Toxics Reduction Public Summary Report

Feeilit	Information	
Facility		Atatash Canada Ing
		Burlington Facility
	Facility Physical Address	1180 Corporate Drive, Burlington, UN L/L 5Kb
1	Facility Mailing Address	1180 Corporate Drive, Burlington, ON L7L 5R6
1	Spatial Coordinates of Facility	Latitude: 43.3793 Longitude: -79.7815
1	Number of Employees	28
	NPRI ID	1109
	2 Digit NAICS Code	32
1	4 Digit NAICS Code	3259
1	6 Digit NAICS Code	325999
Parent	Company Information	
	Parent Company Name	Atotech BV
l	Address	Strijkviertel 35-2 De Meern, 3454 PJ Netherland
	Percent Ownership (if available)	100%
Facility	Contact	
l	Public Contact	Susan Guida
l	Position	Site Manager
l	Address	1180 Corporate Drive, Burlington, ON L7L 5R6
	email	sue.quida@atotech.com
	Phone	289-288-4440
	Fax	905-332-0841
Date of	Summary	
	Reporting Year	2018
	Summary Date	June 1, 2019
	-	
Toxics S	Substances Reported	
	Nickel, Hexavalent Chromium, Total Ph	iosphorous, Cobalt, Ammonia, PM10, PM2.5
Сору с	of Certification:	
As of J	une 1. 2019. 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	e the information contained in the report(s) is factually accurate and complies with the
Tovice	Peduction Act. 2009 and Ontario Regula	tion 455/00 (Ceneral) made under that Act
TUXIUS	Reduction Act, 2009 and Ontario Regula	alon 455/09 (General) made under mar Adi.

The original version of this report is signed off by:

Highest Ranking Employee: Susan Guida Title: Site Manager

	Allech	Canada Inc Burli	ngton Facility		
	Toxics R	eduction Public Sur	nmary Report		
ince Info	rmation and Plan Objective				
	Substance Name	NICKEL (AND ITS	COMPOUNDS EXC	EPT NICKEL CARB	ONYL)
	CAS #	7440-02-0			
	Report Date:	30-May-19			
	Plan Date:	31-Dec-12			
	Plan Objectives and Targets	We continue to stri facility where possi economic feasibility viable for implemer implement will cont protection of the he	ve to eliminate or re- ble. This plan was us y of each reduction o ntation at this time. P rribute to the prevent ealth of Ontarians and	duce the use of toxic sed to determine the ption to determine w reparation of this pla ion of pollution and s d the local environm	substances at the technical and thich, if any, are an and efforts to specifically to ent.
Substan	ce Accounting and Comparison				
	Pathways	2017	2018	Delta	Delta %
	Units reported	tonnes	tonnes	20114	20111 /0
	U - Enters the Process (Raw Materials)	>10 to 100	>10 to 100	> -1 to -10	-11%
	C - Created	0.0	0.0	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 betwee current year and previous year.	n Decreased product	tion of nickel product	s	
ss in Imp	Summary of reasons for changes betwee current year and previous year. On-site releases from the facility to air be viewed by searching for this facility plementing Plan	n Decreased product , water and land, as we at http://www.ec.gc.ca	tion of nickel product ell as on and off-site /inrp-npri/default.as	s e disposal and off-s sp?lang=en	ite recycling can
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Jubstance Information and Plan Objective CHROMIUM (VI) COMPOUNDS CAS # 18540-29-9 Report Date: 30-May-19 Plan Date: 31-Dec-12 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 implementent will contribute to the prevention of pollution and specifically to protection of the health of Ontarians and the local environment. pxics Substance Accounting and Comparison 2017 2018 Delta Delta % Unlis reported ionnes ionnes on 10 -100% C - Greated >0 0 0 NA U - Bitters the Process (Raw Materials) >1 to 10 >0 to 1 >-1 to -10 -100% C - Greated >0 0 0 NA Decreased production of hexavalent chromium products current year and previous year. Decreased production of hexavalent chromium products -100% C - Greated Summary of steps taken during the previous calendar year to implemented by searching for this facility at http://www.ec.gc.c.c.di/inpr-npri//default.asp?lang=en None - A		Toxics Re	eduction Public Su	mmary Report		
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CAS # 16540-29-9 Report Date: 30-May-19 Plan Date: 31-Dec-12 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 line. 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. pxics Substance Accounting and Comparison 2017 2018 Deta Deta % Whits reported tonnes 1000% 0 0 NA C - Created 0 0 0 NA P - In a product that leaves the process >1 to 10 >0 to 1 >-1 to -10 -100% Summary of reasons for changes between curvery year and previous year. Decreased production of hexavalent chromium products corgress in Implementing Plan Summary of steps taken during the previous calendar year to implemented and quantified where feasible None - All options implemented and quantified where feasible Summary of the toxics reductions achieved as a result of the steps taken None - All options implemented and quantified where feasible Summary of differences between steps taken and those set out in the plan None All optio		Substance Name	CHROMIUM (VI) C	OMPOUNDS		
Report Date: 30-May-19 Plan Date: 31-Dec-12 Plan Date: 31-Dec-12 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. boxics Substance Accounting and Comparison Pathways 2017 2018 Deta Deta % Units reported tonnes tonnes 100% - 100% 0 0 NA P - In a product that leaves the process > 10 10 > 0 to 1 > - 100% - 100% Summary of reasons for changes between current year and previous year. Decreased production of hexavalent chromium products Consite 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 rogress in Implementing Plan Summary of the steps taken. None - All options implemented and quantified where feasible Summary of additional actions taken during the previous calendar year to implemented and quantified where feasible None - All options implemented and quanti		CAS #	18540-29-9			
Plan Date: 31-Dec-12 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 meath of Ontarians and the local environment. exclose Substance Accounting and Comparison 2017 2018 Delta Model Delta % Units reported tonnes 0 0 NA U - Enters the Process (Raw Materials) >1 to 10 >0 to 1 >-1 to -10 -100% C - Created 0 0 0 NA P - in a product that leaves the process >1 to 10 >0 to 1 >-1 to -10 -100% Summary of reasons for changes between current year and previous year. Decreased production of hexavalent chromium products 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 ogress in Implementing Plan None - All options implemented and quantified where feasible Summary of the toxics reductions achieved as a result of the steps and toxics reductions achieved as a result of the steps and toxics reductions achieved as a result of		Report Date:	30-May-19			
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Pathways 2017 2018 Delta Delta % Units reported tonnes tonne tone <td>xics Substance</td> <td>e Accounting and Comparison</td> <td></td> <td></td> <td></td> <td></td>	xics Substance	e Accounting and Comparison				
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Description of amendments to the plan. None		Summary of differences between steps tak	en and those set out in	None		
		the plan.				

