

Project Summary

I. INTRODUCTION

This source has applied for a modification to their Clean Air Act Permit Program (CAAPP) operating permit for its existing operation. The CAAPP is the program established in Illinois for the operating permits for significant stationary sources required by the federal Clean Air Act, as amended in 1990. The conditions in a CAAPP permit are enforceable by both the Illinois Environmental Protection Agency (Illinois EPA) and the USEPA.

The source has requested a revision to the conditions of the CAAPP permit for the source. These modifications would increase the annual VOM emission limit on the inkjet printing cabinets by 6.8 tons. The annual VOM emission limit on the heatset web offset presses will be decreased by 6.8 tons. Therefore, there will be no increase in emissions. The annual ink usage limit for the heatset web offset presses will be increased by 4,265,856 pounds. The ink usage limit is able to be increased due to the 98% overall VOM control efficiency. The source wide permitted emissions in Condition 5.5.1 have been decreased by 13 tons.

Brown Printing Company, Woodstock Division is located at 11595 McConnell Road in Woodstock. This source is a commercial lithographic printing operation that uses heatset web offset lithographic printing presses, which are all controlled by natural gas fired RTOs, and inkjet printing cabinets. The products produced at this source are trade magazines.

II. EMISSION UNITS

Significant emission units at this source are as follows:

Emission Unit	Description	Date Constructed	Emission Control Equipment
01	Inkjet Printing Cabinets #1-16	3/96 3/98 (Modified)	None
	Inkjet Printing Cabinets #17-32	3/98	None
	Inkjet Printing Cabinets #33-48	7/02	None
02	Heatset Web Offset Lithographic Printing Press #4110/UV Coating Unit with Natural Gas Fired Dryer	3/98 (Press)	Natural Gas
		3/98 (RTO-1)	Fired RTO-1
		3/98 (RTO-2)	Natural Gas Fired RTO-2
		2/02 (RTO-3)	Natural Gas Fired RTO-3

Emission Unit	Description	Date Constructed	Emission Control Equipment
	Heatset Web Offset Lithographic Printing Press #4120 with Natural Gas Fired Dryer	3/98 (Press)	Natural Gas Fired RTO-1 Natural Gas Fired RTO-2 Natural Gas Fired RTO-3

Emission Unit	Description	Date Constructed	Emission Control Equipment
02 (Cont.)	Heatset Web Offset Lithographic Printing Press #4170 with Natural Gas Fired Dryer	3/98 (Press)	Natural Gas Fired RTO-1 Natural Gas Fired RTO-2 Natural Gas Fired RTO-3
	Heatset Web Offset Lithographic Printing Press #4130 with Natural Gas Fired Dryer	3/98 (Press)	Natural Gas Fired RTO-1 Natural Gas Fired RTO-2 Natural Gas Fired RTO-3
	Heatset Web Offset Lithographic Printing Press #4140/UV Coating Unit with Natural Gas Fired Dryer	3/98 (Press) 2/02 (UV Coating Unit)	Natural Gas Fired RTO-1 Natural Gas Fired RTO-2 Natural Gas Fired RTO-3
	Heatset Web Offset Lithographic Printing Press #4150 with Natural Gas Fired Dryer	3/98 (Press)	Natural Gas Fired RTO-1 Natural Gas Fired RTO-2 Natural Gas Fired RTO-3
	Heatset Web Offset Lithographic Printing Press #7 with Natural Gas Fired Dryer	3/98 (Press)	Natural Gas Fired RTO-1 Natural Gas Fired RTO-2 Natural Gas Fired RTO-3
	Heatset Web Offset Lithographic Printing Press #8 with Natural Gas Fired Dryer	3/98 (Press)	Natural Gas Fired RTO-1 Natural Gas Fired RTO-2 Natural Gas Fired RTO-3

III. EMISSIONS

This source is required to have a CAAPP permit since it is a major source of emissions.

For purposes of fees, the source is allowed the following emissions:

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Nitrogen Oxides (NO _x)	1.6
Particulate Matter (PM)	1.25
Sulfur Dioxide (SO ₂)	0.10
Volatile Organic Material (VOM)	62.25
HAP, not included in VOM or PM	19.40
Total	99.00

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board's emission standards. The Board's emission standards represent the basic requirements for sources in Illinois.

All emission sources in Illinois must comply with the federal New Source Performance Standards (NSPS). The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.

All emission sources in Illinois must comply with the federal National Emission Standards for Hazardous Air Pollutants (NESHAP). The Illinois EPA is administering NESHAP in Illinois on behalf of the United States EPA under a delegation agreement.

V. PROPOSED PERMIT

CAAPP

A CAAPP permit contains all conditions that apply to a source and a listing of the applicable state and federal air pollution control regulations that are the origin of the conditions. The permit also contains emission limits and appropriate compliance procedures. The appropriate compliance procedures may include inspections, work practices, monitoring, record keeping, and reporting to show compliance with these requirements. The Permittee must carry out these procedures on an on-going basis.

Title I

A combined Title I/CAAPP permit contains terms and conditions established by the Illinois EPA pursuant to authority found in Title I provisions, e.g., 40 CFR 52.21 - federal Prevention of Significant Deterioration (PSD) and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Notwithstanding the expiration date on the first

page of the permit, the Title I conditions remain in effect pursuant to Title I provisions until the Illinois EPA deletes or revises them in accordance with Title I procedures.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that this source's permit application meets the standards for issuance of a CAAPP permit. The Illinois EPA is therefore proposing to issue a CAAPP permit, subject to the conditions proposed in the draft permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 166.

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