

Toxic Substance Reduction
Summary Plans

Bombardier Inc.
Bombardier Aerospace Toronto Site

BASIC FACILITY INFORMATION		
Substances Included in the Plans		
<ul style="list-style-type: none"> ▪ Hexavalent Chromium (CAS 7440-47-3) ▪ Methyl Ethyl Ketone (CAS 78-93-3) ▪ Trichloroethylene (CAS 79-01-6) ▪ Acetone (CAS 67-64-1) 		
Facility Identification and Site Address		
Company Name	Bombardier Inc.	
Facility Name	Toronto Site	
Facility Address	Physical Address:	Mailing Address:
	123 Garratt Boulevard Toronto, Ontario M3K 1Y5	123 Garratt Boulevard Toronto, Ontario M3K 1Y5
Spatial Coordinates of Facility	UTM Zone 17 UTM Easting: 622175 UTM Northing: 4841522	
Number of Employees	3880	
NPRI ID	001189	
Parent Company (PC) Information		
PC Name & Address	Bombardier Inc.	800 Rene Levesque Blvd. West, Montreal, Quebec H3B 1Y8
Percent Ownership for each PC	100%	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 (Manufacturing)	
4 Digit NAICS Code	3364 (Aerospace products and parts manufacturing)	
6 Digit NAICS Code	336411 (Aerospace products and parts manufacturing)	
Facility and Planner Contact Information		
Facility Public Contact	Michael Anger	Bombardier Inc.
	Email: Michael.anger@aero.bombardier.com	Same as facility address
	Phone: 416-373-7540	
Planner Responsible for Making Recommendations and Certification	Michael Anger	Bombardier Inc.
	Planner Licence No.: TSRP0015	Same as facility address
	Email: Michael.anger@aero.bombardier.com	
	Phone: 416-373-7540	

HEXAVALENT CHROMIUM (CAS 7440-47-3)
Statement of Intent
In accordance with s. 4(1)1 of the Toxics Reduction Act and Bombardier Inc. Toronto Site's commitment to pollution prevention in its ISO 14001 certified Environmental Management Plan and Corporate Policies, Bombardier Inc. Toronto Site intends to reduce the total amount of hexavalent chromium used in the manufacturing process.
Objectives
Bombardier Inc. Toronto Site intends to reduce the use of hexavalent chromium by 50% by 2020 compared to 2012 levels.
Description of Use of Substance
Hexavalent chromium is used in an anodize process to increase corrosion resistance in aircraft parts. It is also a component of some sealants used in the aircraft assembly process.
Description Option(s) to be Implemented
The Bombardier Toronto Site will be implementing reduction options through the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) that consider material or feedstock substitutions.

METHYL ETHYL KETONE (CAS 78-98-3)
Statement of Intent
In accordance with s. 4(1)1 of the Toxics Reduction Act and Bombardier Inc. Toronto Site's commitment to pollution prevention in its ISO 14001 certified Environmental Management Plan and Corporate Policies, Bombardier Inc. Toronto Site intends to reduce the total amount of methyl ethyl ketone used to below the NPRI reporting threshold.
Objectives
Bombardier Inc. Toronto Site intends to reduce the use of methyl ethyl ketone by 80% by December 31, 2012 compared to 2010 levels.
Description of Use of Substance
Methyl ethyl ketone is used as a solvent and a component in solvents for cleaning aircraft and aircraft parts prior to priming and painting and cleaning painting equipment. Methyl ethyl ketone is also a component in some paints and primers. The aircraft cleaning and painting process must meet strict quality and customer requirements.
Description Option(s) to be Implemented
The Bombardier Toronto Site will be implementing reduction options through the Toxics Reduction Act, 2009 through the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) that consider material or feedstock substitutions.

TRICHLOROETHYLENE (CAS 79-06-1)

Statement of Intent

In accordance with s. 4(1)1 of the Toxics Reduction Act and Bombardier Inc. Toronto Site's commitment to pollution prevention in its ISO 14001 certified Environmental Management Plan and Corporate Policies, Bombardier Inc. Toronto Site intends to eliminate the use of trichloroethylene

Objectives

Bombardier Inc. Toronto Site intends to eliminate the use of trichloroethylene by January 31, 2012.

Description of Use of Substance

Trichloroethylene is used as a vapour degreaser to clean aircraft parts prior to chemical treatment.

Description Option(s) to be Implemented

The Bombardier Toronto Site will be implementing reduction options through the Toxics Reduction Act, 2009 through the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) that consider material or feedstock substitutions.

Certification by Highest Ranking Employee

As of December 21, 2012, I, Simon Roberts, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

<u>Substance</u>	<u>Date of Certified Plan</u>
Hexavalent Chromium (CAS 7440-47-3)	December 2012
Trichloroethylene (CAS 79-01-6)	October 2012
Methyl Ethyl Ketone (CAS 78-93-3)	November 2012

Original signed copies are retained on-site.

Simon Roberts
Vice President and General Manager,
Bombardier Toronto Site and Turboprop Programs

Certification by Licenced Planner

As of December 21, 2012, I, Michael Anger, certify that I am familiar with the processes at Bombardier Aerospace Toronto Site that use or create the toxic substances referred to below, 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 the Act and Ontario Regulation 455/09 (General) made under that Act.

<u>Substance</u>	<u>Date of Certified Plan</u>
Hexavalent Chromium (CAS 7440-47-3)	December 2012
Trichloroethylene (CAS 79-01-6)	October 2012
Methyl Ethyl Ketone (CAS 78-93-3)	November 2012

Original signed copies are retained on-site.

Michael Anger, Planner Licence TSRP0015
Sr. HSE Advisor, Bombardier Aerospace Toronto Site

ACETONE (CAS 67-64-1)

Statement of Intent

In accordance with s. 4(1)1 of the Toxics Reduction Act and Bombardier Inc. Toronto Site's commitment to pollution prevention in its ISO 14001 certified Environmental Management Plan and Corporate Policies, Bombardier Inc. Toronto Site intends to reduce the use of acetone to below the NPRI reporting threshold.

Objectives

Bombardier Inc. Toronto Site intends to reduce the use of acetone by 50% by December 31, 2016 compared to 2013 levels.

Description of Use of Substance

Acetone is a component in solvents used for cleaning aircraft and aircraft parts prior to priming and painting and cleaning painting equipment. The aircraft cleaning and painting process must meet strict quality and customer requirements.

Description Option(s) to be Implemented

The Bombardier Toronto Site is investigating options through the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) to replace solvents containing acetone.

Certification by Highest Ranking Employee

As of December 20, 2013, I, Paul Sislian, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Substance

Acetone (CAS 67-64-1)

Date of Certified Plan

December 2013

Original signed copies are retained on-site.

Paul Sislian
Vice President Operations Global and Toronto Site

Certification by Licenced Planner

As of December 20, 2013, I, Viorica Zugravu, certify that I am familiar with the processes at Bombardier Aerospace Toronto Site that use or create the toxic substances referred to below, 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 the Act and Ontario Regulation 455/09 (General) made under that Act.

Substance

Acetone (CAS 67-64-1)

Date of Certified Plan

December 2013

Original signed copies are retained on-site.

Viorica Zugravu, Planner Licence TSRP0178
HSE Advisor, Bombardier Aerospace Toronto Site