Facility	Inf	orm	ation	ı

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	sonya.sommer@atotech.com
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, Torceletti)

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) 7440-02-0 CAS# Report Date: 30-May-14 31-Dec-12 Plan Date: 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 Plan Objectives and Targets 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 2012 2013 Delta % Pathways Units reported tonnes tonnes U - Enters the Process (Raw Materials) >10 to 100 >10 to 100 > -1 to -10 -10% P - In a product that leaves the process >10 to 100 >10 to 100 > -1 to -10 -1**1**% Summary of reasons for changes between Decrease in production levels current year and previous year. 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 Changing or Modification of formulations is not an option at this time. 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 Summary of steps taken during the previous calendar year to material. Where possible containers are rinsed into the implement the plan and a summary of the toxics reductions product so there is little or no residual material in the achieved as a result of the steps taken. container. In addition, where possible batches are scheduled in a

Pathways

Created

Contained in Product

Disposal On-Site

Disposal Off-Site

On-Site Releases to Air

On-Site Releases to Water

On-Site Releases to Land

Transfer Off-Site for Recycling

none

none

Used

Summary of the toxics reductions achieved as

Description of amendments to the plan.

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.

Summary of differences between steps taken and those set out in

a result of the steps taken

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

> tonnes 2.7950

> > N/A

N/A

N/A

N/A

N/A

N/A

N/A

0.7870

1.47%

N/A

N/A

N/A

N/A

N/A

N/A

N/A

54.2%

treatment and disposal.

	Atotech Car	nada Inc Burl	ington Facility			
	Toxics Red	uction Public Su	mmary Report			
instance Inform	nation and Plan Objective					
ibotalioo iiiioiii	Substance Name	CHROMIUM (VI) C	OMPOUNDS			
	CAS#	18540-29-9				
	Report Date:	30-May-14				
	Plan Date:	31-Dec-12				
	Plan Objectives and Targets	facility where possi economic feasibility viable for implement implement will cont	ve to eliminate or red ible. This plan was us y of each reduction op ntation at this time. Pr tribute to the preventi- ealth of Ontarians and	ed to determine the option to determine when the determine when the plant of this plant on of pollution and sp	technical and nich, if any, are n and efforts to pecifically to	
xics Substance	Accounting and Comparison	l				
	Pathways	2012	2013	Delta	Delta %	
	Units reported	tonnes	tonnes			
	U - Enters the Process (Raw Materials)	>100 to 1000	>100 to 1000	> -10 to -100	-13%	
	C - Created	0	0	0	NA 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 Produ	ction levels.			
ogress in imple	ementing Plan		Changing or Modific	p?lang=en ation of tank tops co	uld not be	
ogress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxicachieved as a result of the steps taken.	cs reductions	implemented due to	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed into sidual material in the possible batches are so the need to clean of ded reducing wastevallected and shipped of sal.	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for	
ogress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic		implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where pimanner that reduces the next batch is loa All wastewater is co	ation of tank tops co- engineering limitation and cycled through the tainers are rinsed intresidual material in the possible batches are so the need to clean of ded reducing wastevillected and shipped of	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated.	
gress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic	cs reductions	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where pimanner that reduces the next batch is loa All wastewater is co	ation of tank tops co- engineering limitation and cycled through the tainers are rinsed intresidual material in the possible batches are so the need to clean of ded reducing wastevillected and shipped of sal.	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for	
gress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic	Pathways Used Created	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where pr manner that reduces the next batch is loa All wastewater is co treatment and dispo	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed intensidual material in the possible batches are so the need to clean of ded reducing wastev lected and shipped co sal.  tonnes 9.1078 N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for  4.80% N/A	
gress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxicachieved as a result of the steps taken.	Pathways Used Created Contained in Prod	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where p manner that reduces the next batch is loa All wastewater is co treatment and dispo	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed into sidual material in the possible batches are so the need to clean o ded reducing wastev lected and shipped co sal.  tonnes 9.1078 N/A N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for   4.80% N/A N/A	
gress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic achieved as a result of the steps taken.  Summary of the toxics reductions achieved as	Pathways Used Created Contained in Prod	implemented due to Inventory is tracked material. Where possible con there is little or no re in addition, where pi manner that reduces the next batch is loa All wastewater is co treatment and dispout	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed intensidual material in the ssible batches are so the need to clean of ded reducing wastev lected and shipped of sal.  tonnes  9.1078  N/A  N/A  N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for	
gress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxicachieved as a result of the steps taken.	Pathways Used Created Contained in Prod On-Site Releases On-Site Releases	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where pumanner that reduces the next batch is loa All wastewater is co treatment and dispoute to Air to Water	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed into sidual material in the sidual material in the sible batches are sistenced to clean of ded reducing wastev lected and shipped of sal.  tonnes 9.1078 N/A N/A N/A N/A N/A N/A N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for	
gress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic achieved as a result of the steps taken.  Summary of the toxics reductions achieved as	Pathways Used Created Contained in Prod On-Site Releases On-Site Releases	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where pumanner that reduces the next batch is loa All wastewater is co treatment and dispoute to Air to Water	ation of tank tops corengineering limitation and cycled through the tainers are rinsed interested and tainers are rinsed in the possible batches are so the need to clean oded reducing wastev lected and shipped cosal.  tonnes 9.1078 N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for	
gress in Imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic achieved as a result of the steps taken.  Summary of the toxics reductions achieved as	Pathways Used Created Contained in Prod On-Site Releases On-Site Releases Disposal On-Site	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where pumanner that reduces the next batch is loa All wastewater is co treatment and dispoute to Air to Water	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed intensible batches are so the need to clean of ded reducing wastevellected and shipped co sal.  tonnes 9.1078 N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for	
ogress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic achieved as a result of the steps taken.  Summary of the toxics reductions achieved as	Pathways Used Created Contained in Prod On-Site Releases On-Site Releases Disposal On-Site Disposal Off-Site	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where p manner that reduces the next batch is loa All wastewater is co treatment and dispout to Air to Water to Land	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed into sidual material in the possible batches are so the need to clean or ded reducing wastev lected and shipped co sal.  tonnes 9.1078 N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for	
ogress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic achieved as a result of the steps taken.  Summary of the toxics reductions achieved as	Pathways Used Created Contained in Prod On-Site Releases On-Site Releases Disposal On-Site Disposal Off-Site Transfer Off-Site fe e previous calendar of the steps and	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where pumanner that reduces the next batch is loa All wastewater is contreatment and disposition of the contract and dispositio	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed intensible batches are so the need to clean of ded reducing wastevellected and shipped co sal.  tonnes 9.1078 N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for	
gress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic achieved as a result of the steps taken.  Summary of the toxics reductions achieved as a result of the steps taken  Summary of additional actions taken during the year that impacted the toxic, and a summary of a	Pathways Used Created Contained in Prod On-Site Releases On-Site Releases On-Site Releases Disposal On-Site Disposal Off-Site Transfer Off-Site fe e previous calendar of the steps and	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where pumanner that reduces the next batch is loa All wastewater is co treatment and dispound to Air to Water to Land  or Recycling	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed into sidual material in the possible batches are so the need to clean or ded reducing wastev lected and shipped co sal.  tonnes 9.1078 N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for	
ress in imple	Summary of steps taken during the previous of implement the plan and a summary of the toxic achieved as a result of the steps taken.  Summary of the toxics reductions achieved as a result of the steps taken  Summary of additional actions taken during the year that impacted the toxic, and a summary of toxics reductions achieved as a result of those	Pathways Used Created Contained in Prod On-Site Releases On-Site Releases On-Site Releases Disposal On-Site Disposal Off-Site Transfer Off-Site fe e previous calendar of the steps and	implemented due to Inventory is tracked material. Where possible con there is little or no re In addition, where pumanner that reduces the next batch is loa All wastewater is co treatment and dispound to Air to Water to Land  or Recycling	ation of tank tops co- engineering limitation and cycled through to tainers are rinsed into sidual material in the possible batches are so the need to clean or ded reducing wastev lected and shipped co sal.  tonnes 9.1078 N/A	ns. o reduce expired o the product so e container. scheduled in a ut tanks before vater generated. off-site for    4.80% N/A	

