

217/782-2113

TITLE V - CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT
and
TITLE I PERMIT¹

PERMITTEE

GBF Graphics, Inc.
Attn: John Mudge
7300 Niles Center Road
Skokie, Illinois 60077

Application No.: 95110014

I.D. No.: 031288AHA

Applicant's Designation:

Date Received: November 6, 1995

Operation of: Printing Presses

Date Issued: May 24, 2002

Expiration Date: May 23, 2007

Source Location: 7300 Niles Center Road, Cook County

Responsible Official: Lisa Hopson, Treasurer

This permit is hereby granted to the above-designated Permittee to OPERATE a printing plant, pursuant to the above referenced permit application. This permit is subject to the conditions contained herein.

If you have any questions concerning this, please call Anatoly Belogorsky at 217/782-2113.

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

DES:AB:psj

cc: Illinois EPA, FOS, Region 1
USEPA

¹ This permit may contain terms and conditions which address the applicability, and compliance if determined applicable, of Title I of the Clean Air Act and regulations promulgated thereunder, including 40 CFR 52.21 - federal Prevention of Significant Deterioration (PSD) and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Any such terms and conditions are identified within the permit.

² Except as provided in condition 8.7 of this permit.

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1.0 SOURCE IDENTIFICATION

1.1 Source

GBF Graphics, Inc.
7300 Nile Center Road
Skokie, Illinois 60077
847/677-1700

I.D. No.: 031288AHA
Standard Industrial Classification: 2759, Printing

1.2 Owner/Parent Company

GBF Graphics, Inc.
7300 Nile Center Road
Skokie, Illinois 60077

1.3 Operator

GBF Graphics, Inc.
7300 Nile Center Road
Skokie, Illinois 60077

Contact Person's Name:
John Mudge
847/677-1700, Ext. 6287

1.4 General Source Description of Source

GBF Graphics, Inc. is located in two buildings at 7300 and 7400 Nile Center Road in Skokie and operates heatset web offset lithographic printing presses, non-heatset web offset lithographic printing presses, flexographic printing presses, and imaging presses. These printing presses are the only significant emission units operated at this facility.

2.0 LIST OF ABBREVIATIONS/ACRONYMS USED IN THIS PERMIT

ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment Trading Unit
BAT	Best Available Technology
Btu	British thermal unit
°C	Degrees Celsius
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAM	Compliance Assurance Monitoring
Cd	Cadmium
CEMS	Continuous Emission Monitoring System
cfm	Cubic foot per minute
CFR	Code of Federal Regulations
CO	Carbon Monoxide
dscf	Dry standard cubic foot
dscm	Dry standard cubic meter
ERMS	Emission Reduction Market System
°F	Degrees Fahrenheit
ft	Feet
ft ³	Cubic Feet
G	Grams
gal	Gallons
gr	Grains
HAP	Hazardous Air Pollutant
HCl	Hydrogen Chloride
Hg	Mercury
HMIWI	Hospital/Medical/Infectious Waste Incinerator
hr	hour
IAC	Illinois Administrative Code
I.D. No.	Identification Number of Source, assigned by Illinois EPA
ILCS	Illinois Compiled Statutes
Illinois EPA	Illinois Environmental Protection Agency
kg	Kilogram
kW	kilowatts
L	liter
LAER	Lowest Achievable Emission Rate
lb	pound
MACT	Maximum Achievable Control Technology
mg	milligram
mmBtu	Million British thermal units
mmscf	Million standard cubic feet
mo	month

MW	Megawatts
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxides
Pb	Lead
NSPS	New Source Performance Standards
PM	Particulate Matter
PM ₁₀	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
ppm	parts per million
ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan
scf	Standard cubic feet
scm	Standard cubic meters
SO ₂	Sulfur Dioxide
T	Ton
TEQ	Toxic equivalency
T1	Title I - identifies Title I conditions that have been carried over from an existing permit
T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOM	Volatile Organic Material
wt. %	Weight percent
yr	year

3.0 INSIGNIFICANT ACTIVITIES

3.1 Identification of Insignificant Activities

The following activities at the source constitute insignificant activities as specified in 35 IAC 201.210:

- 3.1.1 Activities determined by the Illinois EPA to be insignificant activities, pursuant to 35 IAC 201.210(a)(1) and 201.211, as follows:

None

- 3.1.2 Activities that are insignificant activities based upon maximum emissions, pursuant to 35 IAC 201.210(a)(2) or (a)(3), as follows:

Manually operated degreasers

- 3.1.3 Activities that are insignificant activities based upon their type or character, pursuant to 35 IAC 201.210(a)(4) through (18), as follows:

None

- 3.1.4 Activities that are considered insignificant activities pursuant to 35 IAC 201.210(b).

None

3.2 Compliance with Applicable Requirements

Insignificant activities are subject to applicable requirements notwithstanding status as insignificant activities. In particular, in addition to regulations of general applicability, such as 35 IAC 212.301 and 212.123 (Condition 5.2.2), the Permittee shall comply with the following requirements, as applicable:

- 3.2.1 For each cold cleaning degreaser, the Permittee shall comply with the applicable equipment and operating requirements of 35 IAC 215.182, 218.182, or 219.182.

- 3.2.2 For each particulate matter process emission unit, the Permittee shall comply with the applicable particulate matter emission limit of 35 IAC 212.321 or 212.322. For example, the particulate matter emissions from a process emission unit shall not exceed 0.55 pounds per hour if the emission unit's process weight rate is 100 pounds per hour or less, pursuant to 35 IAC 266.110.

- 3.2.3 For each organic material emission unit that uses organic material, e.g., a mixer or printing line, the Permittee shall comply with the applicable VOM emission limit of 35

IAC 215.301, 218.301, or 219.301, which requires that organic material emissions not exceed 8.0 pounds per hour or do not qualify as photochemically reactive material as defined in 35 IAC 211.4690.

3.3 Addition of Insignificant Activities

- 3.3.1 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type that is identified in Condition 3.1, until the renewal application for this permit is submitted, pursuant to 35 IAC 201.212(a).
- 3.3.2 The Permittee must notify the Illinois EPA of any proposed addition of a new insignificant activity of a type addressed by 35 IAC 201.210(a) and 201.211 other than those identified in Condition 3.1, pursuant to Section 39.5(12)(b) of the Act.
- 3.3.3 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type identified in 35 IAC 201.210(b).

4.0 SIGNIFICANT EMISSION UNITS AT THIS SOURCE

Emission Unit	Equipment	Description	Emission Control Equipment
Group 1	Offset Lithographic Printing Lines	a. Five Heatset Web Lines (P1-P3, P19, P26)	Regenerative Thermal Oxidizer
		b. Two Non-Heatset Web Lines (P10,11,13,15)	None
Group 2	Flexographic Printing Lines	Two Flexographic Lines (C1 and C2)	None
Group 3	Imaging Printing Lines	Two Electro Presses	Two Catalytic Oxidizers

5.0 OVERALL SOURCE CONDITIONS

5.1 Source Description

- 5.1.1 This permit is issued based on the source requiring a CAAPP permit as a major source of VOM emissions.
- 5.1.2 This permit is issued based on the source not being a major source of HAPs.

5.2 Applicable Regulations

- 5.2.1 Specific emission units at this source are subject to particular regulations as set forth in Section 7 (Unit-Specific Conditions) of this permit.
- 5.2.2 In addition, emission units at this source are subject to the following regulations of general applicability:
 - a. No person shall cause or allow the emissions of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally overhead at a point beyond the property line of the source unless the wind speed is greater than 40.2 kilometers per hour (25 miles per hour), pursuant to 35 IAC 212.301 and 212.314.
 - b. Emissions of smoke or other particulate matter from any emission unit shall not exceed 30% opacity, except that opacity of greater than 30% but less than 60% shall be allowed for periods aggregating 8 minutes in any 60 minutes period provided that such more opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 305 m (1000 ft) radius from the center point of any such emission unit owned or operated by the Permittee and provided further that such more opaque emissions permitted from each such emission unit shall be limited to 3 times per 24 hour period pursuant to 35 IAC 212.123(a) and (b).
 - c. No person shall cause or allow the emissions of sulfur dioxide into the atmosphere from any process emission unit in excess of 2,000 ppm [35 IAC 214.301].
- 5.2.3 The Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

5.2.4 Risk Management Plan

Should this stationary source, as defined in 40 CFR Section 68.3, become subject to the Accidental Release Prevention regulations in 40 CFR Part 68, then the owner or operator shall submit [40 CFR 68.215(a)(2)(i) and (ii)]:

- a. A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or
- b. A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan (RMP), as part of the annual compliance certification required by 40 CFR Part 70 or 71.

5.2.5 Episode Action Plan

- a. If the source is required to have an episode action plan pursuant to 35 IAC 244.142, the Permittee shall maintain at the source and have on file with the Illinois EPA a written episode action plan (plan) for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The plan shall contain the information specified in 35 IAC 244.144.
- b. The Permittee shall immediately implement the appropriate steps described in this plan should an air pollution alert or emergency be declared.
- c. If a change occurs at the source which requires a revision of the plan (e.g., operational change, change in the source contact person), a copy of the revised plan shall be submitted to the Illinois EPA for review within 30 days of the change. Such plans

shall be further revised if disapproved by the Illinois EPA.

