

# Pollution Prevention (P2) Plan

This Pollution Prevention (P2) Plan form is designated by the City of Toronto for use primarily by lithographic printers, pursuant to Municipal Code Chapter 681. Facilities using other printing technologies should provide appropriate information under the heading "Other" in Section 3 to reflect their specific technology. A completed P2 Plan form must be submitted to Toronto Water every three years and a copy kept at the facility for inspection by the City. If you would like a copy of this form in an alternate accessible format, please contact 311 ([www.toronto.ca/311](http://www.toronto.ca/311)).

## 1. Facility Information

Facility Name	Contact Name (First, Last)
Facility Address (Street Number, Name, Suite/Unit Number, City, Province, Postal Code)	Business Telephone Number
	Business Fax Number
	Business Email

NAICS Code (Check all that are applicable)

<input type="checkbox"/> 323110 Commercial Lithographic Printing	<input type="checkbox"/> 323114 Quick Printing
<input type="checkbox"/> 323111 Commercial Gravure Printing	<input type="checkbox"/> 323116 Manifold Business Forms Printing
<input type="checkbox"/> 323112 Commercial Flexographic Printing	<input type="checkbox"/> 323117 Books Printing
<input type="checkbox"/> 323113 Commercial Screen Printing	<input type="checkbox"/> 323119 Other Commercial Printing

Number of Employees

Days of Operation	( i.e. Mon-Fri )					
Hours of Operation	( i.e. 9am-7pm )					

## 2. Management Policy Statement

\_\_\_\_\_ is committed to the concepts and practices of pollution prevention planning. Information provided by our suppliers/manufacturers, and/or analysis of the effluent indicates that our effluent may contain subject pollutant(s) listed in Municipal Code Chapter 681.

(Facility Name)

Our printing facility uses current printing technology. The components used to produce the final printed product are purchased as finished products. In some instances we may use ancillary products such as hydraulic oils, and solvents. We make every effort to reduce the quantity of these products used, where practical. These products are also purchased as finished products and where they may end up in our wastewater effluent, we have included them in our pollution prevention planning. We have supported, and will continue to support pollution prevention principles through the practice of source replacement, reduction and solid waste recycling.

Where current technology does not allow product substitution, we will support the pollution prevention process by requesting the manufacturer to investigate reduction, elimination or possible replacement of any subject pollutant that may be present in their product formulation.

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<b>3. Processes that Use or Produce Subject Pollutant(s)</b>					
The principal activity of our facility is (select one):					
<input type="checkbox"/> A commercial printing facility		<input type="checkbox"/> An in-house printing facility			
<input type="checkbox"/> A commercial quick print facility		<input type="checkbox"/> Other printing facility, specify			
Our facility has (only indicate equipment that may contribute to the wastewater, either directly or indirectly):					
Web press	<input type="checkbox"/> Yes <input type="checkbox"/> No	How Many?	Pre-press film Processor	<input type="checkbox"/> Yes <input type="checkbox"/> No	How Many?
Plate processor	<input type="checkbox"/> Yes <input type="checkbox"/> No	How Many?	Sheetfed Press	<input type="checkbox"/> Yes <input type="checkbox"/> No	How Many?
Others, specify (e.g. screen printing)					How Many?
					How Many?
<b>4. Processes that are Subject to Pollution Prevention</b>					
Process	Subject Pollutants (List all that apply to the process)			Is the process targeted for P2 planning?	
				<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
				<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
				<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
				<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
				<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<b>5. List of Subject Pollutant(s) Present During Operation</b>					
A. Our supplies manufacturer(s) has (have) advised us that their product may contain subject pollutant(s) as listed in the following table. The wastewater from our facility may contain these subject pollutants.					
Manufacturer	Product			Subject Pollutant(s)	

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B. A description of types, quantities and concentrations of all subject pollutants discharged to a sanitary sewer.

