# Illinois Environmental Protection Agency

## Supplemental Form – Printing and Publishing

Illinois Environmental Protection Agency
Bureau of Air – Permit Section (MC 11)
2520 West Iles Ave
P.O. Box 19276
Springfield, IL 62794-9276

Date Form Received

This form is used to provide information supplementing the 220-CAAPP form. A single 302-CAAPP form may be used for multiple similar emission units where the information contained on this form is identical between the emission units.

### General Information

Source Name: _____
Source ID Number: _____
CAAPP Permit Number: _____

### Printing Line Information

Name of Printing Line (should match 220-CAAPP): _____
Type Of Press (e.g., heatset-web-offset lithographic): _____
Substrate Material (e.g., newspaper): _____
Substrate Feed Method (e.g., continuous web): _____
Drying Method (e.g., 2-stage oven): _____
Final Product (e.g., newspaper insert): _____

If coating operations are also being performed on this line, explain (note: if both printing and coating are performed, then the coating operation form 301-CAAPP should also be submitted for this line):

The Illinois EPA is authorized to require, and you must disclose, the requested information on this form pursuant to the Environmental Protection Act ("Act"), 415 ILCS 5/1 et seq., and its implementing regulations. This information shall be provided using either this form or in an alternative manner at your discretion. Failure to disclose the information may result in an incomplete application and other penalties as provided for in the Act, 415 ILCS 5/42-45. Intentional falsification of the information in this form may result in significant criminal and civil penalties as provided by law.

Indicate which of the following compliance methods is to be used:

☐ Use of Compliant Inks/Coatings Only ☐ Add-On Control

☐ Daily-Weighted Average ☐ Combination of the Preceding

If the printing line is to comply with a daily-weighted average, then provide detailed information and calculations that demonstrate compliance to the applicable rule(s) and explain the means by which ongoing compliance will be demonstrated. Attach and label this information as Exhibit 302-1.

## Material Usage Information

Complete the following for each ink and coating used on this line:

| Generic Name (e.g., black ink) | Density (lb/gal) | Maximum Annual Usage (gal/yr) | Typical Annual Usage (gal/yr) |
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Complete the following for each VOM containing dilution material used on this line:

| Generic Name (e.g., toluene) | Density (lb/gal) | Maximum Annual Usage (gal/yr) | Typical Annual Usage (gal/yr) |
|---|---|---|---|
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Complete the following for each fountain solution used on this line, if applicable (properties must be on an "as applied to the roller" basis, e.g., if using a fountain concentrate, supply the properties after any dilution):

| Generic Name (e.g., glycol) | Density (lb/gal) | VOM Content (weight %) | Maximum Annual Usage (gal/yr) | Typical Annual Usage (gal/yr) |
|---|---|---|---|---|
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Complete the following for each VOM material used for cleanup on this line:

| Generic Name | Density (lb/gal) | VOM Content (weight %) | Maximum Annual Usage (gal/yr) | Typical Annual Usage (gal/yr) |
|---|---|---|---|---|
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Maximum Amount of VOM Material Reclaimed and/or Shipped Off Site (gal/yr): _____
Maximum Amount of VOM Material Reclaimed and/or Shipped Off Site (ton/yr): _____

Typical Amount of VOM Material Reclaimed and/or Shipped Off Site (gal/yr): _____
Typical Amount of VOM Material Reclaimed and/or Shipped Off Site (ton/yr): _____

Explain the means by which VOM containing materials are collected for reclamation and/or disposal (if applicable):

Explain the means by which the amount of VOM containing materials collected is measured or determined:

Using material balance and the annual usage, reclamation rates, and ink properties information provided, calculate the maximum and typical total annual uncontrolled VOM emissions from this printing line:
Maximum (tons/year): _____
Typical (tons/year): _____

Attach the calculations for the above values and label as Exhibit 302-2.
Note: specific usage rates of each ink/coating, dilution material, and fountain solution must be supplied separately on form 220-CAAPP.

## Ink Properties Addendum

For each ink/coating used, supply the following properties of the coating "as applied" to the substrate, except where otherwise noted. Copies of this page may be made by the applicant as needed. Attach all completed addendum.

Ink/Coating Identification: _____
Ink/Coating Supplier: _____
Designation of printing line(s) that this ink/coating is used upon:

Ink Density (lb/gal): _____
Ink Density (lb/gal "as supplied"): _____

Weighted Average Density of Dilution Solvent (lb/gal): _____
Dilution Solvent Ratio (gal diluent divided by gal coating "as supplied"): _____

Water and Exempt Compound Content (weight percent): _____
Water and Exempt Compound Content (volume percent): _____

VOM Content (weight percent): _____
VOM Content (volume percent): _____

lb VOM/gal of Ink/Coating (less water & exempt compounds): _____
lb VOM/gal of Ink/Coating "As Supplied" (less water & exempt compounds): _____
lb VOM/gal Solids: _____

Volatile System Composition:

| Material | Volume percent of volatile system (column total equals 100%) |
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Ink and coating properties must be determined using the proper test methods and procedures. Typically, Method 24 of 40 CFR 60, Appendix A should be used for all inks and coatings except those used on a rotogravure press. In that case, Method 24A of 40 CFR 60, Appendix A should be used. If Method 24 or 24A is not used, attach a detailed explanation and justification for using an alternative method. Label this attachment Exhibit 302-3.