

**GOVERNMENT OF THE DISTRICT OF COLUMBIA**

Department of Energy and Environment

**APPLICATION FOR PERMIT TO CONSTRUCT/OPERATE PRINTING PRESSES**

You must complete and submit this application if you intend to install and/or operate a printing press to obtain an air quality permit required pursuant to 20 DCMR § 200.

**I. Facility Information**

1. \_\_\_\_\_  
Full Legal Name of Applicant/Organization

2. \_\_\_\_\_  
Type of Organization

3. \_\_\_\_\_  
Name of Owner(s) or Principal Partner(s) of Above Organization

4. \_\_\_\_\_  
Mailing Address of Applicant (No., Street, City, State, Zip)

5. \_\_\_\_\_  
Street Address of Facility (if different from Mailing Address)

6. Owner/Responsible Official Name: \_\_\_\_\_

Owner/Responsible Official Title: \_\_\_\_\_

Phone No.: \_\_\_\_\_ E-mail: \_\_\_\_\_

7. Contact Person: \_\_\_\_\_

Contact Person Title: \_\_\_\_\_

Phone No.: \_\_\_\_\_ E-mail: \_\_\_\_\_

8. Type of Project:  New Construction     Renewal     Modification  
 Initial Permitting of Existing Source     Seeking Amendment to Permit Conditions

9. For renewal or modification, include existing permit number (and exp. date):  
\_\_\_\_\_

10. Start-up date of the facility as a printing operation: \_\_\_\_\_

11. Describe the facility at which this equipment will be located:  
\_\_\_\_\_

# Application for Permit to Construct/Operate Printing Presses

Page 2

## II. General Information

1. Equipment Name/Identification: \_\_\_\_\_

2. Type of feed to press:  Web or  Sheet-Fed

If sheet-fed, what is the maximum size of the sheet? \_\_\_\_\_

If web, what is the maximum web width? \_\_\_\_\_

3. Type of press:  Lithography  Letterpress  Intaglio  Flexographic  
 Rotogravure  Screen Printing  Other (describe) \_\_\_\_\_

4.  Heatset or  Non-Heatset/Coldset

5. If the press is heatset, what control and temperature monitoring devices are being used?

6. Equipment Description (brief description of unit, including any pollution control devices):

7. Manufacturer Information (Make, Model): \_\_\_\_\_

8. Serial Number (if known): \_\_\_\_\_

9. Date construction/installation of equipment began or is planned to begin: \_\_\_\_\_

10. Date construction/installation of equipment completed (if applicable): \_\_\_\_\_

11. Stack height above ground (ft): \_\_\_\_\_ Inner diameter at exit (ft): \_\_\_\_\_

Exit gas temperature (°F): \_\_\_\_\_ Exit gas velocity (ft/s): \_\_\_\_\_

Exit gas moisture content (%): \_\_\_\_\_ Exit gas volume through stack (acfm): \_\_\_\_\_

Please describe the location of the outlet and surroundings and any additional useful details of the stack configuration:

12. Please attach copies of product data sheets or other data sheets for all inks, solutions, and coatings currently in use by the equipment or currently planned for subsequent use at the with the equipment.

# Application for Permit to Construct/Operate Printing Presses

Page 3

## III. Emissions

Please complete the following “Potential to Emit” tables (except as noted in the box below). Include all emission sources, including any fuel burning from heatset dryers, thermal oxidizers, etc.:

*Note: It is acceptable to provide calculations in an alternate format as an attachment to this application. Please ensure that any submittal provides sufficient information to allow the application reviewer to reproduce the calculations from the source material. Please also ensure that any alternative submittal provides substantially the same information requested in the following table.*

*If potential emissions are provided in an attachment, please check the following box:*

Potential to Emit from Inks and Solvents <sup>1</sup>									
Pollutant	Source	Material Use per hour (specify units)	Concentration of Pollutant in Material (specify units)	Retention (%) (if applicable)	Emission Rate (lb/hr)	Maximum Hours Per Year of Operation <sup>2</sup>	Maximum Uncontrolled Emissions (tons/yr)	Control Efficiency (%)	Maximum Controlled Potential Emissions (tons/yr)
VOC	Inks								
	Cleaning Solvents								
	Other (specify) _____								
Total HAPs <sup>3</sup>	Inks								
	Cleaning Solvents								
	Other (specify) _____								

<sup>1</sup> “Potential to Emit” is the maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design only if the limitation or the effect it would have on emissions is enforceable as a practical matter. Secondary emissions do not count in determining the potential to emit of a stationary source. [20 DCMR § 199]

<sup>2</sup> The default value for this column should be 8,760 hours per year (i.e. 24 hours per day, 365 days per year). If a value less than this is used, it must be justified below as an “inherent constraint” on the operation of the source or an enforceable limitation on hours of operation must be requested below.