- d. For sources required to have a plan pursuant to 35 IAC 244.142, a copy of the original plan and any subsequent revisions shall be sent to:
 - i. Illinois EPA, Compliance Section; and
 - ii. For sources located in Cook County and outside of the city of Chicago: Cook County Department of Environmental Control; or
 - iii. For sources located within the city of Chicago: Chicago Department of Environmental Control.

- 5.2.6 a. Should this stationary source become subject to a regulation under 40 CFR Parts 60, 61, or 63, or 35 IAC after the date issued of this permit, then the owner or operator shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by 40 CFR Part 70 or 71.
- b. No later than upon the submittal for renewal of this permit, the owner or operator shall submit, as part of an application, the necessary information to address either the non-applicability of, or demonstrate compliance with all applicable requirements of any potentially applicable regulation which was promulgated after the date issued of this permit.

5.2.7 CAM Plan

This stationary source has a pollutant-specific emissions unit that is subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources. The source must submit a CAM plan for each affected pollutant-specific emissions unit upon application for renewal of the initial CAAPP permit, or upon a significant modification to the CAAPP permit for the construction or modification of a large pollutant-specific emissions unit which has the potential post-control device emissions of the applicable regulated air pollutant that equals or exceeds major source threshold levels.

5.3 Non-Applicability of Regulations of Concern

None

5.4 Source-Wide Operational and Production Limits and Work Practices

In addition to the source-wide requirements in the Standard Permit Conditions in Section 9, the Permittee shall fulfill the following source-wide operational and production limitations and/or work practice requirements:

None

5.5 Source-Wide Emission Limitations

5.5.1 Permitted Emissions for Fees

The annual emissions from the source shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. These limitations (Condition 5.5.1) are set for the purpose of establishing fees and are not federally enforceable.

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Volatile Organic Material (VOM)	66.07
Sulfur Dioxide (SO ₂)	---
Particulate Matter (PM)	---
Nitrogen Oxides (NO _x)	---
HAP, not included in VOM or PM	---
TOTAL	66.07

5.5.2 Emissions of Hazardous Air Pollutants

This permit is issued based on the emissions of HAPs as listed in Section 112(b) of the CAA not being equal to or exceeding 10 tons per year of a single HAP or 25 tons per year of any combination of such HAPs, so that this source is considered a minor source for HAPs.

5.5.3 Other Source-Wide Emission Limitations

N/A

5.6 General Recordkeeping Requirements

5.6.1 Emission records

The Permittee shall maintain records of the following items for the source to demonstrate compliance with Condition 5.5.1, pursuant to Section 39.5(7)(b) of the Act:

Total annual emissions on a calendar year basis for the emission units covered by Section 7 (Unit Specific Conditions) of this permit.

5.6.2 Retention and Availability of Records

- a. All records and logs required by this permit shall be retained for at least five years from the date of entry (unless a longer retention period is specified by the particular recordkeeping provision herein), shall be kept at a location at the source that is readily accessible to the Illinois EPA or USEPA, and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request.
- b. The Permittee shall retrieve and print, on paper during normal source office hours, any records retained in an electronic format (e.g., computer) in response to an Illinois EPA or USEPA request for records during the course of a source inspection.

5.7 General Reporting Requirements

5.7.1 General Source-Wide Reporting Requirements

The Permittee shall promptly notify the Illinois EPA Compliance Section of noncompliance with the permit requirements as follows, pursuant to Section 39.5(7)(f)(ii) of the Act. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken.

5.7.2 Annual Emissions Report

The annual emissions report required pursuant to Condition 9.7 shall contain emissions information for the previous calendar year.

5.8 General Operational Flexibility/Anticipated Operating Scenarios

N/A

5.9 General Compliance Procedures

5.9.1 General Procedures for Calculating Allowable Emissions

Compliance with the source-wide emission limits specified in Condition 5.5 shall be based on the recordkeeping and reporting requirements of Conditions 5.6 and 5.7, and compliance procedures in Section 7 (Unit Specific Conditions) of this permit.

6.0 EMISSIONS REDUCTION MARKET SYSTEM (ERMS)

6.1 Description of ERMS

The ERMS is a "cap and trade" market system for major stationary sources located in the Chicago ozone nonattainment area. It is designed to reduce VOM emissions from stationary sources to contribute to reasonable further progress toward attainment, as required by Section 182(c) of the CAA.

The ERMS addresses VOM emissions during a seasonal allotment period from May 1 through September 30. Participating sources must hold "allotment trading units" (ATUs) for their actual seasonal VOM emissions. Each year participating sources are issued ATUs based on allotments set in the sources' CAAPP permits. These allotments are established from historical VOM emissions or "baseline emissions" lowered to provide the emissions reductions from stationary sources required for reasonable further progress.

By December 31 of each year, the end of the reconciliation period following the seasonal allotment period, each source should have sufficient ATUs in its transaction account to cover its actual VOM emissions during the preceding season. A transaction account's balance as of December 31 will include any valid ATU transfer agreements entered into as of December 31 of the given year, provided such agreements are promptly submitted to the Illinois EPA for entry into the transaction account database. The Illinois EPA will then retire ATUs in sources' transaction accounts in amounts equivalent to their seasonal emissions. When a source does not appear to have sufficient ATUs in its transaction account, the Illinois EPA will issue a notice to the source to begin the process for Emissions Excursion Compensation.

In addition to receiving ATUs pursuant to their allotments, participating sources may also obtain ATUs from the market, including ATUs bought from other participating sources and general participants in the ERMS that hold ATUs (35 IAC 205.630) and ATUs issued by the Illinois EPA as a consequence of VOM emissions reductions from an Emissions Reduction Generator or an Intersector Transaction (35 IAC 205.500 and 35 IAC 205.510). During the reconciliation period, sources may also buy ATUs from a secondary reserve of ATUs managed by the Illinois EPA, the "Alternative Compliance Market Account" (ACMA) (35 IAC 205.710). Sources may also transfer or sell the ATUs that they hold to other sources or participants (35 IAC 205.630).

6.2 Applicability

Emissions of VOM from the source during the seasonal allotment period from May 1 through September 30 of each year shall not exceed 15 tons, not including VOM emissions from insignificant emission units and activities as identified in Section 3 of this permit. This limitation is established at the request of the

source to exempt it from the requirements of 35 IAC Part 205, Emissions Reduction Market System (ERMS), pursuant to 35 IAC 205.205.

6.3 Recordkeeping and Reporting

- a. The Permittee shall maintain the following records to determine compliance with the above limitation:
 - i. Records of operating data and other information for each individual emission unit or group of related emission units at the source, as specified in Sections 5 and 7 of this permit, as appropriate, to determine actual VOM emissions during the seasonal allotment period;
 - ii. Records of the VOM emissions, in tons, during the seasonal allotment period, with supporting calculations, for each individual emission unit or group of related emission units at the source, determined in accordance with the procedures specified in Sections 5 and 7 of this permit; and
 - iii. Total VOM emissions from the source, in tons, during each seasonal allotment period.
- b. The Permittee shall submit the seasonal emissions component of the Annual Emissions Report by November 30 of each year, reporting actual emissions of VOM during the seasonal allotment period, in accordance with 35 IAC 205.205(b) and 35 IAC 205.300.
- c. In the event that the source's VOM emissions during the seasonal allotment period exceed 15 tons, the source shall no longer be exempt from the ERMS and beginning with the following seasonal allotment period, shall comply with 35 IAC Part 205, by holding allotment trading units (ATUs) for its VOM emissions during each seasonal allotment period.

7.0 UNIT SPECIFIC CONDITIONS

7.1 Group 1: Offset Lithographic Printing Lines

7.1.1 Description

All heatset and non-heatset web offset lithographic printing presses print business forms and advertising. Each heatset press uses heatset and UV inks, fountain solution, and clean-up solvents. Each non-heatset press uses conventional and UV inks, fountain solution, and clean-up solvents. Tinting operations are also may be performed on non-heatset presses. Heatset presses are ducted into ovens which exhausts are directed through a regenerative thermal oxidizer to control emissions of VOM.

7.1.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Equipment	Description	Emission Control Equipment
Group 1	Offset Lithographic Printing Lines	a. Five Heatset Web Lines (P1-P3, P19, P26) Date of Construction: P1-1979 P2-1983 P3-1986 P19 - Prior to 1985 P26 - 1996 Oxidizer - 1996	Regenerative Thermal Oxidizer
		b. Four Non-Heatset Web Lines (P10,11,13 15) Date of Construction: P11-1979 P15-1994	None

7.1.3 Applicability Provisions and Applicable Regulations

- a. An "affected heatset web offset lithographic printing line" for the purpose of these unit specific conditions is a printing operation that includes heatset web offset lithographic printing press with dryer which is used to apply inks to paper and controlled by regenerative thermal oxidizer.
- b. An "affected non-heatset web offset lithographic printing line" for the purpose of these unit specific conditions is a printing operation that includes non-

heatset web offset lithographic printing and tinting operations.

