



**Part 1 - Contact information for Authorized Representative**

Business name	ABC Company
Facility address	2230 Main Street
Mailing address	<input checked="" type="checkbox"/> Same as facility address
Postal code	R2V 4T8
NAICS code	332810 (Coating, Engraving, Heat Treating and Allied Activi
(as reported by the City)	

**Part 2 - Contact Information for Authorized Representative**

Name	Ken Jones
Position/title	Plant Manager
Phone number	204-986-8407
Email address	kjones@abccompany.com

## Part 3 - List of Pollutants in Contravention to Sewer By-law

Complete this section using:

- The analytical data provided by the City of Winnipeg
- Any self monitoring results you may have

Pollutant	Exceeds by-law limit
Aldrin / dieldrin	<input type="checkbox"/>
Aluminum (total)	<input type="checkbox"/>
Ammonia (un-ionized)	<input type="checkbox"/>
Antimony (total)	<input type="checkbox"/>
Arsenic (total)	<input type="checkbox"/>
Benzene	<input type="checkbox"/>
Di-n-butyl phthalate	<input type="checkbox"/>
Biochemical oxygen demand	<input type="checkbox"/>
Cadmium (total)	<input type="checkbox"/>
Chlordane (cis plus trans isomers)	<input type="checkbox"/>
Chromium (hexavalent)	<input type="checkbox"/>
Chromium (total)	<input type="checkbox"/>
Cobalt (total)	<input type="checkbox"/>
Chlorine (total residual)	<input type="checkbox"/>
Copper (total)	<input type="checkbox"/>
Cyanide (weak acid dissociable)	<input type="checkbox"/>
Cyanide (total)	<input type="checkbox"/>
1,1,2,2 tetrachloroethane	<input type="checkbox"/>
1,2 - dichlorobenzene	<input type="checkbox"/>
1,4 - dichlorobenzene	<input type="checkbox"/>
3,3 dichlorobenzene	<input type="checkbox"/>
Dichlorophenyltrichloroethane (DDT)	<input type="checkbox"/>
Cis - 1,2 - dichloroethylene	<input type="checkbox"/>

Pollutant	Exceeds by-law limit
Trans -1,3 - dichloropropylene	<input type="checkbox"/>
Ethyl benzene	<input type="checkbox"/>
Bis (2-ethylhexyl) phthalate	<input type="checkbox"/>
Fluoride	<input type="checkbox"/>
Hexachlorobenzene	<input type="checkbox"/>
Hexachlorocyclohexane (Lindane)	<input type="checkbox"/>
Lead (total)	<input type="checkbox"/>
Manganese	<input type="checkbox"/>
Mercury (total)	<input type="checkbox"/>
Methylene chloride	<input type="checkbox"/>
Mirex	<input type="checkbox"/>
Molybdenum (total)	<input type="checkbox"/>
Nickel (total)	<input type="checkbox"/>
Nitrogen (total)	<input type="checkbox"/>
Nonylphenols	<input type="checkbox"/>
Nonylphenol ethoxylates	<input type="checkbox"/>
Oil and grease - animal or vegetable	<input type="checkbox"/>
Oil and grease - mineral or synthetic	<input checked="" type="checkbox"/>
Pentachlorophenol (PCP)	<input type="checkbox"/>
Phenolics (total by 4AAP method)	<input type="checkbox"/>
pH	<input type="checkbox"/>
Phosphorus (total)	<input checked="" type="checkbox"/>
Polychlorinated biphenyls (PCBs) - total	<input type="checkbox"/>
Polycyclic aromatic hydrocarbons (PAHs) - total	<input type="checkbox"/>
Purgeable hydrocarbons (total)	<input type="checkbox"/>
Selenium (total)	<input type="checkbox"/>
Semivolatile hydrocarbons (total)	<input type="checkbox"/>

<b>Pollutant</b>	<b>Exceeds by-law limit</b>
Silver (total)	<input type="checkbox"/>
Sulphate (total)	<input type="checkbox"/>
Sulphide	<input type="checkbox"/>
Suspended solids (total)	<input checked="" type="checkbox"/>
Temperature	<input type="checkbox"/>
Tetrachloroethylene	<input type="checkbox"/>
Tin (total)	<input type="checkbox"/>
Titanium (total)	<input type="checkbox"/>
Toluene	<input type="checkbox"/>
Trichloroethylene	<input type="checkbox"/>
Zinc (total)	<input type="checkbox"/>
Xylenes (total)	<input type="checkbox"/>

## Part 4 - Pollutant Evaluation

Complete the following sections for each pollutant that exceeds the by-law limits, as identified in the analytical data provided by the City of Winnipeg.

### Pollutant Description & Options

**Pollutant # 1**

Mineral & synthetic oil

Concentration (mg/L)

(see sampling results as reported by the City of Winnipeg) 56.0 mg/L

Where is the pollutant discharged?

- sewer  
 land drainage  
 other \_\_\_\_\_

Identify the source of the pollutant (How and where the pollutant is generated).

Mineral & synthetic oil is present in small amounts on the steel we bring in. The manufactured parts from the steel are washed prior to painting . As parts are washed the oil is transferred from the parts into the wash water and discharged to sewer.

Estimate the volume of wastewater containing the pollutant discharged on an annual basis:

10,000 litres

**Option # 1**

Check box if you are selecting this option

Describe a pollution prevention option for this pollutant in detail.