Subject Pollutant	Amount Used (kg)	Concentration in Sanitary Sewer (mg/L)	Volume of Wastewater Discharged to Sanitary Sewer (Litres)	Subject Pollutant Discharged to Sanitary Sewer (kg)	Subject Pollutant Discharged to Other Media (kg)

### 6. Description of Current Waste Reduction, Recycling, Treatment and P2 Activities

Subject Pollutant	Current Waste Treatment Methods	Current Recycling Methods	Current P2 Activity

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<b>7. Pollution Prevention (P2) Options</b>	
<b>P2 Option 1</b> - Based on the source of the subject pollutant(s), we are able to eliminate the source through product selection.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>P2 Option 2</b> - Based on the source of the subject pollutant(s), we are able to reduce the subject pollutant(s) through process/operational modifications.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>P2 Option 3</b> - A source of the subject pollutant(s) has been identified as one of the finished products that are used in our facility. We do not have access to the technology that allows us to use another product. As the products are formulated, compounded and supplied by the manufacturer, only they can modify the process or substitute the components. Therefore, we cannot alter the presence of the subject pollutant(s) in our wastewater effluent. Instead, we will commit to the below pollution prevention activities.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>Employee Awareness and Involvement</b>	
We recognize that an on-going Pollution Prevention (P2) Program requires the support and commitment of management and staff. Management will communicate the requirements of this P2 Plan to all employees. Management will solicit employees for new ideas regarding pollution prevention as well as preparation of future P2 Plans.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>Process Control</b>	
We will continue to monitor the process variables that produce a consistent, high-quality product e.g. pre-press replenisher rates, fountain solution usage, ink coverage.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>Chemical Inventory</b>	
We will track chemical usage and maintain stock levels that minimize the risk of chemicals becoming dated.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>Storage and Containment</b>	
We will provide for safe and neat storage of chemicals that minimizes the risk of chemical leaks. Where required, containment will be provided to ensure that leaks do not enter the drain.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>Good Housekeeping</b>	
We will maintain good housekeeping practices for minimizing the risk of spillage and dumping of dirty solutions.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>Spill Containment and Response</b>	
We will maintain a program that ensures discharges do not enter the drain. Furthermore, we will post procedures that identify spill response activities.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>Request to the supplier</b>	
We will request our suppliers/manufacturers to take steps necessary to investigate the opportunity for reduction, replacement or possible elimination of any subject pollutant(s) that may be present in our supplies.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

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<p><b>P2 Option 4 - Using the Checksheet/Guidebook for Printers</b>                  As part of our P2 activities we have completed the appropriate portions of the Checksheet for Printers. A copy of this document is appended to this P2 Plan. We will review the Checksheet for Printers on a regular basis as part of our commitment to pollution prevention.</p>	<p><input type="checkbox"/> Yes    <input type="checkbox"/> No    <input type="checkbox"/> N/A</p>
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**8. List of Possible Three-Year & Six-Year Targets to Reduce or Eliminate Subject Pollutant Discharge**

As indicated in the below table, we have provided three-year and six-year reduction targets for the subject pollutants contained in products where P2 options 1 and 2 can be used. As we are not able to modify the formulations of products where alternate technology is not available, we are unable to set a reduction timetable for P2 option 3. Also, a reduction timetable does not apply to P2 option 4.

Subject Pollutant	Previous P2 Plan Achievements		P2 Option Selected (Refer to Section 7)	New P2 Targets	
	6-yr Target	6-yr Reduction		3-yr Target %	6-yr Target %

**9. Declaration**

I, \_\_\_\_\_ represent and declare that this Pollution Prevention (P2) Plan and all information and supporting documentation contained in or with this Plan comply with Chapter 681 and are accurate and complete to the best of my knowledge. I undertake to comply with this Plan and make it readily available for inspection at the subject premises by the representatives of the City of Toronto.

<b>Signature</b>	<b>Position</b>	<b>Date (yyyy-mm-dd)</b>
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# Pollution Prevention (P2) Plan

## Supporting Documentation

Please provide supporting information such as:

- Subject pollutant information from suppliers (not MSDS) declaring that subject pollutants are absent in their product; or
- Sample results of the effluent used in the calculation in the submission of this P2 Plan.

## Submit the Completed Pollution Prevention Plan

By Mail	By Fax	By Email
Environmental Monitoring & Protection Toronto Water 2126 Kipling Avenue, Toronto, Ontario M9W 4K5	416-392-9338	<a href="mailto:P3Help@toronto.ca">P3Help@toronto.ca</a>