- c. Each affected heatset web lithographic printing line is subject to limitations of 35 IAC 218.407(a)(1)(A) for as-applied fountain solution, which provides that:

No owner or operator of any heatset web offset lithographic printing line shall apply fountain solution with the VOM content exceeding the following limits:

- i. 1.6 percent, by volume; or
- ii. 3.0 percent, by volume, and the temperature of the fountain solution is maintained below 15.6 C (60 F), measured at the reservoir or the fountain tray; or
- iii. 5 percent or less, by volume, and the as-applied fountain solution contains no alcohol.

- d. Each affected non-heatset web offset lithographic printing line is subject to limitations of 35 IAC 218.407(a)(2) for as-applied fountain solution, which provides that no owner or operator shall apply fountain solution with the VOM content exceeding 5 percent by volume and containing an alcohol.

- e. Each affected heatset and non-heatset web offset lithographic printing line is subject to limitations of 35 IAC 218.407(a)(4)(A) and (B) for as-used cleaning solution, which provides that:

No owner or operator of any lithographic printing line shall apply the as-used cleaning solution with VOM content exceeding 30 percent, by weight, or the VOM composite partial vapor pressure exceeding 10 mmHg at 20 C (68 F).

- f. All affected heatset web offset lithographic printing lines are subject to the following requirements of 35 IAC 218.407(a)(1)(B), (C), (D) and (E):

- i. The air pressure in the dryer is maintained lower than the air pressure of the press room, such that air flow through all openings in the dryer, other than the exhaust, is into the dryer at all times when the printing line is operating;
- ii. An afterburner is installed and operated so that VOM emissions (excluding methane and

ethane) from the press dryer exhaust(s) are reduced by 90 percent, by weight;

- iii. The afterburner is equipped with the applicable monitoring equipment specified in Section 218.105(d)(2) and the monitoring equipment is installed, calibrated, operated, and maintained according to manufacturer's specifications at all times when the afterburner is in use; and
- iv. The afterburner is operated at all times when the printing line is in operation.
- g. All affected heatset web and non-heatset web offset lithographic printing lines are subject to requirements of 35 IAC 218.407(a)(5) for keeping cleaning materials, which provides that:

The VOM containing cleaning materials, including used cleaning towels associated with any lithographic printing line shall be kept, stored and disposed of in closed containers.

7.1.4 Non-Applicability of Regulations of Concern

None

7.1.5 Operational and Production Limits and Work Practices

- a. Natural gas shall be the only fuel fired on the affected heatset lithographic printing line.
- b. An oxidizer shall not be seasonally shut down as would be allowed in 35 IAC 218.107.
- c. The afterburner combustion chamber of the thermal oxidizer shall be preheated to the manufacturer's recommended temperature but not lower than 1400° F, before the printing operation is begun, and this temperature shall be maintained during operation of the affected heatset lithographic printing line.
- d. The Permittee shall follow good operating practices for the oxidizer, including periodic maintenance and repair of defects.

7.1.6 Emission Limitations

- a. i. Total combined emissions and operations of heatset web offset printing presses P1, P2, P3, and P19 shall not exceed the following limits:

<u>Material</u>	VOM Usage		VOM Emissions	
	<u>(T/mo)</u>	<u>(T/yr)</u>	<u>(T/mo)</u>	<u>(T/yr)</u>
VOM containing material (ink, fountain solution, clean-up solvent)	482.4	3,868.0	3.2	28.48

The above limitations are being established in this permit pursuant to Title I of the Clean Air Act, specifically 35 IAC Part 203, Major Stationary Sources Construction and Modification. The source has requested that the Illinois EPA establish emissions limitations and other appropriate terms and conditions in this permit that limit the VOM emissions from the Presses P1, P2, P3, and P19 below the levels that would trigger the applicability of these rules, consistent with the information provided in the CAAPP application [T1N].

- ii. 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 (running 12 month total) and calculated based on the compliance procedures in Condition 7.1.12.
- b. i. Total combined emissions and operations of heatset web offset printing press P26 shall not exceed the following limits:

<u>Material</u>	VOM Usage		VOM Emissions	
	<u>(T/mo)</u>	<u>(T/yr)</u>	<u>(T/mo)</u>	<u>(T/yr)</u>
VOM containing material (ink, fountain solution, clean-up solvent)	120.6	967.0	0.80	7.12

The above limitations were established in Permit 95100135, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- ii. 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 (running 12 month total)

and calculated based on the compliance procedures in Condition 7.1.12.

- c. i. Total combined emissions and operations of non-heatset web offset printing press P15 shall not exceed the following limits:

<u>Material</u>	VOM Usage		VOM Emissions	
	<u>(T/mo)</u>	<u>(T/yr)</u>	<u>(T/mo)</u>	<u>(T/yr)</u>
VOM containing material (ink, fountain solution, clean-up solvent)	1.0	8.02	0.36	2.89

The above limitations were established in Permit 95100135, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- ii. 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 (running 12 month total) and calculated based on the compliance procedures in Condition 7.1.12.

- d. i. Total combined emissions and operations of five non-heatset web offset printing presses P10,11,13 shall not exceed the following limits:

<u>Material</u>	VOM Usage		VOM Emissions	
	<u>(T/mo)</u>	<u>(T/yr)</u>	<u>(T/mo)</u>	<u>(T/yr)</u>
VOM containing material (ink, fountain solution, clean-up solvent)	1.9	19.4	0.63	5.98

The above limitations are being established in this permit pursuant to Title I of the Clean Air Act, specifically 35 IAC Part 203, Major Stationary Sources Construction and Modification. The source has requested that the Illinois EPA establish emissions limitations and other appropriate terms and conditions in this permit that limit the VOM emissions from the Presses P10, 11, and 13 below the levels that would trigger the

applicability of these rules, consistent with the information provided in the CAAPP application [T1N].

- ii. 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 (running 12 month total) and calculated based on the compliance procedures in Condition 7.1.12.
- e. i. Total combined emissions and operations from the tinting operations shall not exceed the following limits:

<u>Material</u>	<u>Usage</u>		<u>VOM</u>	<u>VOM</u>	<u>VOM Emissions</u>	
	<u>(T/mo)</u>	<u>(T/yr)</u>	<u>Content</u>	<u>Retention</u>	<u>(T/Mo)</u>	<u>(T/Yr)</u>
			<u>(Wt.%)</u>	<u>(%)</u>		
Tint	1.0	12.0	10	20	0.1	1.0

The above limitations were established in Permit 95100135, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- ii. 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 (running 12 month total).

7.1.7 Testing Requirements

- a. Upon request from the Illinois EPA or USEPA, testing to demonstrate compliance with the VOM content limitations contained in Conditions 7.1.6 for fountain solutions, cleaning solvents, inks, and tint shall be conducted, as follows:
 - i. The applicable test methods and procedures specified in 35 IAC 218.105(a) shall be used, provided, however, Method 24 shall be used to demonstrate compliance; or
 - ii. The manufacturer's specifications for VOM content for fountain solution additives, cleaning solvents, and inks may be used if such manufacturer's specifications are based on results of tests of the VOM content conducted in accordance with methods specified

in 35 IAC 218.105(a), provided, however, Method 24 shall be used to determine compliance.

- b. Upon request from the Illinois EPA or USEPA testing to determine the VOM composite partial vapor pressure of cleaning solvents, cleaning solvent concentrates, and as-used cleaning solutions shall be conducted. These tests shall be conducted in accordance with the applicable methods and procedures specified in 35 IAC 218.110 [35 IAC 218.409(e)].
- c. Upon request from the Illinois EPA or USEPA, pursuant to 35 IAC 218.409, the owner or operator shall conduct tests in accordance with procedures of 35 IAC 218.105(d) and (f) to measure the performance of the afterburner controlling affected heatset web offset lithographic printing lines. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing.
- d. Upon request from the Illinois EPA or USEPA the percent concentration of solvent in the VOM containing waste from the affected heatset lithographic printing line shall be determined in accordance with USEPA Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW-846), Test Method 8260.

