Substance & CAS No):	Ethylene Glycol	107-21-1					
Substances at the Facility for which a Plan has been developed:		See Table 1						
a Plan has been deve	•							
Facility Identification and Site Address								
	Company Name Ford Motor Company of Canada Limited							
Facility Name		Oakville Assem						
		Physical Address	Mailing Address (if different)					
Facility Address		The Canadian Road	P.O. Box 1300					
Tuomity Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates		607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee	s	2983						
NPRI ID Number		3419						
Ontario MOE ID Num	ber	6763						
		Parent Company Information						
Parent Company Nan	ne	Ford Motor Company	of Canada Limited					
Parent Company Add		The Canadian Road, O						
Percent Ownership		1009						
Parent Company Cor	ntact	Blake Smith						
		erican Industrial Classification System	n Code (NAICS)					
		Code	Description					
2-digit NAICS Code		33	Manufacturing					
4-digit NAICS Code		336	Transportation Equipment Manufacturing					
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing					
		Company Contact Information						
	Name	Blake Smith						
	Title	Director, EEVS	The Canadian Road					
Facility public	Email	bsmith29@ford.com	Oakville, ON					
contact	Telephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
	Toxic S	ubstance Reduction Planner Informa	tion					
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making	Email	pduever@dillon.ca	Kitchener, ON					
Recommendations Telephone #		519-571-9833 x3106	N2H 5G5					
Fax #		519-571-7424						
Planner Company License #		Patsy Duever						
		Dillon Consulting Limited	Dillon Consulting Limited					
		TSRP0119	51 Breithaupt Street					
Responsible for	Email	pduever@dillon.ca	Kitchener, ON					
Certification	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
,								

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
co	Trimethylbenzene					
	Acetone					

Patay Duever

TSRP:

This plan summary Statement of the toxic substance reduction plan for ethylene glycol, prepared by Oakville Assembly Complex, dated November 7, 2013. Statement of Thintent Oakville Assembly Complex does not intend to reduce the use of ethylene glycol as no reduction options were identified as technically and economically feasible. Objective While Oakville Assembly Complex does not intend to reduce the use of ethylene glycol as no reduction options were identified as technically and economically feasible, the facility will continue to monitor industry standards for the use of ethylene glycol for coolant in vehicles. Description of Substance and Use/Creation For a description of how, when, where, and why ethylene glycol is used, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC. Options to be Implemented As no options were identified as technically and economically feasible, the facility does not intend to implement any options. Certifications (s. 19) Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: Date: December 9, 2013. P atsy Quever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection of the content of th									
Statement of Intent Oakville Assembly Complex does not intend to reduce the use of ethylene glycol as no reduction options were identified as technically and economically feasible. Objective While Oakville Assembly Complex has not identified any reduction options as technically and economically feasible, the facility will continue to monitor industry standards for the use of ethylene glycol for coolant in vehicles. Description of Substance and Use/Creation For a description of how, when, where, and why ethylene glycol is used, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC. Options to be Implemented As no options were identified as technically and economically feasible, the facility does not intend to implement any options. Certifications (s. 19) Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. HRE: Date: December 9, 2013 December 9, 2013	Plan Summary Stateme	ent							
Oakville Assembly Complex does not intend to reduce the use of ethylene glycol as no reduction options were identified as technically and economically feasible. Objective While Oakville Assembly Complex has not identified any reduction options as technically and economically feasible, the facility will continue to monitor industry standards for the use of ethylene glycol for coolant in vehicles. Description of Substance and Use/Creation For a description of how, when, where, and why ethylene glycol is used, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09*, prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC. Options to be Implemented As no options were identified as technically and economically feasible, the facility does not intend to implement any options. Certifications (s. 19) Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Oritario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: Date: December 9, 2013 December 9, 2013	This plan summary accurately reflects the content of the toxic substance reduction plan for ethylene glycol, prepared by Oakville Assembly Complex, dated November ?, 2013.								
Objective While Cakville Assembly Complex has not identified any reduction options as technically and economically feasible, the facility will continue to monitor industry standards for the use of ethylene glycol for coolant in vehicles. Description of Substance and Use/Creation For a description of New, when, where, and why ethylene glycol is used, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC. Options to be Implemented As no options were identified as technically and economically feasible, the facility does not intend to implement any options. Certifications (s. 19) Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: Date: December 9, 2013 Toxic Substance Reduction Planner	Statement of Intent	Statement of Intent							
While Oakville Assembly Complex has not identified any reduction options as technically and economically feasible, the facility will continue to monitor industry standards for the use of ethylene glycol for coolant in vehicles. Description of Substance and Use/Creation For a description of how, when, where, and why ethylene glycol is used, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC. Options to be Implemented As no options were identified as technically and economically feasible, the facility does not intend to implement any options. Certifications (s. 19) Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: Date: December 9, 2013 Toxic Substance Reduction Planner	Oakville Assembly Comp	Oakville Assembly Complex does not intend to reduce the use of ethylene glycol as no reduction options were identified as technically and economically feasible.							
Description of Substance and Use/Creation For a description of Now, when, where, and why ethylene glycol is used, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC. Options to be Implemented As no options were identified as technically and economically feasible, the facility does not intend to implement any options. Certifications (s. 19) Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: December 9, 2013 Toxic Substance Reduction Planner	Objective								
For a description of how, when, where, and why ethylene glycol is used, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC. Options to be Implemented	While Oakville Assembly	Complex has not identified any reduction options as technically and econo	omically feasible, the	he facility will continue to monitor industry standards for the use of ethylene glycol for coolant in vehicles.					
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Certifications (s. 19) Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: Date: December 9, 2013 Toxic Substance Reduction Planner									
Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: Date: December 9, 2013 Toxic Substance Reduction Planner	As no options were identife	d as technically and economically feasible, the facility does not intend to implement	t any options.						
Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: Date: December 9, 2013 Toxic Substance Reduction Planner									
As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: Date: December 9, 2013 Toxic Substance Reduction Planner									
Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol HRE: December 9, 2013 Toxic Substance Reduction Planner	Highest Ranking Emplo	pyee							
HRE: December 9, 2013 Toxic Substance Reduction Planner			for the toxic substa	ance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics					
Toxic Substance Reduction Planner	Ethylene Glycol								
	HRE:	TRE: December 9, 2013							
A still works 27 2002 Date Duran said, that I as familia with the control of substillation of substillatio	Toxic Substance Reduction Planner								
4(1) of the Toxics Reduction Act, 2009 that are set out in the plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act. Ethylene Glycol									

