

**AIR POLLUTION CONTROL OPERATION PERMIT**

EI FACILITY NO. 77777770

PERMIT NO. 77777770-P01

TYPE: Part 70 Operation Permit

Name of Source: XYZ Company

Street Address: 1234 West Washington  
Milwaukee, Milwaukee County

Responsible Official, & Title: John Doe, Vice President of Manufacturing

is authorized to operate a screen printing operation in conformity with the conditions herein, and in compliance with the provisions of Chapter 285, Wis. Stats., and Chapters NR 400 to NR 499, Wis. Adm. Code,

**THIS OPERATION PERMIT EXPIRES JANUARY 1, 2003.**

A RENEWAL APPLICATION MUST BE SUBMITTED AT LEAST 12 MONTHS, BUT NOT MORE THAN 18 MONTHS, PRIOR TO THIS EXPIRATION DATE [s. NR 407.09(1)(b)1, Wis. Adm. Code].

No permittee may continue operation of a source after the operation permit expires, unless the permittee submits a timely and complete application for renewal of the permit [ss. 285.66(3), Wis. Stats. and NR 407.04(2), Wis. Adm. Code].

This authorization requires compliance by the permit holder with the emission limitations, monitoring requirements and other terms and conditions set forth in Parts I and II hereof.

Dated at Madison, Wisconsin, January 1, 1998.

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES  
For the Secretary

By /s/ Supervisor Jane Smith  
Supervisor

### Preamble

An Asterisk "\*" throughout this document denotes legal authority, limitations and conditions which are not federally enforceable.

#### Concurrent Permit Actions Performed as Part of the Review and Issuance of Permit 77777770-P01:

None

#### The following permits are adopted by Permit 77777770-P01, under ss. 285.65(3), Wis. Stats. and ss. NR 406.11(1)(c) and (d), and NR 407.15(3) and (4), Wis. Adm. Code, which then becomes the primary enforceable document:

None

#### Stack and Process Index

**S01, P01, C01** - Screen Printers and Incinerator

Permit Shield - Unless precluded by the Administrator of the USEPA, compliance with all emission limitations in this operation permit is considered to be compliance with all emission limitations established under ss. 285.01 to 285.87, Wis. Stats., and emission limitations under the federal clean air act, that are applicable to the source if the permit includes the applicable limitation or if the Department determines that the emission limitations do not apply. The following emission limitations were reviewed in the analysis and preliminary determination and were determined not to apply to this stationary source: NONE.

Part I -- The headings for the areas in the permit are defined below. The legal authority for these limitations or methods follows them in [brackets].

Pollutant -- This area will note which pollutant is being regulated by the permit.

Limitations -- This area will list all applicable emission limitations that apply to the source, including case-by-case limitations such as Latest Available Control Techniques (LACT), Best Available Control Technology (BACT), or Lowest Achievable Emission Rate (LAER). It will also list any voluntary restrictions on hours of operation, raw material use, or production rate requested by the permittee to limit potential to emit.

Compliance Demonstration -- The compliance demonstration methods outlined in this area may be used to demonstrate compliance with the associated emission limit or work practice standard listed under the corresponding *Limitations* column. The compliance demonstration area contains limits on parameters or other mechanisms that will be monitored periodically to ensure compliance with the limitations. The requirement to test as well as initial and periodic test schedules, if testing is required, will be stated here. Notwithstanding the compliance determination methods which the owner or operator of a sources is authorized to use under ch. NR 439, Wis. Adm. Code, the Department may use any relevant information or appropriate method to determine a source's compliance with applicable emission limitations.

Reference Test Methods, Recordkeeping, and Monitoring Requirements -- Specific USEPA Reference test methods or other approved test methods will be contained in this area and are the methods that must be used whenever testing is required. A reference test method will be listed even if no testing is immediately required. Also included in this area are any recordkeeping requirements and their frequency and reporting requirements. Accuracy of monitoring equipment shall meet, at a minimum, the requirements of s. NR 439.055(3) and (4), Wis. Adm. Code, as specified in Part II of this permit.

Condition Type -- This area will specify other conditions that are applicable to the entire facility that may not be tied to one specific pollutant.

Conditions -- Specific conditions usually applicable to the entire facility or compliance requirements.

Compliance Demonstration -- This area contains monitoring and testing requirements and methods to demonstrate compliance with the conditions.

PART II -- This section contains the general limitations that the permittee must abide by. These requirements are standard for most sources of air pollutants so they are included in this section with every permit.

**PART I**  
**APPLICABLE LIMITATIONS AND SPECIFIC CONDITIONS**

**A. S01, P01, C01 - Screen Printers and incinerator**

POLLUTANT	a. LIMITATIONS	b. COMPLIANCE DEMONSTRATION	c. REFERENCE TEST METHODS, RECORDKEEPING AND MONITORING
<p>1. Volatile Organic Compound (VOC) Emissions</p> <p><i>Continued on the Next Page. . .</i></p>	<p>(1) Each of the screen presses shall meet a limit of:                      (a) 3.3 pounds VOC per gallon of general purpose ink, excluding water, or                      (b) 6.7 pounds VOC per gallon of special purpose ink, excluding water.                      [s. NR 422.145(2)(a) and (b), Wis. Adm. Code]</p> <p>(2) The roll coater shall meet a limit of 6.7 pounds VOC per gallon of ink, excluding water, as applied. [s. NR 422.145(2)(c), Wis. Adm. Code]</p> <p>(3) Screen reclaimers shall meet a limit of 0.05 pounds VOC per square foot of screen cleaned, as a daily average emission rate. [s. NR 422.145(2)(d), Wis. Adm. Code]</p>	<p>(1) USEPA Method 24 results, Material Safety Data Sheets, or an equivalent document provided by the ink/coating/solvent supplier shall be used to demonstrate compliance with the VOC content limits. Any document used shall contain sufficient information on the material content to determine the VOC content in the units required by rule (i.e., pounds VOC per gallon, less water). [s. NR 407.09(1)(c)1.b., Wis. Adm. Code]</p> <p>(2) The screen reclaimers VOC limit shall be calculated by the following equation:  <math display="block">C = A / B</math>                     where:                      C = the daily average emission rate in pounds per square foot of screen reclaimed                      A = pounds of VOC used per day in screen reclamation, except that any VOCs directed into containers that prevent evaporation may be subtracted                      B = surface area in square feet of screens reclaimed each day                      [s. NR 407.09(4)(a)3.b., Wis. Adm. Code]</p>	<p>(1) Whenever compliance testing is required, for the volatile organic content of an ink or coating, USEPA Method 24 shall be used. When approved by the department, another USEPA approved Method may be substituted for the recommended test method. [s. NR 439.06(3)(b), Wis. Adm. Code]</p> <p>(2) The following records shall be kept for all inks, coatings and solvents for each day:                      (a) A unique name or identification for each material applied.                      (b) An indication of which VOC limit each material is subject to (general or special purpose ink).                      (c) The amount of solvent VOC used to reclaim screens, less the amount of solvent VOC reclaimed.                      (d) The VOC content of each material applied, in the <u>units necessary to demonstrate compliance</u>. [s. NR 439.04(1)(d), Wis. Adm. Code]</p>