7.1.8 Monitoring Requirements

- a. Fountain Solution
 - i. Fountain Solution Temperature
 - A. The owner or operator of any lithographic printing line relying on the temperature of the fountain solution shall install, maintain, and continuously operate a temperature monitor of the fountain solution in the reservoir or fountain tray, as applicable [35 IAC 218.410(a)(1)].
 - B. The temperature monitor must be capable of reading with an accuracy of 0.3°C or 0.5°F, and must be attached to an automatic, continuous recording device such as a strip chart, recorder, or computer, with at least the same accuracy, that is installed, calibrated and maintained in accordance with the manufacturer's specifications. If the

automatic, continuous recording device malfunctions, the owner or operator shall record the temperature of the fountain solution at least once every two operating hours. The automatic, continuous recording device shall be repaired or replaced as soon as practicable [35 IAC 218.410(a)(2)].

ii. Fountain Solution VOM Content

A. For a fountain solution to which VOM is not added automatically:

1. Maintain records of the VOM content of the fountain solution; or
2. Take a sample of the as-applied fountain solution from the fountain tray or reservoir, as applicable, each time a fresh batch of fountain solution is prepared or each time VOM is added to an existing batch of fountain solution in the fountain tray or reservoir, and shall determine compliance with the VOM content limitation of the as-applied fountain solution by using one of the following options:
 - With a refractometer or hydrometer with a visual, analog, or digital readout and with an accuracy of 0.5 percent. The refractometer or hydrometer must be calibrated with a standard solution for the type of VOM used in the fountain solution, in accordance with manufacturer's specifications, against measurements performed to determine compliance. The refractometer or hydrometer must be corrected for temperature at least once per 8-hour shift or once per batch of fountain solution prepared or modified, whichever is longer; or
 - With a conductivity meter if it is demonstrated that a refractometer and hydrometer cannot distinguish between compliant and noncompliant fountain solution for the type and amount of VOM in the fountain solution. A source may use a

conductivity meter if it demonstrates that both hydrometers and refractometers fail to provide significantly different measurements for standard solutions containing 95 percent, 100 percent and 105 percent of the applicable VOM content limit. The conductivity meter reading for the fountain solution must be referenced to the conductivity of the incoming water. A standard solution shall be used to calibrate the conductivity meter for the type of VOM used in the fountain solution, in accordance with manufacturer's specifications;

- B. For fountain solutions to which VOM is added at the source with automatic feed equipment, determine the VOM content of the as-applied fountain solution based on the setting of the automatic feed equipment which makes additions of VOM up to a pre-set level. The equipment used to make automatic additions must be installed, calibrated, operated and maintained in accordance with manufacturer's specifications.

b. Cleaning Solution

- i. The owner or operator of any lithographic printing line relying on the VOM content of the cleaning solution to comply with 35 IAC 218.(a)(4)(A) and Condition 7.1.3(e) of this permit must:

- A. For cleaning solutions that are prepared at the source with equipment that automatically mixes cleaning solvent and water (or other non-VOM):

- 1. Install, operate, maintain, and calibrate the automatic feed equipment in accordance with manufacturer's specifications to regulate the volume of each of the cleaning solvent and water (or other non-VOM), as mixed; and
- 2. Pre-set the automatic feed equipment so that the consumption of the cleaning solvent and water

(or other non-VOM), as applied,
comply with 23 IAC
218.407(a)(4)(A).

- B. For cleaning solutions that are not prepared at the source with automatic feed equipment, keep records of the usage of cleaning solvent and water (or other non-VOM) as set forth in 35 IAC 218.411(d)(2).
 - ii. The owner or operator of any lithographic printing line relying on the VOM composite partial vapor pressure of the solution to comply with limitation in Condition 7.1.3(e) must keep records for such cleaning solutions used on any such line [35 IAC 218.410(e)(2)].
- c. Afterburner
 - i. The temperature monitoring devices shall have accuracies of 3 C or 5 F. Monitoring shall be performed at all times when the afterburner is operating [35 IAC 218.410(c)(1)];
 - ii. The afterburner is equipped with the applicable monitoring equipment specified in Section 218.105(d)(2) and the monitoring equipment is installed, calibrated, operated, and maintained according to manufacturer's specifications at all times when the afterburner is in use. The continuous monitoring equipment must monitor the combustion chamber temperature of an afterburner.
 - iii. Each afterburner shall be equipped with a continuous recorder on the temperature monitoring device(s), such as a strip chart, recorder or computer, with at least the same accuracy as the temperature monitor [35 IAC 218.410(c)(2)].

7.1.9 Recordkeeping Requirements

The Permittee shall maintain records of the following items for affected heatset and non-heatset web offset lithographic printing lines to demonstrate compliance with conditions of this permit, pursuant to Section 39.5(7)(b) of the Act:

a. Afterburner and dryer

The owner or operator shall collect and record daily the following information for affected printing line [35 IAC 218.411(b)(3)]:

- i. Afterburner monitoring data;
- ii. A log of operating time for the afterburner, monitoring equipment, and associated printing line(s);
- iii. A maintenance log for the afterburner and monitoring equipment detailing all routine and non-routine maintenance performed, including dates and duration of any outages; and
- iv. A log detailing checks of the air flow direction or air pressure of the dryer and press room to insure compliance with the requirements of 35 IAC 218.407(a)(1)(B) at least once per 24-hour period while the line is operating.

b. Fountain Solution

- i. The owner or operator shall collect and record the name and identification of each batch of fountain solution prepared for use on one or more lithographic printing lines or centralized reservoir using such batch of fountain solution, and the applicable VOM content limitation for the batch [35 IAC 218.411(c)(2)(A)].
- ii. For each batch of as-applied fountain solution, the following information shall be collected and recorded, pursuant to 35 IAC 218.411(c)(2)(C):
 - A. Date and time of preparation and each subsequent modification of the batch;
 - B. Volume and VOM content of each component used in, or subsequently added to, the fountain solution batch;
 - C. Calculated VOM content in terms of volume percent of the as-applied fountain solution; and
 - D. Any other information necessary to demonstrate compliance with the applicable VOM content limits.

- iii. As an alternative, the owner or operator shall collect and record the following when a hydrometer, refractometer or conductivity meter is used to comply with the monitoring requirements [35 IAC 218.411(c)(2)(B)].
 - A. The date and time of preparation of each batch of fountain solution, and each subsequent modification, of the batch;
 - B. The results of each measurement taken in accordance with 35 IAC 218.410(b)(1)(B). Measurements are required to be taken each time a fresh batch of fountain solution is prepared or each time VOM is added to an existing batch of fountain solution;
 - C. Documentation of the periodic calibration of the meter in accordance with the manufacturer's specifications, including date and time of calibration, personnel conducting, identity of standard solution, and resultant reading; and
 - D. Documentation of the periodic temperature adjustment of the meter, including date and time of adjustment, personnel conducting and results.
- c. Cleaning Solution

For each batch of cleaning solution for which the owner or operator relies on the vapor pressure of the cleaning solution to comply with Condition 7.1.3(e), the Permittee shall collect and record the following information, pursuant to 35 IAC 218.411(d)(2)(C):

- i. The name and identification of each cleaning solution;
- ii. Date and time of preparation, and each subsequent modification, of the batch;
- iii. The molecular weight, density, and VOM composite partial vapor pressure of each cleaning solvent, as determined in accordance with Section 218.409(e) of this Subpart;
- iv. The total amount of each cleaning solvent used to prepare the as-used cleaning solution;

- v. The VOM composite partial vapor pressure of each as-used cleaning solution in mmHg at 20°C (68°F); and
 - vi. The owner or operator shall record the date, time and duration of scheduled inspections performed to confirm the proper use of closed containers to control VOM emissions, and any instances of improper use of closed containers, with descriptions of actual practice and corrective action taken, if any [35 IAC 218.411(d)(2)(D)].
- d. The Permittee shall maintain an operating log that states which method of compliance is being used for the cleaning and fountain solutions and the dates each method is used.
- e. To verify compliance with emission limitations in Conditions 5.5.1 and 7.1.6 the Permittee shall collect and record the following information for the lithographic presses:
- i. The VOM monthly and annual usage of ink, tint, fountain solution and cleaning solution applied on the following presses (separate records):
 - P1, P2, P3 and P19;
 - P26;
 - P10,11,13;
 - P15; and
 - Tinting.
 - ii. Monthly and annual usage (tons) of each ink, tint, fountain solution and cleaning solution for each group of printing presses established in Condition 7.1.9(e)(i);
 - iii. The VOM content (Wt.%) of each ink, fountain solution, cleaning solution and tint used and accompanied by a copy of the supporting information, e.g., supplier data sheet or laboratory analysis report;
 - iv. The amount of waste generated and solvent reclaimed on the affected heatset lithographic printing lines in units gallons/month;
 - v. The average density lb/gal and Wt.% of VOM in generated waste and solvent reclaimed.
 - vi. Total emissions of VOM from each group of presses described in Condition 7.1.9(e)(i) and

calculated based on the compliance procedures established in Condition 7.1.12.

7.1.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section of noncompliance with applicable requirements as follows:

The Permittee shall notify Illinois EPA in writing if the production and/or emission limitations contained in Conditions 7.1.3 and 7.1.6 are exceeded, within 30 days after the event occurs. Such notification shall include a copy of all records of such event.

7.1.11 Operational Flexibility/Anticipated Operating Scenarios

The Permittee is authorized to make the following physical or operational change with respect to the affected heatset/non-heatset printing lines without prior notification to the Illinois EPA or revision of this permit. This condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for the activity constituting construction or modification of the source, as defined in 35 IAC 201.102:

Usage of inks, fountain solutions, cleaning solvents and tint at this source, provided that the Permittee continues to comply with the Conditions 7.1.3 and 7.1.6 of this permit.

