

## Atotech Canada Inc. - Burlington Facility

### Toxics Reduction Public Summary Report

#### Facility Information

Company Name	Atotech Canada Inc
Facility Name	Burlington Facility
Facility Physical Address	1180 Corporate Drive, Burlington, ON L7L 5R6
Facility Mailing Address	1180 Corporate Drive, Burlington, ON L7L 5R6
Spatial Coordinates of Facility	Latitude: 43.3793 Longitude: -79.7815
Number of Employees	47
NPRI ID	1109
2 Digit NAICS Code	32
4 Digit NAICS Code	3259
6 Digit NAICS Code	325999

#### Parent Company Information

Parent Company Name	Atotech BV
Address	Strijkviertel 35-2 De Meern, 3454 PJ Netherland
Percent Ownership (if available)	100%

#### Facility Contact

Public Contact	Sonya Sommer
Position	HR Manager
Address	1180 Corporate Drive, Burlington, ON L7L 5R6
email	<a href="mailto:sonya.sommer@atotech.com">sonya.sommer@atotech.com</a>
Phone	289-288-4417
Fax	905-332-0841

#### Date of Summary

Reporting Year	2013
Summary Date	June 1, 2014

#### Phase 1 Toxics Substances Reported

Nickel, Hexavalent Chromium, Formic Acid, Total Phosphorous.

#### Phase 2 Toxics Substances Reported

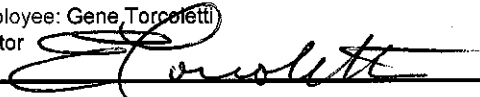
PM10, PM2.5, Ammonia

#### Copy of Certification:

As of June 1, 2014, I certify that I have read the report on the toxic substance reduction plan(s) for the toxics listed above and am familiar with their contents and to my knowledge the information contained in the report(s) is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

The original version of this report is signed off by:

Highest Ranking Employee: Gene Torcoletti  
Title: Managing Director



## Atotech Canada Inc. - Burlington Facility

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	NICKEL (AND ITS COMPOUNDS EXCEPT NICKEL CARBONYL)
CAS #	7440-02-0
Report Date:	30-May-14
Plan Date:	31-Dec-12
Plan Objectives and Targets	We continue to strive to eliminate or reduce the use of toxic substances at the facility where possible. This plan was used to determine the technical and economic feasibility of each reduction option to determine which, if any, are viable for implementation at this time. Preparation of this plan and efforts to implement will contribute to the prevention of pollution and specifically to protection of the health of Ontarians and the local environment.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>10 to 100	>10 to 100	> -1 to -10	-10%
C - Created	0	0	0	NA
P - In a product that leaves the process	>10 to 100	>10 to 100	> -1 to -10	-11%
Summary of reasons for changes between current year and previous year.	Decrease in production levels			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	<p>Changing or Modification of formulations is not an option at this time.</p> <p>Materials such as nickel are chosen specifically for the application and there are no current substitutions available. Inventory is tracked and cycled through to reduce expired material. Where possible containers are rinsed into the product so there is little or no residual material in the container.</p> <p>In addition, where possible batches are scheduled in a manner that reduces the need to clean out tanks before the next batch is loaded reducing wastewater generated. All wastewater is collected and shipped off-site for treatment and disposal.</p>																														
Summary of the toxics reductions achieved as a result of the steps taken	<table border="1"> <thead> <tr> <th>Pathways</th> <th>tonnes</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Used</td> <td>2.7950</td> <td>1.47%</td> </tr> <tr> <td>Created</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Contained in Product</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>On-Site Releases to Air</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>On-Site Releases to Water</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>On-Site Releases to Land</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Disposal On-Site</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Disposal Off-Site</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Transfer Off-Site for Recycling</td> <td>0.7870</td> <td>54.2%</td> </tr> </tbody> </table>	Pathways	tonnes	%	Used	2.7950	1.47%	Created	N/A	N/A	Contained in Product	N/A	N/A	On-Site Releases to Air	N/A	N/A	On-Site Releases to Water	N/A	N/A	On-Site Releases to Land	N/A	N/A	Disposal On-Site	N/A	N/A	Disposal Off-Site	N/A	N/A	Transfer Off-Site for Recycling	0.7870	54.2%
Pathways	tonnes	%																													
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On-Site Releases to Land	N/A	N/A																													
Disposal On-Site	N/A	N/A																													
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Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	none																														
Summary of differences between steps taken and those set out in the plan.	none																														
Description of amendments to the plan.	none																														

**Atotech Canada Inc. - Burlington Facility**

**Toxics Reduction Public Summary Report**

**Substance Information and Plan Objective**

Substance Name	CHROMIUM (VI) COMPOUNDS
CAS #	18540-29-9
Report Date:	30-May-14
Plan Date:	31-Dec-12
Plan Objectives and Targets	We continue to strive to eliminate or reduce the use of toxic substances at the facility where possible. This plan was used to determine the technical and economic feasibility of each reduction option to determine which, if any, are viable for implementation at this time. Preparation of this plan and efforts to implement will contribute to the prevention of pollution and specifically to protection of the health of Ontarians and the local environment.

