



Ontario Toxics Reduction Act Public Report

Canadian Bank Note Company, Limited

December 31, 2012

1. BASIC FACILITY INFORMATION

Name and CAS# of Substance(s) for this Report	Sulphuric Acid	7664-93-9
	Hexavalent Chromium Compounds	**
Report Date	June 1, 2012	
Plan Date	December 31, 2012	
Plan Objectives and Targets	Sulphuric Acid:	Objective: To reduce the use of Sulfuric Acid Target : To reduce 5% by the end of the 2013 fiscal year.
	Hexavalent Chromium Compounds:	Objective: to reduce the creation of Hexavalent Chromium and also comply with the <i>Chromium Electroplating, Chromium Anodizing and Reverse Etching Federal Regulations</i> Target: to reduce the creation of Hexavalent Chromium by 1.7% maintaining the surface tension of the chromic acid tank ≤ 40 dynes/cm by the end of the 2013 fiscal year.

Facility Identification and Site Address		
Company Name	Canadian Bank Note Company, Limited	
Facility Name	Canadian Bank Note Company, Limited – Richmond Division	
Facility Address	Physical Address:	Mailing Address:
	145 Richmond Road, Ottawa, ON, K1Z 1A1	<i>same as physical address</i>
Spatial Coordinates of Facility (UTM within NAD83)	Easting: 441587, Northing: 5027269, Zone: 18	
No. of Employees (full-time)	563	
NPRI ID	0000010631	
Ontario MOE ID Number	00045200	
Ontario Business Number	119404036	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	32	
4 Digit NAICS Code	3231	
6 Digit NAICS Code	323119	
Company Contact Information		
Facility Public Contact	Gordon McKechnie	Address:
	gmckechn@cbnco.com	<i>same as facility address</i>
	Phone: (613) 722 3421, x1128	
	Fax: (613) 722 3334	
Facility Technical Contact, Plan Coordinator	Rosana Bianchini, Research Scientist	Address:
	rbianchi@cbnco.com	<i>same as facility address</i>
	Phone: (613) 722 3421, x1122	

	Fax: (613) 722 3334	
Highest Ranking Employee	Ronald Arends President	Address: <i>same as facility address</i>
	rarends@cbnco.com	
	Phone: (613) 722 3421, x1285	
	Fax: (613) 722 6807	
Planner Who Made Recommendations	Lianne Sinclair P. Eng. EP(CEA) WESA Inc.	Planner License #TSRP0042
Planner Who Certified the Plan	Rosana Bianchini Canadian Bank Note Company Ltd.	Planner License # TSRP0043

2. SUMMARY OF SUBSTANCE USE AT THE FACILITY

a) Sulphuric Acid

Sulphuric Acid at Canadian Bank Note Company, limited is used in a process that deals solely with the cleaning of inks from printing plates. The printing plates are cleaned using a highly alkaline solution, which needs to be neutralized before being expelled from the facility as sewage to the Sanitary Sewer. This neutralization is achieved through the addition of Sulphuric Acid to the alkaline solution (in approximately a 1:2 ratio).

In 2011, company-wide data on the usage, creation, destruction, disposal, and release of Sulphuric Acid was gathered, and is shown in the following table:

TABLE 1: Company-wide data on Sulphuric Acid

Use	>10-100 tonnes
Creation	0
Contained in product	0
Onsite release to air	0
Onsite release to water	0
Onsite release to land	0
Transformation	0
Offsite transfer for treatment/recycling	0
Onsite/offsite disposal	0

b) Hexavalent Chromium

Hexavalent chromium is used at Canadian Bank Note Company, limited in the Chromium plating process. In this process, a chrome treatment is applied to nickel plates.

In 2011, company-wide data on the usage, creation, destruction, disposal, and release of Hexavalent Chromium was gathered, and is shown in the following table:

TABLE 2: Company-wide data on Hexavalent Chromium

Use	>100-1000 kg
Creation	>10-100 kg
Contained in product	0
Onsite release to air	>1-10 kg
Onsite release to water	0
Onsite release to land	0
Transformation	0
Offsite transfer for treatment/recycling	>10-100 kg
Destruction	0
Onsite/offsite disposal	0

3.1 CERTIFICATION

As of December 20th, 2012, I, Rosana Bianchini certify that I am familiar with the processes at *Canadian Bank Note Company Limited* that use and create the toxic substances referred to below, and that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4(1) of the *Toxics Reduction Act, 2009* that are set out in the toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance (s): Sulphuric Acid and Hexavalent Chromium

Rosana Bianchini (Planner License # TSRP0043)

Environmental Compliance Manager

Date: July 12, 2016

3.2 CERTIFICATION

As of December 20th, 2012, I, Ron Arends, certify that I have read the report on the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents and, to my knowledge, the information in this report is factually accurate and complies with the Ontario Toxics Reduction Act (2009) and Ontario Regulation 455/09 (General) made under the act.

Sulphuric Acid and Hexavalent Chromium

Ron Arends

Date: December 20th, 2012

Signed copy available for viewing at the corporation's head office located at 145 Richmond Road, Ottawa, ON