7.1.12 Compliance Procedures

Compliance of the affected heatset/non-heatset printing line with emission limits of this permit shall be determined based on the recordkeeping requirements from Condition 7.1.9 and the following emission factors and formulas listed below:

a. Compliance with emission limitations of Conditions 5.5.1 and 7.1.6:

i. Heatset Web Offset Lithographic Printing

The Permittee may presume 20% retention of ink VOM in the web, as stated in 35 IAC 218.411(a)(1)(B)(iii);

The Permittee may presume 70% capture of the fountain solution VOM by the afterburner system for affected printing line as stated in USEPA's Alternative Control Techniques

Document Offset Lithographic Printing (EPA 453/R-94-054, June 1994).

$$E1 = \text{VOM Contained in Ink} \times 0.8 \times (100 - \text{destruction efficiency}^*, \%) / 100$$

$$E2 = \text{VOM Contained in Fountain Solution} \times 0.7 \times [(100 - \text{destruction efficiency}^*, \%) / 100]$$

$$E3 = \text{VOM Contained in Fountain Solution} \times 0.3$$

$$E4 = \text{VOM Contained in Cleaning Solution} \times 0.5$$

$$W = \text{VOM containing waste} \times \text{waste density} \times \text{VOM content in waste}$$

$$\text{Total VOM Emissions } E_H = E1 + E2 + E3 + E4 - W$$

* Average destruction efficiency demonstrated during testing conducted on June 2, 1997 was 99.53%.

ii. Non-Heatset Web Offset Lithographic Printing

The Permittee may presume 95% retention of ink VOM in the web and 20% retention of tint VOM, as stated in 35 IAC 218.411(a)(1)(B)(iii).

$$E1 = \text{VOM Contained in Ink} \times 0.05$$

$$E2 = \text{Fountain Solution VOM Usage}$$

$$E3 = \text{VOM Cleaning Solution Usage} \times 0.5$$

$$E4 = \text{Tint Usage} \times \text{VOM content (Wt. \%)} \times 0.8$$

$$\text{Total VOM Emissions } E_{nh} = E1 + E2 + E3 + E4$$

iii. Total monthly/annual VOM emissions from heatset/non-heatset printing lines

$$\text{Total VOM emissions } E = E_H + E_{nh}$$

7.2 Group 2: Flexographic Printing Lines

7.2.1 Description

Flexographic inks are applied to preprinted rolls of paper and set by UV oven. A bindery operation may follow the printing operation. The printed paper is folded from the bindery operation or rewound for the next process.

7.2.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Equipment	Description	Emission Control Equipment
Group 2	Flexographic Printing Lines	Two Identical Flexographic Lines (C1 and C2) with UV Oven Date of Construction: C1 - 1984 C2 - 1991	None

7.2.3 Applicability Provisions and Applicable Regulations

- a. An "affected flexographic printing line" for the purpose of these unit-specific conditions is a printing operation that includes flexographic printing press with dryer, which is used to apply inks to paper.
- b. Flexographic printing lines, which are exempted from limitations of Section 218.401, are subject to Subpart G, pursuant to Section 218.402(b). No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission unit [35 IAC 218.301].

7.2.4 Non-Applicability of Regulations of Concern

- a. Affected flexographic printing lines (including solvents used for cleanup operations associated with flexographic printing line(s)) are exempted from the limitations of 35 IAC 218.401 because the potential to emit of VOM is limited to less than 25 T/year from all affected flexographic printing lines, pursuant to Condition 7.2.6 of this permit.
- b. Affected flexographic printing lines are not subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the flexographic and rotogravure printing, 40 CFR 63 Subpart KK, because these lines are not major for HAP emissions.

7.2.5 Operational and Production Limits and Work Practices

None

7.2.6 Emission Limitations

- a. Potential emissions of VOM from flexographic printing presses C1 and C2 are limited to less than 25 tons per year by Condition 7.2.6(b) and (c), therefore, this source is not subject to limitations of 35 IAC 218.401.
- b. Total combined emissions and operations of the flexographic presses C1 and C2 shall not exceed the following limits:

<u>Material</u>	<u>VOM Usage</u>		<u>VOM Emissions</u>	
	<u>(T/mo)</u>	<u>(T/yr)</u>	<u>(T/mo)</u>	<u>(T/yr)</u>
VOM Containing Materials (inks, cleaning solvents, etc.)	3.1	13.2	2.5	11.0

The above limitations are being established in this permit pursuant to Title I of the Clean Air Act, specifically 35 IAC Part 203, Major Stationary Sources Construction and Modification. The source has requested that the Illinois EPA establish emissions limitations and other appropriate terms and conditions in this permit that limit the VOM emissions the levels that would trigger the applicability of these rules, consistent with the information provided in the CAAPP application [T1N].

- c. 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 (running 12 month total) and calculated based on the compliance procedures in Condition 7.2.12.

7.2.7 Testing Requirements

Upon reasonable request by the Illinois EPA, the VOM content of specific inks, coatings, and cleaning solvents applied on the affected printing lines shall be determined according to USEPA Reference Methods 24 and 24A of 40 CFR 60 Appendix A and the procedure of 35 IAC 218.105(a).

7.2.8 Monitoring Requirements

None

7.2.9 Recordkeeping Requirements

- a. The Permittee shall collect and record all of the following information each year for each printing line and maintain the information at the source for a period of three years, pursuant to Section 218.404(b)(2):
 - i. The name and identification number of each ink as applied on each printing line;
 - ii. The VOM content and the volume of each ink as applied each year on each printing line.
- b. The Permittee shall collect and record all of the following information for affected printing lines C1 and C2 for verifying compliance with the limits contained in Condition 7.2.6:
 - i. Usage of each ink, cleaning solvents, and any other VOM containing materials on a monthly and annual basis in terms of pounds per month and tons per year;
 - ii. The VOM content of each ink, cleaning solvent, and any other VOM containing materials used in terms of % VOM by weight and accompanied by a copy of supporting information, e.g., supplier data sheet or laboratory analysis report; and
 - iii. Total VOM emissions from each affected printing line, calculated in accordance with procedure given in Condition 7.2.12, on a monthly and annual basis in terms of tons per month and tons per year.

7.2.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section of noncompliance of an affected printing lines with limitations established in Conditions 7.2.3(b) and 7.2.6 of this permit. Any record showing violation of these conditions shall be reported by sending a copy of such record with explanations to the Illinois EPA within 30 days following the occurrence of the violation.

7.2.11 Operational Flexibility/Anticipated Operating Scenarios

The Permittee is authorized to make the following physical or operational change with respect to the affected flexographic printing lines without prior notification to the Illinois EPA or revision of this permit. This condition does not affect the Permittee's obligation to

properly obtain a construction permit in a timely manner for any activity constituting construction or modification of the source, as defined in 35 IAC 201.102:

Usage of inks or cleaning solvents at these lines with various VOM contents provided that the source wide emission limitations in Condition 5.5.1 and limitations in Condition 7.2.6 are not exceeded and the affected lines remain in compliance with Condition 7.2.3(b).

7.2.12 Compliance Procedures

Compliance with the emission limits of Conditions 5.5.1 and 7.2.6 shall be based on the recordkeeping requirements in Condition 7.2.9 and calculated based on the following:

Ink VOM emissions = Ink Usage x VOM content

Cleaning Solvent VOM emissions = Cleaning Solvent Consumption

Total VOM emissions = Ink VOM emissions + Cleaning solvent VOM emissions

7.3 Group 3: Imaging Printing Lines

7.3.1 Description

Imaging printing lines are printing operations that include imaging printing presses E10 and E11 with oven and controlled by catalytic afterburner.

7.3.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Equipment	Description	Emission Control Equipment
Group 3	Imaging Printing Lines	Two Identical Imaging Printing Presses E10 and E11 Date of Construction: E10 - 1991 E11 - 1993	Two Catalytic Oxidizers

7.3.3 Applicability Provisions and Applicable Regulations

- a. An "affected imaging printing line" for the purpose of these unit-specific conditions is a printing operation that includes imaging printing press with oven and controlled by catalytic afterburner.
- b. Affected imaging printing lines are subject to the 81 percent an overall reduction in uncontrolled VOM emissions from each printing line, pursuant to Section 218.986(a).

7.3.4 Non-Applicability of Regulations of Concern

None

7.3.5 Operational and Production Limits and Work Practices

The catalytic oxidizers are operated at all times when the printing lines are in operation.

7.3.6 Emission Limitations

Total combined emissions and operations of the two imaging printing lines (E10 and E11) shall not exceed the following limits:

<u>Material</u>	<u>VOM Usage</u>		<u>VOM Emissions</u>	
	<u>(T/mo)</u>	<u>(T/yr)</u>	<u>(T/mo)</u>	<u>(T/yr)</u>
VOM Containing Materials (ispopar, Toner, ECA-8, etc.)	5.13	53.86	0.9	9.6

The above limitations were established in Permit 95100135, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

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 (running 12 month total).

7.3.7 Testing Requirements

- a. Testing for VOM content in inks, cleaning solvents, and other VOM containing materials shall be performed as follows [35 IAC 218.105(a), and Section 39.5(7)(b) of the Act]:

Upon reasonable request by the Illinois EPA, the VOM content of specific inks, cleaning solvents, and other VOM containing materials used on the affected imaging printing line shall be determined according to USEPA Reference Method 24 of 40 CFR 60 Appendix A and the procedure of 35 IAC 218.105(a).