Toxics Reduction Public Summary Report

	Phosphorus Total			
Benort Date:	30-May-19			
Plan Date:	30-May-13			
Plan Objectives and Targets	The facility's intent is phosphorus at the fa achieved through pro procedural improven employee education	to reduce the use of cility. Reduction optic poess modifications, s nents, improved invent and training.	toxics substances , sons and implementat pill and leak prevent tory management pr	specifically ion options wil ion intiatives, ogram and
stance Accounting and Comparison				
Pathways	2017	2018	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>10 to 100	>10 to 100	>1 to 10	16%
C - Created	0	0	0	NA
P - In a product that leaves the process	>10 to 100	>10 to 100	>1 to 10	14%
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air,	Increased production water and land, as wel	n of phosphorus produ	icts lisposal and off-sit	e recycling ca
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility	Increased production water and land, as wel at http://www.ec.gc.ca/i	n of phosphorus produ l as on and off-site c nrp-npri/default.asp	icts lisposal and off-sit ?lang=en	e recycling ca
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility Implementing Plan Summary of steps taken during the previou implement the plan and a summary of the t achieved as a result of the steps taken.	Increased production water and land, as wel at http://www.ec.gc.ca/i us calendar year to toxics reductions	n of phosphorus produ I as on and off-site c nrp-npri/default.asp None - All options in feasible	icts lisposal and off-sit ?lang=en nplemented and qua	e recycling ca
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility Implementing Plan Summary of steps taken during the previou implement the plan and a summary of the tachieved as a result of the steps taken. Summary of additional actions taken during year that impacted the toxic, and a summar reductions achieved as a result of those actions taken during	Increased production water and land, as wel at http://www.ec.gc.ca/i us calendar year to toxics reductions g the previous calendar ry of the steps and toxics ctions.	n of phosphorus produ I as on and off-site c nrp-npri/default.asp None - All options in feasible None - All options in feasible	icts disposal and off-sit ?lang=en nplemented and qua	e recycling ca ntified where ntified where
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Toxics Reduction Public Summary Report