**Toxics Substance Accounting and Comparison**

Pathways	2012 tonnes	2013 tonnes	Delta	Delta %
Units reported				
U - Enters the Process (Raw Materials)	>100 to 1000	>100 to 1000	> -10 to -100	-13%
C - Created	0	0	0	NA
P - In a product that leaves the process	>100 to 1000	>100 to 1000	> -10 to -100	-16%
Summary of reasons for changes between current year and previous year.	Decrease in Production levels.			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

**Progress In Implementing Plan**

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	<p>Changing or Modification of tank tops could not be implemented due to engineering limitations. Inventory is tracked and cycled through to reduce expired material. Where possible containers are rinsed into the product so there is little or no residual material in the container. In addition, where possible batches are scheduled in a manner that reduces the need to clean out tanks before the next batch is loaded reducing wastewater generated. All wastewater is collected and shipped off-site for treatment and disposal.</p>		
Summary of the toxics reductions achieved as a result of the steps taken	<b>Pathways</b>	<b>tonnes</b>	<b>%</b>
	Used	9.1078	4.80%
	Created	N/A	N/A
	Contained in Product	N/A	N/A
	On-Site Releases to Air	N/A	N/A
	On-Site Releases to Water	N/A	N/A
	On-Site Releases to Land	N/A	N/A
	Disposal On-Site	N/A	N/A
	Disposal Off-Site	0.0532	0.90%
Transfer Off-Site for Recycling	N/A	N/A	
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	none		
Summary of differences between steps taken and those set out in the plan.	none		
Description of amendments to the plan.	none		

## Atotech Canada Inc. - Burlington Facility

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	Phosphorus, Total
CAS #	--
Report Date:	30-May-14
Plan Date:	30-Dec-13
Plan Objectives and Targets	We continue to strive to eliminate or reduce the use of toxic substances at the facility where possible. This plan was used to determine the technical and economic feasibility of each reduction option to determine which, if any, are viable for implementation at this time. Preparation of this plan and efforts to implement will contribute to the prevention of pollution and specifically to protection of the health of Ontarians and the local environment.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>10 to 100	>10 to 100	> -1 to -10	-11%
C - Created	0	0	0	NA
P - In a product that leaves the process	>10 to 100	>10 to 100	> -1 to -10	-11%
Summary of reasons for changes between current year and previous year.	Decrease in production levels			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	NA
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	NA
Summary of differences between steps taken and those set out in the plan.	NA
Description of amendments to the plan.	NA

## Atotech Canada Inc. - Burlington Facility

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	FORMIC ACID
CAS #	64-18-6
Report Date:	30-May-14
Plan Date:	31-Dec-14
Plan Objectives and Targets	We continue to strive to eliminate or reduce the use of toxic substances at the facility where possible. This plan was used to determine the technical and economic feasibility of each reduction option to determine which, if any, are viable for implementation at this time. Preparation of this plan and efforts to implement will contribute to the prevention of pollution and specifically to protection of the health of Ontarians and the local environment.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>10 to 100	>10 to 100	>0 to 1	3%
C - Created	0	0	0	NA
P - In a product that leaves the process	>1 to 10	>10 to 100	>1 to 10	30%
Summary of reasons for changes between current year and previous year.	Increase in production			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	NA
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	NA
Summary of differences between steps taken and those set out in the plan.	NA
Description of amendments to the plan.	NA

## Atotech Canada Inc. - Burlington Facility

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	Ammonia
CAS #	7664-41-7
Report Date:	30-May-14
Plan Date:	1-Dec-13
Plan Objectives and Targets	The facility's intent is to reduce the use of toxics substances, specifically ammonia at the facility. Reduction options and implementation options will be achieved through process modifications, spill and leak prevention initiatives, procedural improvements, improved inventory management program and employee education and training.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>10 to 100	>10 to 100	> -1 to -10	-19%
C - Created	0	0	0	NA
P - In a product that leaves the process	>10 to 100	>10 to 100	> -1 to -10	-17%
Summary of reasons for changes between current year and previous year.	Decrease in production.			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	NA
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	NA
Summary of differences between steps taken and those set out in the plan.	NA
Description of amendments to the plan.	NA

## Atotech Canada Inc. - Burlington Facility

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	PM10 - PARTICULATE MATTER <=10MICRONS
CAS #	--
Report Date:	30-May-14
Plan Date:	1-Dec-13
Plan Objectives and Targets	The facility does not intend to implement a reduction option for particulate matter (PM10). Atotech will continue to investigate process efficiencies and continuous improvement efforts through management system objectives, business initiatives and production requirements in an effort to reduce the creation of PM10 in the future.

#### Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>0 to 1	>0 to 1	0	0%
P - In a product that leaves the process	0	0	0	NA
Summary of reasons for changes between current year and previous year.	NA			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	NA
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	NA
Summary of differences between steps taken and those set out in the plan.	NA
Description of amendments to the plan.	NA

## Atotech Canada Inc. - Burlington Facility

### Toxics Reduction Public Summary Report

#### Substance Information and Plan Objective

Substance Name	PM2.5 - PARTICULATE MATTER <=2.5MICRONS
CAS #	--
Report Date:	30-May-14
Plan Date:	1-Dec-13
Plan Objectives and Targets	The facility does not intend to implement a reduction option for particulate matter (PM2.5). Atotech will continue to investigate process efficiencies and continuous improvement efforts through management system objectives, business initiatives and production requirements in an effort to reduce the creation of PM2.5 in the future.

#### Toxics Substance Accounting and Comparison

Pathways	2012 tonnes	2013 tonnes	Delta	Delta %
Units reported				
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>0 to 1	>0 to 1	0	0%
P - In a product that leaves the process	0	0	0	NA
Summary of reasons for changes between current year and previous year.	NA			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

#### Progress in Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	NA
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	NA
Summary of differences between steps taken and those set out in the plan.	NA
Description of amendments to the plan.	NA