- i. The VOM content of representative VOM containing materials "as applied" on the affected imaging printing line shall be determined according to USEPA Reference Method 24 of 40 CFR 60 Appendix A and the procedures of 35 IAC 218.105(a);
 - ii. This testing may be performed by the supplier of a material provided that the supplier provides appropriate documentation for such testing to the Permittee and the Permittee's records directly reflect the application of such material and separately account for any additions of solvent.
- b. Upon reasonable request from the Illinois EPA, pursuant to Section 218.988, the Permittee shall conduct tests in accordance with procedures of 35 IAC 218.105(c),(d),(e) and (f) to measure the performance of the afterburner and overall reduction of the uncontrolled VOM emissions from the affected imaging printing line.

7.3.8 Monitoring Requirements

The afterburner is equipped with the applicable monitoring equipment specified in Section 218.105(d)(2) and the monitoring equipment is installed, calibrated, operated, and maintained according to manufacturer's specifications at all times when the afterburner is in use. The continuous monitoring equipment must monitor the temperature rise across each catalytic afterburner bed or VOM concentration of exhaust.

7.3.9 Recordkeeping Requirements

- a. To verify compliance with Condition 7.3.3(b), the Permittee shall collect and record all of the following information each day and maintain the information at the source for a period of three years, pursuant to 35 IAC 218.991(2):
 - i. Control device monitoring data;
 - ii. A log of operating time for the capture system, control device, monitoring equipment and the associated printing line; and
 - iii. A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
- b. The Permittee shall collect and record all of the following information for affected printing lines for verifying compliance with the limits established in Condition 7.3.6:
 - i. Usage of each ink, coating, cleaning solvents, and any other VOM containing materials on a monthly and annual basis in terms of pounds per month and tons per year;
 - ii. The VOM content of each ink, coating, cleaning solvent, and any other VOM containing materials used in terms of % VOM by weight and accompanied by a copy of supporting information, e.g., supplier data sheet or laboratory analysis report; and
 - iii. Total VOM emissions from affected printing lines, calculated in accordance with procedures given in Condition 7.3.12, on a monthly and annual basis in terms of tons per month and tons per year.

7.3.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section of noncompliance of an affected printing lines with limitations established in Conditions 7.3.3(b) and 7.3.6 of this permit. Any record showing violation of these conditions shall be reported by sending a copy of such record with explanations to the Illinois EPA within 30 days following the occurrence of the violation.

7.3.11 Operational Flexibility/Anticipated Operating Scenarios

The Permittee is authorized to make the following physical or operational change with respect to the affected flexographic printing lines without prior notification to the Illinois EPA or revision of this permit. This condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for any activity constituting construction or modification of the source, as defined in 35 IAC 201.102:

Usage of inks, coatings or cleaning solvents at these lines with various VOM contents provided that the source wide emission limitations in Condition 5.5.1 and limitations in Condition 7.3.6 are not exceeded.

7.3.12 Compliance Procedures

Compliance with the emission limits of Conditions 5.5.1 and 7.3.6 shall be based on the recordkeeping requirements in Condition 7.3.9 and calculated based on the following:

$$\text{Ink VOM emissions} = \text{Ink Usage} \times \text{VOM content} \times 0.95 \times (100 - \text{overall reduction of VOM, Wt.})/100$$

$$\text{Cleaning Solvent VOM emissions} = \text{Cleaning Solvent Consumption} \times \text{VOM content}$$

$$\text{Total VOM emissions} = \text{Ink VOM emissions} + \text{Cleaning solvent VOM emissions}$$

8.0 GENERAL PERMIT CONDITIONS

8.1 Permit Shield

Pursuant to Section 39.5(7)(j) of the Act, the Permittee has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the Illinois EPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit.

This permit shield does not extend to applicable requirements which are promulgated after May 1, 1999 (the date of issuance of the draft permit) unless this permit has been modified to reflect such new requirements.

8.2 Applicability of Title IV Requirements (Acid Deposition Control)

This source is not an affected source under Title IV of the CAA and is not subject to requirements pursuant to Title IV of the CAA.

8.3 Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement [Section 39.5(7)(o)(vii) of the Act].

As of the date of issuance of this permit, there are no such economic incentive, marketable permit or emission trading programs that have been approved by USEPA.

8.4 Operational Flexibility/Anticipated Operating Scenarios

8.4.1 Changes Specifically Addressed by Permit

Physical or operational changes specifically addressed by the Conditions of this permit that have been identified as not requiring Illinois EPA notification may be implemented without prior notice to the Illinois EPA.

8.4.2 Changes Requiring Prior Notification

The Permittee is authorized to make physical or operational changes that contravene express permit terms without applying for or obtaining an amendment to this

permit, provided that [Section 39.5(12)(a)(i) of the Act]:

- a. The changes do not violate applicable requirements;
- b. The changes do not contravene federally enforceable permit terms or conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements;
- c. The changes do not constitute a modification under Title I of the CAA;
- d. Emissions will not exceed the emissions allowed under this permit following implementation of the physical or operational change; and
- e. The Permittee provides written notice to the Illinois EPA, Division of Air Pollution Control, Permit Section, at least 7 days before commencement of the change. This notice shall:
 - i. Describe the physical or operational change;
 - ii. Identify the schedule for implementing the physical or operational change;
 - iii. Provide a statement of whether or not any New Source Performance Standard (NSPS) is applicable to the physical or operational change and the reason why the NSPS does or does not apply;
 - iv. Provide emission calculations which demonstrate that the physical or operational change will not result in a modification; and
 - v. Provide a certification that the physical or operational change will not result in emissions greater than authorized under the Conditions of this permit.

8.5 Testing Procedures

Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of any tests conducted as required by this permit or as the result of a request by the Illinois EPA shall be submitted as specified in Condition 8.6.

8.6 Reporting Requirements

8.6.1 Monitoring Reports

If monitoring is required by any applicable requirements or conditions of this permit, a report summarizing the required monitoring results, as specified in the conditions of this permit, shall be submitted to the Air Compliance Section of the Illinois EPA every six months as follows [Section 39.5(7)(f) of the Act]:

<u>Monitoring Period</u>	<u>Report Due Date</u>
January - June	September 1
July - December	March 1

All instances of deviations from permit requirements must be clearly identified in such reports. All such reports shall be certified in accordance with Condition 9.9.

8.6.2 Test Notifications

Unless otherwise specified elsewhere in this permit, a written test plan for any test required by this permit shall be submitted to the Illinois EPA for review at least 60 days prior to the testing pursuant to Section 39.5(7)(a) of the Act. The notification shall include at a minimum:

- a. The name and identification of the affected unit(s);
- b. The person(s) who will be performing sampling and analysis and their experience with similar tests;
- c. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the source and any control equipment will be determined;
- d. The specific determination of emissions and operation which are intended to be made, including sampling and monitoring locations;
- e. The test method(s) which will be used, with the specific analysis method, if the method can be used with different analysis methods;
- f. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification; and

- g. Any proposed use of an alternative test method, with detailed justification.

8.6.3 Test Reports

Unless otherwise specified elsewhere in this permit, the results of any test required by this permit shall be submitted to the Illinois EPA within 60 days of completion of the testing. The test report shall include at a minimum [Section 39.5(7)(e)(i) of the Act]:

- a. The name and identification of the affected unit(s);
- b. The date and time of the sampling or measurements;
- c. The date any analyses were performed;
- d. The name of the company that performed the tests and/or analyses;
- e. The test and analytical methodologies used;
- f. The results of the tests including raw data, and/or analyses including sample calculations;
- g. The operating conditions at the time of the sampling or measurements; and
- h. The name of any relevant observers present including the testing company's representatives, any Illinois EPA or USEPA representatives, and the representatives of the source.

8.6.4 Reporting Addresses

- a. The following addresses should be utilized for the submittal of reports, notifications, and renewals:
 - i. Illinois EPA - Air Compliance Section

Illinois Environmental Protection Agency
Bureau of Air
Compliance Section (MC 40)
P.O. Box 19276
Springfield, Illinois 62794-9276
 - ii. Illinois EPA - Air Regional Field Office

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

iii. Illinois EPA - Air Permit Section

Illinois Environmental Protection Agency
Division of Air Pollution Control
Permit Section (MC 11)
P.O. Box 19506
Springfield, Illinois 62794-9506

iv. USEPA Region 5 - Air Branch

USEPA (AE - 17J)
Air & Radiation Division
77 West Jackson Boulevard
Chicago, Illinois 60604

- b. Unless otherwise specified in the particular provision of this permit, reports shall be sent to the Illinois EPA - Air Compliance Section with a copy sent to the Illinois EPA - Air Regional Field Office.

8.7 Obligation to Comply with Title I Requirements

Any term, condition, or requirement identified in this permit by T1, T1R, or T1N is established or revised pursuant to 35 IAC Part 203 or 40 CFR 52.21 ("Title I provisions") and incorporated into this permit pursuant to both Section 39.5 and Title I provisions. Notwithstanding the expiration date on the first page of this 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.

9.0 STANDARD PERMIT CONDITIONS

9.1 Effect of Permit

9.1.1 The issuance of this permit does not release the Permittee from compliance with State and Federal regulations which are part of the Illinois State Implementation Plan, as well as with other applicable statutes and regulations of the United States or the State of Illinois or applicable ordinances, except as specifically stated in this permit and as allowed by law and rule [Section 39.5(7)(j)(iv) of the Act].