none

Description of amendments to the plan.

Atote	ch Canada Inc B	urlington Facilit	y	
Toxio	s Reduction Public	Summary Report	t	
stance Information and Plan Objective				
Substance Name	Phosphorus, Total			
CAS#				
Report Date:	30-May-14			
Plan Date:	30-Dec-13			
Plan Objectives and Targets	economic feasibilit viable for impleme implement will con	ossible. This plan was y of each reduction op ntation at this time. Pr tribute to the preventic ealth of Ontarians and	otion to determine ve eparation of this ploon of pollution and	which, if any, are an and efforts to specifically to
Pathways	2012	2013	Delta	
Units reported				Delta %
Jorna reported	tonnes	tonnes		Delta %
U - Enters the Process (Raw Materials)	>10 tonnes	tonnes >10 to 100	> -1 to -10	Delta % -11%
			> -1 to -10	

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

Decrease in production levels

Progress	in	Imp	leme	nting	Plan
----------	----	-----	------	-------	------

Summary of reasons for changes between current year and previous year.

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

Substance	Information and Pla	n Objective

All Olinia and Later Conference	
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		1.1
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 product	ion		

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

i tilibleliieliid i idii	
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

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 intiatives, 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		1 1
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 produc	etion.		

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

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

Substance	Information	n and Plan	Objective

Substance Name	PM10 - PARTICULATE MATTER <=10MICRONS
CAS#	<b></b>
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 initatives and production requirements in an effort to reduce the creation of PM10 in the future.

Toxics Substance Accounting and Comparison

Pathways	2012	2013	Delta	Deita %
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 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

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

Substance	Information	and Plan Objective	

intomation and Figure 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 initatives and production requirements in an effort to reduce the creation of PM2.5 in the future.			

Toxics Sub<u>stance Accounting</u> and Comparison

Pathways	2012	2013	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA 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-nprl/default.asp?lang=en

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