE APPLICATION AND THE EMISSIONS INVENTORY FOR YOUR PLANT.**

- Item 7 Provide the height (in feet) at which the stack discharges above ground level.
- Item 8 Check appropriate shape of the stack. For circular shapes provide the diameter (in feet), and for rectangular shapes provide the length (L) and width (W) (in feet).
- Item 9 Provide the normal exhaust flow rate in units of actual cubic feet per minute (ACFM) and the maximum exhaust flow rate expected (in ACFM).
- Item 10 Provide the normal exhaust gas temperature (in °F).
- Item 11 Provide the normal and maximum moisture content.
- Item 12 Check appropriate discharge direction. If the direction of discharge is at an angle, check the nearest direction.
- Item 13 Check the appropriate box.

\*\*\*\*\* For each emissions unit that vents through this stack, complete and attach the appropriate form(s) 4530-104 through -109. After doing so, start your second stack form, if you have additional stacks, and its associated emissions unit(s), control equipment, and compliance demonstration form(s).