9.1.2 In particular, this permit does not alter or affect the following:

- a. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section;
- b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- c. The applicable requirements of the acid rain program consistent with Section 408(a) of the CAA; and
- d. The ability of USEPA to obtain information from a source pursuant to Section 114 (inspections, monitoring, and entry) of the CAA.

9.1.3 Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

9.2 General Obligations of Permittee

9.2.1 Duty to Comply

The Permittee must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action, permit termination, revocation and reissuance, modification, or denial of a permit renewal application [Section 39.5(7)(o)(i) of the Act].

The Permittee shall meet applicable requirements that become effective during the permit term in a timely manner unless an alternate schedule for compliance with the applicable requirement is established.

9.2.2 Duty to Maintain Equipment

The Permittee shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements.

9.2.3 Duty to Cease Operation

No person shall cause, threaten or allow the continued operation of any emission unit during malfunction or breakdown of the emission unit or related air pollution control equipment if such operation would cause a violation of an applicable emission standard, regulatory requirement, ambient air quality standard or permit limitation unless such malfunction or breakdown is allowed by a permit condition [Section 39.5(6)(c) of the Act].

9.2.4 Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated thereunder.

9.2.5 Duty to Pay Fees

The Permittee must pay fees to the Illinois EPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto [Section 39.5(7)(o)(vi) of the Act]. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois Environmental Protection Agency, P.O. Box 19276, Springfield, Illinois 62794-9276.

9.3 Obligation to Allow Illinois EPA Surveillance

Upon presentation of proper credentials and other documents, the Permittee shall allow the Illinois EPA, or an authorized representative to perform the following [Section 39.5(7)(a) and (p)(ii) of the Act and 415 ILCS 5/4]:

- a. Enter upon the Permittee's premises where an actual or potential emission unit is located; where any regulated equipment, operation, or activity is located or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect during hours of operation any sources, equipment (including monitoring and air pollution control

equipment), practices, or operations regulated or required under this permit;

- d. Sample or monitor any substances or parameters at any location:
 - i. At reasonable times, for the purposes of assuring permit compliance; or
 - ii. As otherwise authorized by the CAA, or the Act.
- e. Obtain and remove samples of any discharge or emission of pollutants authorized by this permit; and
- f. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

9.4 Obligation to Comply with Other Requirements

The issuance of this permit does not release the Permittee from applicable State and Federal laws and regulations, and applicable local ordinances addressing subjects other than air pollution control.

9.5 Liability

9.5.1 Title

This permit shall not be considered as in any manner affecting the title of the premises upon which the permitted source is located.

9.5.2 Liability of Permittee

This permit does not release the Permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the sources.

9.5.3 Structural Stability

This permit does not take into consideration or attest to the structural stability of any unit or part of the source.

9.5.4 Illinois EPA Liability

This permit in no manner implies or suggests that the Illinois EPA (or its officers, agents or employees) assumes any liability, directly or indirectly, for any

loss due to damage, installation, maintenance, or operation of the source.

9.5.5 Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege [Section 39.5(7)(o)(iv) of the Act].

9.6 Recordkeeping

9.6.1 Control Equipment Maintenance Records

A maintenance record shall be kept on the premises for each item of air pollution control equipment. As a minimum, this record shall show the dates of performance and nature of preventative maintenance activities.

9.6.2 Records of Changes in Operation

A record shall be kept describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes [Section 39.5(12)(b)(iv) of the Act].

9.6.3 Retention of Records

- a. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit [Section 39.5(7)(e)(ii) of the Act].
- b. Other records required by this permit shall be retained for a period of at least 5 years from the date of entry unless a longer period is specified by a particular permit provision.

9.7 Annual Emissions Report

The Permittee shall submit an annual emissions report to the Illinois EPA, Compliance Section no later than May 1 of the following year, as required by 35 IAC Part 254.

9.8 Requirements for Compliance Certification

Pursuant to Section 39.5(7)(p)(v) of the Act, the Permittee shall submit annual compliance certifications. The compliance

certifications shall be submitted no later than May 1 or more frequently as specified in the applicable requirements or by permit condition. The compliance certifications shall be submitted to the Air Compliance Section, Air Regional Field Office, and USEPA Region 5 - Air Branch. The addresses for the submittal of the compliance certifications are provided in Condition 8.6.4 of this permit.

- a. The certification shall include the identification of each term or condition of this permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- b. All compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the Illinois EPA.
- c. All compliance reports required to be submitted shall include a certification in accordance with Condition 9.9.

9.9 Certification

Any document (including reports) required to be submitted by this permit shall contain a certification by a responsible official of the Permittee that meets the requirements of Section 39.5(5) of the Act [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included as an attachment to this permit.

9.10 Defense to Enforcement Actions

9.10.1 Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit [Section 39.5(7)(o)(ii) of the Act].

9.10.2 Emergency Provision

- a. An emergency shall be an affirmative defense to an action brought for noncompliance with the technology-based emission limitations under this permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:
 - i. An emergency occurred as provided in Section 39.5(7)(k) of the Act and the Permittee can identify the cause(s) of the emergency.

Normally, an act of God such as lightning or flood is considered an emergency;

- ii. The permitted source was at the time being properly operated;
 - iii. The Permittee submitted notice of the emergency to the Illinois EPA within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - iv. During the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or regulations in this permit.
- b. This provision is in addition to any emergency or upset provision contained in any applicable requirement. This provision does not relieve a Permittee of any reporting obligations under existing federal or state laws or regulations.

9.11 Permanent Shutdown

This permit only covers emission units and control equipment while physically present at the indicated source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

9.12 Reopening and Reissuing Permit for Cause

9.12.1 Permit Actions

This permit may be modified, reopened, and reissued, for cause pursuant to Section 39.5(15) of the Act. The filing of a request by the Permittee for a permit modification, revocation, and reissuance, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition [Section 39.5(7)(o)(iii) of the Act].

9.12.2 Reopening and Revision

This permit must be reopened and revised if any of the following occur [Section 39.5(15)(a) of the Act]:

- a. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- b. Additional requirements become applicable to an affected source for acid deposition under the acid rain program;
- c. The Illinois EPA or USEPA determines that this permit contains a material mistake or inaccurate statement when establishing the emission standards or limitations, or other terms or conditions of this permit; and
- d. The Illinois EPA or USEPA determines that this permit must be revised to ensure compliance with the applicable requirements of the Act.

9.12.3 Inaccurate Application

The Illinois EPA has issued this permit based upon the information submitted by the Permittee in the permit application. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation under Section 39.5(15)(b) of the Act.

9.12.4 Duty to Provide Information

The Permittee shall furnish to the Illinois EPA, within a reasonable time specified by the Illinois EPA any information that the Illinois EPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to the Illinois EPA copies of records required to be kept by this permit, or for information claimed to be confidential, the Permittee may furnish such records directly to USEPA along with a claim of confidentiality [Section 39.5(7)(o)(v) of the Act].

9.13 Severability Clause

The provisions of this permit are severable, and should any one or more be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected. The rights and obligations of the Permittee shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements

underlying these provisions shall remain in force [Section 39.5(7)(i) of the Act].

9.14 Permit Expiration and Renewal

The right to operate terminates on the expiration date unless the Permittee has submitted a timely and complete renewal application. For a renewal to be timely it must be submitted no later than 9 and no sooner than 12 months prior to expiration. The equipment may continue to operate during the renewal period until final action is taken by the Illinois EPA, in accordance with the original permit conditions [Section 39.5(5)(1), (n), and (o) of the Act].

10.0 ATTACHMENTS

10.1 Attachment 1 Example Certification by a Responsible Official

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____

Name: _____

Official Title: _____

Telephone No.: _____

Date Signed: _____

10.2 Attachment 2 Guidance on Revising This Permit

The Permittee must submit an application to the Illinois EPA using the appropriate revision classification in accordance with Sections 39.5(13) and (14) of the Act and 35 IAC 270.302. Specifically, there are currently three classifications for revisions to a CAAPP permit. These are:

1. Administrative Permit Amendment;
2. Minor Permit Modification; and
3. Significant Permit Modification.

The Permittee must determine, request, and submit the necessary information to allow the Illinois EPA to use the appropriate procedure to revise the CAAPP permit. A brief explanation of each of these classifications follows.

1. Administrative Permit Amendment
 - Corrects typographical errors;
 - Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at the source;
 - Requires more frequent monitoring or reporting by the Permittee;
 - Allows for a change in ownership or operational control of the source where no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new Permittees has been submitted to the Illinois EPA;
 - Incorporates into the CAAPP permit a construction permit, provided the conditions of the construction permit meet the requirements for the issuance of CAAPP permits; or
 - Incorporates into the CAAPP permit revised limitations or other requirements resulting from the application of an approved economic incentives rule, marketable permits rule, or generic emissions trading rule.
2. Minor Permit Modification
 - Do not violate any applicable requirement;

- Do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;
- Do not require a case-by-case determination of an emission limitation or other standard, or a source-specific determination of ambient impacts, or a visibility or increment analysis;
- Do not seek to establish or change a permit term or condition for which there is no corresponding underlying requirement and which avoids an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
 - A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the CAA; and
 - An alternative emissions limit approved pursuant to regulations promulgated under Section 112(i)(5) of the CAA.
- Are not modifications under any provision of Title I of the CAA; and
- Are not required to be processed as a significant permit modification.