November 27, 2013

Date:

Substance & CAS No	:	Ethylene Glycol Monobutyl Ether 111-76-2			
Substances at the Facility for which a Plan has been developed:		See Table 1			
a Pian nas been deve		-1124-1-1-125-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
Company Name	Fa	cility Identification and Site Address Ford Motor Company	of Conodo Limited		
Facility Name		Oakville Assen			
racility Name		Physical Address	Mailing Address (if different)		
		The Canadian Road	P.O. Box 1300		
Facility Address		Oakville, ON	Oakville, ON		
		L6J 5E4	L6J 5C9		
Spatial Coordinates	of Eacility	607440 m E, 4815259 m N	Expressed as UTM within NAD		
Number of Employee		2983	Expressed as OTIVI WILLIIITIVAD		
NPRI ID Number	3	3419			
Ontario MOE ID Num	hor	6763			
Ontario WOL ID Num	Dei	Parent Company Information			
Danant Campan No.			of Canada Limitad		
Parent Company Nan Parent Company Add		Ford Motor Company			
Percent Ownership	iress	The Canadian Road, C			
Parent Company Cor		Blake Smith	% I		
		erican Industrial Classification System	n Codo (NAICS)		
FI	illiary North Allie	Code			
2-digit NAICS Code		33	Description Manufacturing		
		33			
4-digit NAICS Code		336	Transportation Equipment Manufacturing		
			· · · · · · · · · · · · · · · · · · ·		
6-digit NAICS Code		336110	Automotive and Light Duty Mot		
			Vehicle Manufacturing		
	Mana	Company Contact Information	T		
	Name Title	Blake Smith	The Oraclica Book		
Facility public		Director, EEVS	The Canadian Road		
contact	Email Telephone #	bsmith29@ford.com 905-845-2511 x1209	Oakville, ON L6J 5E4		
	Fax #		LOJ SE4		
		905-845-5360 Substance Reduction Planner Informa	41a.a		
			TION		
Planner	Name Company	Patsy Duever Dillon Consulting Limited	Dillon Consulting Limited		
Responsible for	License #	TSRP0119	51 Breithaupt Street		
Making	Email	pduever@dillon.ca	Kitchener, ON		
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5		
Fax #		519-571-9833 X3106 519-571-7424	11211 303		
	Name	Patsy Duever			
Company		Dillon Consulting Limited	Dillon Consulting Limited		
Planner	License #	TSRP0119	51 Breithaupt Street		
Responsible for	Email	pduever@dillon.ca	Kitchener, ON		
Certification	Telephone #	519-571-9833 x3106	N2H 5G5		
	Fax #	519-571-7424	11211 000		
	ι αλ π	313-371-7424	ı		

