State of Wisconsin
Department of Natural Resources

PAINTING AND COATING OPERATIONS
AIR POLLUTION CONTROL PERMIT APPLICATION
Form 4530-108 11-93

Information attached? __ (y/n)

SEE INSTRUCTIONS ON REVERSE SIDE

1. Facility name:	2. Facility identification number:
3. Stack identification number:	4. Process number:

4a. Unit description:

5. Indicate the control technology status. ☐ Uncontrolled ☐ Controlled

If the process is controlled, enter the control device number(s) from the appropriate form(s):

4530-110 ____ 4530-111 ____ 4530-112 ____ 4530-113 ____
4530-114 ____ 4530-115 ____ 4530-116 ____ 4530-117

6. Application technique and transfer efficiency (%):

7. Date of construction or last modification:

8. Normal operating schedule: ____ hrs/day ____ days/wk ____ days/yr

9. Oven curing (complete if applicable):
Number of ovens _____ Specify oven fuels
Total Maximum Energy input to each oven:

10. Describe all of the coatings' and solvents' composition (as applied) that are used by this unit.

Name of coating a.	ct cg b.	T c.	Maximum usage d.		Normal usage e.	Solids % f.		VOC % g.		Water % h.		Coating or VOC Density i.	Pounds VOC/ gallon less H_2O j.
			gal/hr	gal/yr	gal/yr	W	V	W	V	W	V	lbs/gal	
Total coatings													
List the thinning solvents used with the coatings identified above.													
Clean-up solvents													
Clean-up solvents													
Other (specify)													

***** For this emissions unit, identify the method of compliance demonstration by completing Form 4530-118, ***** DESCRIPTION OF METHODS USED FOR DETERMINING COMPLIANCE. Attach Form 4530-118 and its attachment(s) to this form. This is not a requirement of non-Part 70 sources.

***** Please complete the Air Pollution Control Permit Application Forms 4530-126 and 4530-128 for this Unit. *****

Coating categories (ct. cg. - column b. above) should be entered as follows: 1 - for air dried coatings; 2 - for clear coatings; 3 - for cured coatings; 4 - for extreme performance coatings; 5 - for other (specify)

PAINTING AND COATING OPERATIONS -- Form 4530-108
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.

Complete one form for each significant painting or coating operation.

Item 1 Provide the name of the facility.

Item 2 Provide the facility identification (FID) number that appears on the annual emission inventory reports..

Item 3 Provide an identification number for the stack exhausting this painting or coating operation (e.g. S10, S20, etc.). The same stack identification number should appear on all appropriate forms used in conjunction with this operation. If there is more than one stack exhausting this unit, please attach Form 4530-135 (Supplemental Information) to further describe the situation. Use the same number used on Form 4530-103.

Item 4 Assign a process number for this painting or coating operation (Process P30, Process P25, etc.). This number will be used as the identification number for this operation. Use the existing identification number from the Air Emissions Inventory. This number should also appear on the other appropriate forms for this painting or coating operation: forms for control system, compliance determination, and stack identification.

Item 4a Provide the manufacturer's name and equipment's model number. Also specify dryer manufacturer and model number. Specify the products and substrate to be coated or painted. In addition, specify the maximum process weight rates for this operation in pounds per hour (maximum process weight is the maximum weight of coating and products per hour).

Item 5 Specify the type of control device used to reduce emissions from this operation. If the operation is uncontrolled, check "uncontrolled". Provide the identification number (e.g., C30, C40) of the control device. The same number should also appear on Form(s) 4530-110, 111, 112, 113, 114, 115, 116, or 117 and all other forms completed for this control device.

Item 6 Specify the application technique for this operation (e.g. spraying, roll coating, etc.). Specify the transfer efficiency for this operation. Transfer efficiency is the portion of coating solids which adheres to the surface being coated during the application process, expressed as a percentage of the total volume or weight of coating solids delivered to the application.

Item 7 Provide the installation date (month/day/year) or date of last modification, whichever is later, for this equipment. Please see instructions booklet for the definition of "modification". Provide the month and date if possible (write in "00" if unknown (e.g., 00/00/56)). Indicate if this is a new source.

Item 8 Specify normal operating schedule in hours per day, days per week, and days per year.

Item 9 Specify the number of ovens, their fuels, and their maximum heat input in million BTU per hour.

Item 10 Include all paints, coatings, and clean-up solvents used in this operation or projected for use in the future under alternative operating scenarios. Please do not forget to complete and attach Form(s) 4530-126, one for <u>each</u> material that emits hazardous air pollutants, for this painting or coating operation. Painting or coating operations that use large numbers of materials that emit hazardous air pollutants may submit a summary of hazardous emissions, as described in the instructions for Item 5 of Form 4530-126.

Item 10a Provide the names or identifying numbers of the paints, coatings, and clean-up solvents.

Item 10b Specify the coating category (i.e., "ct cg" on the form) by writing the appropriate number: (1) air dried, (2) clear, (3) cured, (4) extreme performance, or (5) other. A coating is considered cured if the coated object is heated in excess of 194 ^{o}F. Extreme performance coatings are those designed for harsh exposure to one or more of the following: the weather all the time, temperatures consistently above 203 ^{o}F (95 ^{o}C), detergents, abrasive and scouring agents, solvents, corrosive atmospheres, or similar environmental conditions.

Item 10c Specify the temperature of the coated material as it leaves the oven, in degrees F.

Item 10d Specify the maximum amount of coating or solvent used in gallons per hour and per year. These projections should be consistent with the assumptions used to project the "maximum theoretical emissions" from this emissions unit, that is, reasonable assumptions about the maximum operating level of the unit.

Item 10e Specify the normal usage of coatings and solvents in gallons per year.

Items 10f - 10h Specify the composition of coatings in weight percent, as applied. For each coating, specify the weight or volume percentage of f) solids, g) VOC, and h) water, in the appropriate column. Include exempt solvents as water in column h (see Note 1 below).

Item 10i Specify the density of each coating or VOC in pounds per gallon. This information is necessary for the calculation of VOC content at column 10j (see below).

Item 10j Specify the VOC content of the coating in pounds per gallon less water (and exempt solvents), as applied. See the instructions booklet for examples of this calculation.

Note 1: Exempt solvents are those identified in the definition of VOC as having negligible photochemical reactivity. Methylene chloride and methyl chloroform (1,1,1-trichloroethane) are the two most commonly used exempt solvents in coating operations.

Note 2: The VOC content of the coating and other composition information may be available from your coating supplier.

Please do not forget to complete Form 4530-118, DESCRIPTION OF METHODS USED TO DEMONSTRATE COMPLIANCE.