	information and Flan Objective				
	Substance Name	COBALT (AND ITS C	OMPOUNDS)		
	CAS #	7440-48-4			
	Report Date:	30-May-19			
	Plan Date:	15-May-18			
	Plan Objectives and Targets	The facility's intent, by use of toxic substances nature of cobalt's prope economically feasible t Cobalt and its compoun to improve our process modifications, spill and inventory management	means of the Toxic Rec s; specifically Cobalt an rities, the reduction or e o be achieved. Atotech ids in manufactured pri- es through compliance leak prevention initiativ program and employed	duction Planning Proc d its compounds at the elimination is not tech has no option but to o oducts. However, we with all applicable reg res, procedural impro- e education and traini	ess, is to reduce the e facility. Due to the nically or continue the use of will continually strive gulations, process vements, improved ng.
Sub	stance Accounting and Comparison				
	Pathways	2017	2018	Delta	Delta %
	Units reported	tonnes	tonnes		
	U - Enters the Process (Raw Materials)	>1 to 10	>1 to 10	>0 to -1	-14%
	C - Created	0	0	0	NA
	P - In a product that leaves the process	>1 to 10	>1 to 10	>0 to -1	-14%
					•
	Summary of reasons for changes between current year and previous year.	Decreased productio	n of Cobalt products.	lisposal and off-si	e recycling can
ess in	Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w be viewed by searching for this facility at Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the to: achieved as a result of the steps taken.	Decreased productio rater and land, as well http://www.ec.gc.ca/in calendar year to kics reductions	n of Cobalt products. as on and off-site o nrp-npri/default.asp None - no actions ta	lisposal and off-si ?lang=en iken	te recycling can
ss in	Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w be viewed by searching for this facility at Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the to achieved as a result of the steps taken. Summary of additional actions taken during the year that impacted the toxic, and a summary reductions achieved as a result of those actions	Decreased production rater and land, as well http://www.ec.gc.ca/in calendar year to kics reductions he previous calendar of the steps and toxics ons.	n of Cobalt products. as on and off-site of nrp-npri/default.asp None - no actions ta None	disposal and off-si ?lang=en iken	e recycling can
ss in	Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w be viewed by searching for this facility at Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the to achieved as a result of the steps taken. Summary of additional actions taken during the year that impacted the toxic, and a summary reductions achieved as a result of those actions Summary of differences between steps taken the plan.	Decreased production rater and land, as well http://www.ec.gc.ca/in calendar year to kics reductions he previous calendar of the steps and toxics ons.	n of Cobalt products. as on and off-site of nrp-npri/default.asp None - no actions ta None	disposal and off-si ?lang=en iken	ie recycling can

Toxics Reduction Public Summary Report

lance					
	Substance Name	Ammonia			
	CAS #	7664-41-7			
	Report Date:	30-May-19			
	Plan Date:	1-Dec-13			
	Plan Objectives and Targets	The facility's intent is ammonia at the facili achieved through pro procedural improvem employee education	to reduce the use of y. Reduction options cess modifications, s ents, improved inven and training.	toxics substances , s s and implementation pill and leak preventi tory management pr	pecifically options will be on intiatives, ogram and
s Sub	ostance Accounting and Comparison				
	Pathways	2016	2017	Delta	Delta %
	Units reported		tonnes		
	U - Enters the Process (Raw Materials)		>10 to 100	>1 to 10	11%
	C - Created		0	0	NA
	P - In a product that leaves the process		>10 to 100	> -1 to -10	-31%
	Summary of reasons for changes between	Increased purchasing	of Ammonia produc	to	
ress ir	Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, wa be viewed by searching for this facility at l n Implementing Plan	Increased purchasing ater and land, as well http://www.ec.gc.ca/ii	of Ammonia produc as on and off-site o rrp-npri/default.asp	ts. disposal and off-site ?lang=en	e recycling can
ress ir	Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, wa be viewed by searching for this facility at l n Implementing Plan Summary of steps taken during the previous of implement the plan and a summary of the toxi achieved as a result of the steps taken.	Increased purchasing ater and land, as well http://www.ec.gc.ca/in calendar year to ics reductions	of Ammonia produc as on and off-site o np-npri/default.asp None - no actions t	ts. disposal and off-site ?lang=en aken	e recycling can
ress ir	Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, wa be viewed by searching for this facility at l in Implementing Plan Summary of steps taken during the previous of implement the plan and a summary of the toxi achieved as a result of the steps taken. Summary of additional actions taken during th year that impacted the toxic, and a summary of reductions achieved as a result of those action	Increased purchasing ater and land, as well http://www.ec.gc.ca/in calendar year to ics reductions ne previous calendar of the steps and toxics ns.	of Ammonia produc as on and off-site o nrp-npri/default.asp None - no actions t None	ts. disposal and off-site ?lang=en aken	e recycling can
ress ir	Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, wa be viewed by searching for this facility at land Implementing Plan Summary of steps taken during the previous of implement the plan and a summary of the toxi achieved as a result of the steps taken. Summary of additional actions taken during th year that impacted the toxic, and a summary of reductions achieved as a result of those action Summary of differences between steps taken the plan.	Increased purchasing ater and land, as well http://www.ec.gc.ca/in calendar year to ics reductions ne previous calendar of the steps and toxics ns. and those set out in	of Ammonia produc as on and off-site o nrp-npri/default.asp None - no actions t None	ts. disposal and off-site ?lang=en aken	e recycling can