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
CO	Trimethylbenzene					
	Acetone					

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for ethylene glycol monobutyl ether, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of ethylene glycol monobutyl ether by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of ethylene glycol monobutyl ether by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why ethylene glycol monobutyl ether is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
Option Category	Option Description		I	1	Estimated Release to	Reductions (tonn	On-Site	Off-Site	<u> </u>	Contained in	Timeline to Achieve
Option Category	Орион Везсприон	Use	Creation	Release To Air	Water	Release to Land	Disposal	Disposal	Off-Site Recycle	Product	Reductions
Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.1	N/A	<0.1	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
substitution	14001 EMS	<0.1%		<0.1%							
	Continue to increase block size as part of OAC's existing	<0.2	N/A	<0.2	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
process modification	VOC Reduction Plan within the ISO 14001 EMS	<0.2%	14/7	<0.2%	IN/A IN/A		IVA IVA		1077	14//	500. 2014
7. Training or	Continue to implement "lockout" practice on all valves in	<0.1		<0.1		21/4	***		21/2		
improved operating paractices paractices	paint booths as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<0.1%	N/A	<0.1%	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014

Certifications (s. 19)	Certifications (s. 19)									
Highest Ranking Em	ployee									
	As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.								Toxics	
Ethylene Glycol Mono	butyl Ether									
HRE:	willith.	Date:	December 9, 20	December 9, 2013						
Toxic Substance Rec	luction Planner									
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.										
Ethylene Glycol Monobutyl Ether										
TSRP:	Patay Duever	Date:	November 27, 20)13						

		Isobutyl Alcohol 78-83-1						
Substances at the Faci a Plan has been develo		See Table 1						
	Fac	cility Identification and Site Address						
Company Name Ford Motor Company of Canada Limited								
Facility Name		Oakville Assen						
		Physical Address	Mailing Address (if different)					
		The Canadian Road	P.O. Box 1300					
Facility Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates of	Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employees		2983	•					
NPRI ID Number		3419						
Ontario MOE ID Numbe	er	6763						
		Parent Company Information						
Parent Company Name	,	Ford Motor Company	of Canada Limited					
Parent Company Addre		The Canadian Road, C						
Percent Ownership	-	100						
Parent Company Conta	act	Blake Smith	1					
		erican Industrial Classification System	n Code (NAICS)					
	y	Code	Description					
2-digit NAICS Code		33	Manufacturing					
4-digit NAICS Code		336	Transportation Equipment					
4-digit NAICS Code		000	Manufacturing					
6-digit NAICS Code		336110	Automotive and Light Duty Moto Vehicle Manufacturing					
		Company Contact Information	vernole ividificationing					
	Name	Blake Smith						
	Title	Director, EEVS	The Canadian Road					
Facility public	Email	bsmith29@ford.com	Oakville, ON					
contact	Telephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
		ubstance Reduction Planner Informa	ition					
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making	Email	pduever@dillon.ca	Kitchener, ON					
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5					
Fax #		519-571-7424	1					
	Name	Patsy Duever	İ					
Company		Dillon Consulting Limited	Dillon Consulting Limited					
Planner	License #	TSRP0119	51 Breithaupt Street					
Responsible for	Email	pduever@dillon.ca	Kitchener, ON					
Certification	Telephone #	519-571-9833 x3106	N2H 5G5					
I	Fax #	519-571-7424	1					

