

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - REVISED

PERMITTEE

Patterson Dental Company  
Attn: Helen Parker  
201 Kenyon Road  
P.O. Box 9004  
Champaign, Illinois 61826-9004

Application No.: 93010020                      I.D. No.: 019010AFC  
Applicant's Designation: PLANT 9551      Date Received: January 31, 2000  
Subject: Printing Presses  
Date Issued: April 6, 2000                      Expiration Date: October 5, 2000  
Location: Route 150 and Staley Road, Champaign

This permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of 32 coldset printing presses pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s)

- 1a. This federally enforceable state operating permit is issued to limit potential emissions of volatile organic material (VOM) from the source to less than major source thresholds (i.e., 25 tons/year for VOM), as further described in Attachment A. As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program permit.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permit(s) issued for this location.
- 2a. Operation of the printing press shall not exceed the following limits:

Ink Usage:  
1500 lbs/month; 18,000 lbs/yr; 60% VOM by weight

Fountain and Cleaning Solution Usages:  
500 gal/mo; 6,000 gal/yr; 7.5 lb/gal VOM

These limits define the potential emissions of the printing press and are based on the actual emissions determined from hourly unit capacity and volatile organic material content of the inks and solvents, emission standards, if applicable, and standard emission factors including 95% retention of the ink solvent in the web.

- b. Compliance with annual limits shall be determined on a monthly basis, from the sum of the data for the current month plus the preceding 11 months.
- 3a. Within 30 days of a written request from the Illinois EPA, the Permittee shall submit data on the volatile organic material content of representative inks, solvents, and fountain solutions as applied, determined by laboratory analysis in accordance with the 35 Ill. Adm. Code Section 218.105.
  - b. The submitted data shall include the VOM content of the inks, solvents, and fountain solutions, a justification of why these are representative, and a description of the sampling procedures and documentation for the analysis.
  - c. The Illinois EPA may provide additional time for the performance of this testing upon request from the Permittee which shows that it is not feasible to perform representative testing within 30 days.
- 4. The Permittee shall maintain monthly records of the following items:
  - i. Type and usage of all inks, fountain solutions, and cleaning solutions (gal/month and gal/yr)
  - ii. Volatile Organic Material emissions (lb/month and lb/yr)Volatile Organic Material emissions shall be calculated as follows:
$$\text{USAGE} \times \text{VOM CONTENT} \times (1 - \% \text{ RETENTION IN WEB}) = \text{EMISSIONS}$$
(inks only)
- 5. The records required by Condition 4 shall be retained at a readily accessible location at the plant for at least 3 years from the date of entry and shall be made available for inspection and copying by the Illinois EPA and USEPA upon request.
- 6. If there is an exceedance of the requirements of this permit as determined by the record required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance and Systems Management Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences. This report should be sent to:

Illinois Environmental Protection Agency  
Bureau of Air  
Compliance and Systems Management Section  
P.O. Box 19276  
Springfield, IL 62794-9276

7. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: annual ink usage, fountain solution usage, cleaning solution usage, diesel fuel usage, and natural gas usage from the prior calendar year. If there have been no exceedances during the prior calendar year the Annual Emissions Report shall include a statement to that effect.
8. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the nuisance.

It should be noted that this permit has been revised to include one press as described in Construction Permit 00010074, with no increase in operation or emissions.

If you have any questions on this, please call John Blazis at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

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cc: Illinois EPA, FOS Region 3  
Illinois EPA, FOS - CMU  
USEPA

Attachment A - Emissions Summary

Emissions from all printing presses:

	<u>VOM Content</u>	<u>Usage /Month</u>	<u>Retained in Web</u>	<u>Volatile Organic Material Emissions (Lb/Mo)</u>	<u>(T/Yr)</u>
Ink	60%	1,500 lb	95%	45	0.27
Fountain and Cleaning Solutions	7.50 lb/gal	500 gal	--	3,750	22.5

Fountain and cleaning solutions indicates total usage for the pressroom. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

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