Substance Name			MICRONS	
	FINITU - FARTICULA	ATE MATTER S-10	MICRONS	
CAS # Report Date:				
Report Date.	1 Dog 12			
Plan Objectives and Targets	The facility does not matter (PM10). Ato continuous improve business initatives a creation of PM10 in	t intend to implement tech will continue to ment efforts through and production requite the future.	nt a reduction option o investigate process n management syste irements in an effort	n for particulate s efficiencies and em objectives, t to reduce the
bstance Accounting and Comparison				
Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)		0	0	NA 0.0%
C - Created	20101	-0101	20101	0.2%
Summary of reasons for changes betweer current year and previous year.	ר Insignificant			
Summary of reasons for changes betweer current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility	h Insignificant , water and land, as we at http://www.ec.gc.ca	ll as on and off-si /inrp-npri/default.a	te disposal and ofi asp?lang=en	f-site recycling o
Summary of reasons for changes betweer current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility n Implementing Plan Summary of steps taken during the previo implement the plan and a summary of the achieved as a result of the steps taken.	Insignificant , water and land, as we at http://www.ec.gc.ca us calendar year to toxics reductions	II as on and off-si /inrp-npri/default.a	te disposal and ofi asp?lang=en	f-site recycling o
Summary of reasons for changes betweer current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility n Implementing Plan Summary of steps taken during the previo implement the plan and a summary of the achieved as a result of the steps taken. Summary of additional actions taken durin calendar year that impacted the toxic, and steps and toxics reductions achieved as a	Insignificant , water and land, as we at http://www.ec.gc.ca us calendar year to toxics reductions g the previous a summary of the result of those actions.	ell as on and off-si /inrp-npri/default.a NA	te disposal and off asp?lang=en	f-site recycling o
Summary of reasons for changes betweer current year and previous year. On-site releases from the facility to air, be viewed by searching for this facility n Implementing Plan Summary of steps taken during the previo implement the plan and a summary of the achieved as a result of the steps taken. Summary of additional actions taken durin calendar year that impacted the toxic, and steps and toxics reductions achieved as a Summary of differences between steps tak in the plan.	Insignificant , water and land, as we at http://www.ec.gc.ca us calendar year to toxics reductions g the previous a summary of the result of those actions. ken and those set out	ell as on and off-si /inrp-npri/default.a NA NA	te disposal and off asp?lang=en	f-site recycling
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	D.40 5 D.4 D			
Substance Name	PM2.5 - PARTICUL	AIE MAIIER <=2.	5MICRONS	
CAS #				
Report Date:	30-May-19			
Plan Date:	1-Dec-13			
Plan Objectives and Targets	The facility does no matter (PM2.5). At continuous improve business initatives creation of PM2.5 i	It intend to implement otech will continue ement efforts through and production requ in the future.	nt a reduction option to investigate proces h management syste irements in an effort	i for particulate ss efficiencies and em objectives, t to reduce the
Substance Accounting and Comparison				
Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0		NA
C - Created P - In a product that leaves the process	>0 10 1	>0101	>0101	0.2%
Summary of reasons for changes between current year and previous year.	Insignificant			
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w be viewed by searching for this facility at	Insignificant vater and land, as w t http://www.ec.gc.ca	ell as on and off-si a/inrp-npri/default.a	te disposal and off asp?lang=en	f-site recycling ca
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w be viewed by searching for this facility at ss in Implementing Plan	Insignificant vater and land, as w t http://www.ec.gc.ca	ell as on and off-si /inrp-npri/default.a	te disposal and off asp?lang=en	f-site recycling c
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w be viewed by searching for this facility at ss in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the to achieved as a result of the steps taken.	Insignificant vater and land, as w t http://www.ec.gc.ca calendar year to xics reductions	ell as on and off-si a/inrp-npri/default.a	te disposal and off asp?lang=en	f-site recycling c
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w be viewed by searching for this facility at ss in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the to achieved as a result of the steps taken. Summary of additional actions taken during calendar year that impacted the toxic, and a steps and toxics reductions achieved as a re	Insignificant vater and land, as w t http://www.ec.gc.ca calendar year to xics reductions the previous summary of the esult of those actions.	ell as on and off-si a/inrp-npri/default.a NA	te disposal and off asp?lang=en	f-site recycling c
Summary of reasons for changes between current year and previous year. On-site releases from the facility to air, w be viewed by searching for this facility at ss in Implementing Plan Summary of steps taken during the previous implement the plan and a summary of the to achieved as a result of the steps taken. Summary of additional actions taken during calendar year that impacted the toxic, and a steps and toxics reductions achieved as a re Summary of differences between steps take in the plan.	Insignificant vater and land, as w t http://www.ec.gc.ca calendar year to xics reductions the previous summary of the esult of those actions. n and those set out	ell as on and off-si a/inrp-npri/default.a NA NA	te disposal and off asp?lang=en	f-site recycling c