	Table 1
Ethylbenzene	PM ₁₀
Ethylene Glycol	PM _{2.5}
Ethylene glycol monobutyl ether	Butane
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate
Isopropanol	Heavy aromatic solvent naphtha
Methyl alcohol	Hexane
Methyl isobutyl ketone	Hydrotreated heavy naphtha
n-Butyl alcohol	Light aromatic solvent naphtha
Sulphuric acid	Methyl ethyl ketone
Toluene	n-Butyl acetate
1,2,4-Trimethylbenzene	n-Heptane
Xylene	Pentane
Zinc (and its compounds)	Solvent naphtha medium aliphatic
NO _x	Tetrahydrofuran
CO	Trimethylbenzene
	Acetone

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for isobutyl alcohol, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of isobutyl alcohol by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of isobutyl alcohol by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why isobutyl alcohol is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
			•			Reductions (tonne					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.3	N/A	<0.25	N/A	N/A	N/A	<0.002	<0.06	N/A	Dec. 2014
substitution	14001 EMS	<1%		<1%				<1%	<1%		
3. Equipment or	Continue to increase block size as part of OAC's existing			N/A	N/A N/A	<0.004	<0.12	N/A	Dec. 2014		
process modification	VOC Reduction Plan within the ISO 14001 EMS	<2%		<2%				<2%	<2%		
7. Training or improved operating	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction	<0.3	N/A	<0.25	N/A	N/A	N/A	<0.002	<0.06	N/A	Dec. 2014
practices	Plan within the ISO 14001 EMS	<1%	14/7	<1%	IN/A	19/5	I IVA	<1%	<1%	IN/A	200. 2014

Certifications (s. 19)							
Highest Ranking Em	ployee						
	As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.						
Isobutyl Alcohol							
HRE:	Willitt.	Date:	December 9, 2013				
Toxic Substance Rec	luction Planner						
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.							
Isobutyl Alcohol							
TSRP:	Patry Quever	Date:	November 27, 2013				

Substance & CAS No):	Isopropanol	67-63-0					
Substances at the Fa		See Table 1						
a Plan has been deve	•	<u> </u>						
Facility Identification and Site Address Company Name Ford Motor Company of Canada Limited								
Company Name								
Facility Name		Oakville Assem						
		Physical Address	Mailing Address (if different)					
Facility Address		The Canadian Road	P.O. Box 1300					
		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates		607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee	s	2983						
NPRI ID Number		3419						
Ontario MOE ID Num	ber	6763						
		Parent Company Information						
Parent Company Nan	ne	Ford Motor Company	of Canada Limited					
Parent Company Add	iress	The Canadian Road, O	akville, ON, L6J 5E4					
Percent Ownership		100	%					
Parent Company Cor	ntact	Blake Smith						
Pr	imary North Ame	erican Industrial Classification System	n Code (NAICS)					
		Code	Description					
2-digit NAICS Code		33	Manufacturing					
4-digit NAICS Code		336	Transportation Equipment Manufacturing					
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing					
		Company Contact Information						
	Name	Blake Smith						
	Title	Director, EEVS	The Canadian Road					
Facility public	Email	bsmith29@ford.com	Oakville, ON					
contact	Telephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
		Substance Reduction Planner Informa	tion					
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making	Email	pduever@dillon.ca	Kitchener, ON					
Recommendations Telephone #		519-571-9833 x3106	N2H 5G5					
Fax #		519-571-7424						
Planner License #		Patsy Duever						
		Dillon Consulting Limited	Dillon Consulting Limited					
		TSRP0119	51 Breithaupt Street					
Responsible for	Email	pduever@dillon.ca	Kitchener, ON					
Certification	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
			L I					

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
СО	Trimethylbenzene					
	Acetone					

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for isopropanol, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of isopropanol by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of isopropanol by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why isopropanol is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

	Options to be Implemented										
					Estimated	Reductions (tonn					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
1. Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<1	N/A	<1	N/A	N/A	N/A	<0.005	<0.03	N/A	Dec. 2014
substitution	14001 EMS	<1%	1,111	<1%				<1%	<1%		
	Continue to increase block size as part of OAC's existing		N/A	<2	N/A	N/A	N/A	<0.01	<0.1	N/A	Dec. 2014
process modification	VOC Reduction Plan within the ISO 14001 EMS	<2%		<2%		1,7,7	,, .	<2%	<2%	1311	255. 2014
7. Training or improved operating	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction	<0.1	1 N/A	<1	N/A	NI/A NI/A	N/A N/A	<0.005	<0.03	N/A	Dec. 2014
practices	Plan within the ISO 14001 EMS	<1%	IV/A	<1%	14/7	13/A	IN/A	<1%	<1%	IN/A	Dec. 2014