<sup>3</sup> “Total HAPs” references the total amount of hazardous air pollutants. A list of these HAPs can be found at <https://www.epa.gov/haps/initial-list-hazardous-air-pollutants-modifications>. Note that if HAP emissions are substantial, further information will likely be requested, unless further details, such as speciation of individual HAP emissions are attached.

**Application for Permit to Construct/Operate Printing Presses**

<b>Potential to Emit from Fuel and Organic Material Combustion<sup>4,5</sup></b>					
<b>Pollutant</b>	<b>Emission Factor<sup>6</sup></b>	<b>Units of Emission Factor<sup>7</sup></b>	<b>Emission Rate (lb/hr)</b>	<b>Maximum Hours Per Year of Operation<sup>8</sup></b>	<b>Maximum Potential Emissions (Tons/yr)</b>
<b>NO<sub>x</sub></b>					
<b>SO<sub>x</sub></b>					
<b>VOC</b>					
<b>CO</b>					
<b>PM<sub>(Total)</sub></b>					
<b>Total HAPs<sup>9</sup></b>					

<sup>4</sup> “Potential to Emit” is the maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design only if the limitation or the effect it would have on emissions is enforceable as a practical matter. Secondary emissions do not count in determining the potential to emit of a stationary source. [20 DCMR § 199]

<sup>5</sup> This table on fuel and organic material combustion is to reflect emissions from fuel burning in dryers, thermal oxidizers, etc. as well as to reflect emissions related to the combustion of organic materials in a control device. If there is no combustion process related to the printing unit, this section can be left blank.

<sup>6</sup> The emission factor should reflect the maximum emissions expected from the unit when operating properly.

<sup>7</sup> Examples of commonly used emission factor units are lb/thousand gal of oil, lb/million SCF of natural gas, and lb/million BTU of heat input.

<sup>8</sup> The default value for this column should be 8,760 hours per year (i.e. 24 hours per day, 365 days per year). If a value less than this is used, it must be justified below as an “inherent constraint” on the operation of the source or an enforceable limitation on hours of operation must be requested below.

<sup>9</sup> “Total HAPs” references the total amount of hazardous air pollutants. A list of these HAPs can be found at <https://www.epa.gov/haps/initial-list-hazardous-air-pollutants-modifications>. Note that if HAP emissions are substantial, further information will likely be requested, unless further details, such as speciation of individual HAP emissions are attached.

Cite the source(s) of the emission factors:

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Please describe any limitations on the potential to emit of the source. If such limits are “inherent constraints” on the physical ability of the equipment to operate, please explain these limitations. If you are requesting that a limit be established to reduce the potential to emit of the equipment, such as a limit on operating hours or a material usage limit, please explain.

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**Application for Permit to Construct/Operate Printing Presses**

Page 5

**IV. Applicant Certification:**

I hereby certify, under penalty of D.C. Official Code § 8-101.05e, that I am authorized to submit this application on behalf of the applicant and that the statements contained herein are true and correct to best of my knowledge. I further certify that all attached information and previously submitted information referenced in this application remains true, correct, and current, to the best of my knowledge.

Authorized Signature:

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Owner/Responsible Official Signature	Print Name and Title	Date
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Mailing Address of Owner/Responsible Official if Different From Question I.4 above

**Return completed application and attachments to:**

Branch Chief, Air Quality Permitting Branch  
Department of Energy and Environment  
1200 First Street NE, 5<sup>th</sup> Floor  
Washington DC 20002

Report Fraud, Waste, Abuse, and Mismanagement to the District of Columbia Office of the Inspector General.  
Confidential Toll Free Hotline: 1-800-521-1639 or 202-724-TIPS (8477). Email: [hotline.oig@dc.gov](mailto:hotline.oig@dc.gov)