An oil water separator will be installed prior to drain in the wash area to control this parameter

Add another option for this pollutant

Outline the specific steps required to implement the chosen option and estimated completion date for each step.

Step	Completion date	Provide details of significant tasks that will be completed.
1	May 31, 2019	Select oil water separator for purchase
2	Dec 2, 2019	Complete installation of oil water separator and collect wastewater samples to confirm its effectiveness
3	Dec 31, 2019	Complete sample testing of oil water separator
4		

Add row

Expected start date for the chosen option: May 1, 2019

Expected completion date for the chosen option: Dec 31, 2019

Explain the reasoning behind the implementation timeframe.

The installation of the oil water separator will need to be done during a scheduled plant shutdown to minimize impact on production.

**Pollutant # 2**

Total Suspended Solids

Concentration (mg/L)

(see sampling results as reported by the City of Winnipeg) 600 mg/L

Where is the pollutant discharged?

- sewer
- land drainage
- other \_\_\_\_\_

Identify the source of the pollutant (How and where the pollutant is generated).

Finished parts may contain debris and sediment and are washed prior to painting. All wash water drains to a sediment interceptor. The sediment interceptor is not being cleaned often enough.

Estimate the volume of wastewater containing the pollutant discharged on an annual basis: 10,000 litres

**Option # 1**

Check box if you are selecting this option

Describe a pollution prevention option for this pollutant in detail.

Wipe down parts that are heavily soiled prior to washing and dispose of wipes in garbage. Change semi-annual cleaning of the sediment interceptor to quarterly.

Add another option for this pollutant

Outline the specific steps required to implement the chosen option and estimated completion date for each step.

Step	Completion date	Provide details of significant tasks that will be completed.
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Step	Completion date	Provide details of significant tasks that will be completed.
1	May 30, 2019	Implement training procedure for wiping down parts. Contact hauled waste company to schedule quarterly interceptor pump outs.
2		
3		
4		

Add row

Expected start date for the chosen option: May 1, 2019

Expected completion date for the chosen option: May 15, 2019

Explain the reasoning behind the implementation timeframe.

We will need 2 weeks to train all employees on the part wipe down procedure.

**Pollutant # 3**

Phosphorus

Concentration (mg/L)

(see sampling results as reported by the City of Winnipeg) 85.1

Where is the pollutant discharged?

- sewer
- land drainage
- other \_\_\_\_\_

Identify the source of the pollutant (How and where the pollutant is generated).

The soap used in part washing is phosphate based. All wash water drains to sewer.

Estimate the volume of wastewater containing the pollutant discharged on an annual basis:

10,000 litres

**Option # 1**

Check box if you are selecting this option

Describe a pollution prevention option for this pollutant in detail.

Switch to a phosphate free soap.

Add another option for this pollutant

Outline the specific steps required to implement the chosen option and estimated completion date for each step.

Step	Completion date	Provide details of significant tasks that will be completed.
1	May 31, 2019	Select a phosphate free soap
2	Aug 1, 2019	Implement phosphate free soap into part washing
3		
4		

Add row

Expected start date for the chosen option: May 1, 2019

Expected completion date for the chosen option: Aug 1, 2019

Explain the reasoning behind the implementation timeframe.

Changing a cleaning chemical will require test trials to determine effectiveness and a change to our procedure as well as training staff.

Add another pollutant

### Part 5 - Current Treatment System

Is any of your wastewater treated prior to discharge to the sewer?

- yes
- no

Describe the current devices or processes used in your treatment system. Explain how and why it works to reduce each pollutant.

There is a sediment interceptor in the wash bay to capture sediment and debris in the wastewater prior to sewer discharge.

### Part 6 - Process Overview



Insert or attach process flow diagram of all processes at this facility. Uniquely label each step and include wastewater discharge points for future reference in the plan.

**A flow diagram must be attached after you click submit at the end of this document.**

### Part 7 - Pollutant Plan Summary & Authorized Representative Statement

Identify which pollution prevention options from Part 4 you are going to implement for each pollutant.

Pollutant	Option chosen	Expected start date	Expected completion date
Mineral/Sythetic Oil	Oil/water separator	May 1, 2019	Dec 31, 2019
Total Suspended Solids	Wipe down parts, increase sediment interceptor cleaning frequency	May 1, 2019	May 30, 2019
Phosphorus	Switch to phosphate free soap	May 1, 2019	Aug 1, 2019

Add row

- I declare that I am an authorized representative of the business.
- I declare that the information given in this Pollution Prevention Plan is accurate, including the summary above.
- I have attached the process overview flow diagram requested in Part 6 of this Plan.
- I will notify the City of Winnipeg of any change in any information contained in my Plan within 30 days following the effective date of the change.
- I understand that the City of Winnipeg can apply the penalties outlined in the Sewer By-law if I provide false or misleading information.

Name

Title

Date/time

Submit

You will receive an email notification upon receipt of your submission from [pollutionprevention@winnipeg.ca](mailto:pollutionprevention@winnipeg.ca)

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## **Privacy Statement**

Any personal information collected is done so pursuant to S.36(1)(b) of The Freedom of Information and Protection of Privacy Act (FIPPA). This information will be used for the administration and management of wastewater disposal within the City of Winnipeg and will not be used or disclosed for any other purposes, except as authorized by law. If you have any questions about the collection of this information, contact the Corporate Access and Privacy Officer by mail to City Clerk's Department, Susan A. Thompson Building, 510 Main Street, Winnipeg MB, R3B 1B9, or by telephone at 311.

## Part 6 – Process Overview