An application for a minor permit modification shall include the following:

- A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
- The source's suggested draft permit/conditions;
- Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
- Information as contained on form 271-CAAPP for the Illinois EPA to use to notify USEPA and affected States.

3. Significant Permit Modification

- Applications that do not qualify as either minor permit modifications or as administrative permit amendments;
- Applications requesting a significant change in existing monitoring permit terms or conditions;
- Applications requesting a relaxation of reporting or recordkeeping requirements; and
- Cases in which, in the judgment of the Illinois EPA, action on an application for modification would require decisions to be made on technically complex issues.

An application for a significant permit modification shall include the following:

- A detailed description of the proposed change(s), including all physical changes to equipment, changes in the method of operation, changes in emissions of each pollutant, and any new applicable requirements which will apply as a result of the proposed change. Note that the Permittee need only submit revised forms for equipment and operations that will be modified.

The Illinois EPA requires the information on the following appropriate forms to be submitted in accordance with the proper classification:

- Form 273-CAAPP, REQUEST FOR ADMINISTRATIVE PERMIT AMENDMENT FOR CAAPP PERMIT; or
- Form 271-CAAPP, MINOR PERMIT MODIFICATION FOR CAAPP PERMIT; or
- Form 200-CAAPP, APPLICATION FOR CAAPP PERMIT (for significant modification).

Application forms can be obtained from the Illinois EPA website at <http://www.epa.state.il.us/air/forms>.

Note that the request to revise the permit must be certified for truth, accuracy, and completeness by a responsible official.

Note that failure to submit the required information may require the Illinois EPA to deny the application. The Illinois EPA reserves the right to require that additional information be submitted as needed to evaluate or take final action on applications pursuant to Section 39.5(5)(g) of the Act and 35 IAC 270.305.



Illinois Environmental Protection Agency
Division Of Air Pollution Control -- Permit Section
P.O. Box 19506
Springfield, Illinois 62794-9506

Application For Construction Permit (For CAAPP Sources Only)	For Illinois EPA use only
	ID number:
	Permit number:
	Date received:

This form is to be used by CAAPP sources to supply information necessary to obtain a construction permit. Please attach other necessary information and completed CAAPP forms regarding this construction/modification project.

Source Information		
1. Source name:		
2. Source street address:		
3. City:	4. Zip code:	
5. Is the source located within city limits? <input type="checkbox"/> Yes <input type="checkbox"/> No		
6. Township name:	7. County:	8. ID number:

Owner Information		
9. Name:		
10. Address:		
11. City:	12. State:	13. Zip code:

Operator Information (if different from owner)		
14. Name		
15. Address:		
16. City:	17. State:	18. Zip code:

Applicant Information	
19. Who is the applicant? <input type="checkbox"/> Owner <input type="checkbox"/> Operator	20. All correspondence to: (check one) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Source
21. Attention name and/or title for written correspondence:	
22. Technical contact person for application:	23. Contact person's telephone number:

This Agency is authorized to require and you must disclose this information under 415 ILCS 5/39. Failure to do so could result in the application being denied and penalties under 415 ILCS 5 et seq. It is not necessary to use this form in providing this information. This form has been approved by the forms management center.

Summary Of Application Contents	
24. Does the application address whether the proposed project would constitute a new major source or major modification under each of the following programs: a) Non-attainment New Source Review – 35 IAC Part 203; b) Prevention of Significant Deterioration (PSD) – 40 CFR 52.21; c) Hazardous Air Pollutants: Regulations Governing Constructed or Reconstructed Major Sources – 40 CFR Part 63?	<input type="checkbox"/> Yes <input type="checkbox"/> No
25. Does the application identify and address all applicable emissions standards, including those found in the following: a) Board Emission Standards – 35 IAC Chapter I, Subtitle B; b) Federal New Source Performance Standards – 40 CFR Part 60; c) Federal Standards for Hazardous Air Pollutants – 40 CFR Parts 61 and 63?	<input type="checkbox"/> Yes <input type="checkbox"/> No
26. Does the application include a process flow diagram(s) showing all emission units and control equipment, and their relationship, for which a permit is being sought?	<input type="checkbox"/> Yes <input type="checkbox"/> No
27. Does the application include a complete process description for the emission units and control equipment for which a permit is being sought?	<input type="checkbox"/> Yes <input type="checkbox"/> No
28. Does the application include the information as contained in completed CAAPP forms for all appropriate emission units and air pollution control equipment, listing all applicable requirements and proposed exemptions from otherwise applicable requirements, and identifying and describing any outstanding legal actions by either the USEPA or the Illinois EPA? Note: The use of "APC" application forms is not appropriate for applications for CAAPP sources. CAAPP forms should be used to supply information.	<input type="checkbox"/> Yes <input type="checkbox"/> No
29. If the application contains TRADE SECRET information, has such information been properly marked and claimed, and have two separate copies of the application suitable for public inspection and notice been submitted, in accordance with applicable rules and regulations?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Applicable, No TRADE SECRET information in this application

Note 1: Answering "No" to any of the above may result in the application being deemed incomplete.

Signature Block	
This certification must be signed by a responsible official. Applications without a signed certification will be returned as incomplete.	
30. I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate and complete. Authorized Signature:	
BY:	_____
_____	_____
AUTHORIZED SIGNATURE	TITLE OF SIGNATORY
_____	_____ / _____ / _____
TYPED OR PRINTED NAME OF SIGNATORY	DATE

Note 2: An operating permit for the construction/modification permitted in a construction permit must be obtained by applying for the appropriate revision to the source's CAAPP permit, if necessary.

10.4 Attachment 4 Guidance on Renewing This Permit

Timeliness - Pursuant to Section 39.5(5)(n) of the Act and 35 IAC 270.301(d), a source must submit to the Illinois EPA a complete CAAPP application for the renewal of a CAAPP permit not later than 9 months before the date of permit expiration of the existing CAAPP permit in order for the submittal to be deemed timely. Note that the Illinois EPA typically sends out renewal notices approximately 18 months prior to the expiration of the CAAPP permit.

The CAAPP application must provide all of the following information in order for the renewal CAAPP application to be deemed complete by the Illinois EPA:

1. A completed renewal application form 200-CAAPP, APPLICATION FOR CAAPP PERMIT.
2. A completed compliance plan form 293-CAAPP, COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE FOR CAAPP PERMIT.
3. A completed compliance certification form 296-CAAPP, COMPLIANCE CERTIFICATION, signed by the responsible official.
4. Any applicable requirements that became effective during the term of the permit and that were not included in the permit as a reopening or permit revision.
5. If this is the first time this permit is being renewed and this source has not yet addressed CAM, the application should contain the information on form 464-CAAPP, COMPLIANCE ASSURANCE MONITORING (CAM) PLAN.
6. Information addressing any outstanding transfer agreement pursuant to the ERMS.
7. a. If operations of an emission unit or group of emission units remain unchanged and are accurately depicted in previous submittals, the application may contain a letter signed by a responsible official that requests incorporation by reference of existing information previously submitted and on file with the Illinois EPA. This letter must also include a statement that information incorporated by reference is also being certified for truth and accuracy by the responsible official's signing of the form 200-CAAPP, APPLICATION FOR CAAPP PERMIT and the form 296-CAAPP, COMPLIANCE CERTIFICATION. The boxes should be marked yes on form 200-CAAPP, APPLICATION FOR CAAPP PERMIT, as existing information is being incorporated by reference.

- b. If portions of current operations are not as described in previous submittals, then in addition to the information above for operations that remain unchanged, the application must contain the necessary information on all changes, e.g., discussion of changes, new or revised CAAPP forms, and a revised fee form 292-CAAPP, FEE DETERMINATION FOR CAAPP PERMIT, if necessary.
8. Information about all off-permit changes that were not prohibited or addressed by the permit to occur without a permit revision and the information must be sufficient to identify all applicable requirements, including monitoring, recordkeeping, and reporting requirements, for such changes.
9. Information about all changes made under 40 CFR 70.4(b)(12)(i) and (ii) that require a 7-day notification prior to the change without requiring a permit revision.

The Illinois EPA will review all applications for completeness and timeliness. If the renewal application is deemed both timely and complete, the source shall continue to operate in accordance with the terms and conditions of its CAAPP permit until final action is taken on the renewal application.

Notwithstanding the completeness determination, the Illinois EPA may request additional information necessary to evaluate or take final action on the CAAPP renewal application. If such additional information affects your allowable emission limits, a revised form 292-CAAPP, FEE DETERMINATION FOR CAAPP PERMIT must be submitted with the requested information. The failure to submit to the Illinois EPA the requested information within the time frame specified by the Illinois EPA, may force the Illinois EPA to deny your CAAPP renewal application pursuant to Section 39.5 of the Act.

Application forms may be obtained from the Illinois EPA website at <http://www.epa.state.il.us/air/forms.html>.

If you have any questions regarding this matter, please contact a permit analyst at 217/782-2113.

Mail renewal applications to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Permit Section (MC 11)
P.O. Box 19506
Springfield, Illinois 62794-9506

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