Certifications (s. 19) Highest Ranking Employee								
As of December 9, 20	As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.							
Isopropanol								
HRE:	Willitt.	Date:	December 9, 2013					
Toxic Substance Rec	duction Planner	I.						
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.								
Isopropanol								
TSRP:	Patry Duever	Date:	November 27, 2013					

Substance & CAS No:		Methyl Isobutyl Ketone	108-10-1					
Substances at the Facility t		See Table 1						
a Plan has been developed	:	OGG TUDIO T						
	Fa	cility Identification and Site Address						
Company Name		Ford Motor Company	of Canada Limited					
Facility Name								
		Physical Address	Mailing Address (if different)					
Facility Address		The Canadian Road	P.O. Box 1300					
racility Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates of Fac	ility	607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employees		2983						
NPRI ID Number		3419						
Ontario MOE ID Number		6763						
		Parent Company Information						
Parent Company Name		Ford Motor Company	of Canada Limited					
Parent Company Address		The Canadian Road, O						
Percent Ownership		1009						
Parent Company Contact		Blake Smith						
	North Ame	erican Industrial Classification System	n Code (NAICS)					
-		Code	Description					
2-digit NAICS Code		33	Manufacturing					
_		336	Transportation Equipment					
4-digit NAICS Code		336	Manufacturing					
6-digit NAICS Code		336110	Automotive and Light Duty Motor					
o-digit NAICS Code		336110	Vehicle Manufacturing					
		Company Contact Information						
	Name	Blake Smith						
Facility public	Title	Director, EEVS	The Canadian Road					
contact	Email	bsmith29@ford.com	Oakville, ON					
Tele	ephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
	Toxic S	Substance Reduction Planner Information	tion					
	Name	Patsy Duever						
	mpany	Dillon Consulting Limited	Dillon Consulting Limited					
	cense #	TSRP0119	51 Breithaupt Street					
Making Email		pduever@dillon.ca	Kitchener, ON					
Recommendations Telephone #		519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
	Name	Patsy Duever						
Planner Responsible for		Dillon Consulting Limited	Dillon Consulting Limited					
		TSRP0119	51 Breithaupt Street					
Certification	Email	pduever@dillon.ca	Kitchener, ON					
Tele	ephone # Fax #	519-571-9833 x3106 519-571-7424	N2H 5G5					
1								

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
CO	Trimethylbenzene					
	Acetone					

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This plan summary accurately reflects the content of the toxic substance reduction plan for methyl isobutyl ketone, prepared by Oakville Assembly Complex, dated November ?, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of methyl isobutyl ketone by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of methyl isobutyl ketone by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why methyl isobutyl ketone is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
					Estimated	Reductions (tonn					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.5	N/A	<0.3	N/A	N/A	N/A	N/A	<0.3	N/A	Dec. 2014
substitution	14001 EMS	<1%	-	<1%					<1%		
		<1	N/A	<0.5	N/A	N/A	N/A	N/A	<0.5	N/A	Dec. 2014
process modification	VOC Reduction Plan within the ISO 14001 EMS	<2%		<2%		1471	,,,		<2%		200. 2014
7. Training or	Continue to implement "lockout" practice on all valves in	<0.5		<0.3					<0.3		
improved operating practices	paint booths as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<1%	N/A	<1%	N/A	N/A	N/A	N/A	<1%	N/A	Dec. 2014

Certifications (s. 19)									
As of December 9, 20	Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.								
Methyl Isobutyl Ketone									
HRE:	willith.	Date:	December 9, 2013						
Toxic Substance Rec	luction Planner								
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.									
Methyl Isobutyl Ketone									
TSRP:	Patry Duever	Date:	November 27, 2013						

Substance & CAS No	:	n-Butyl Alcohol 71-36-3						
Substances at the Fa		See Table 1						
a Plan has been deve								
	Fa	cility Identification and Site Address						
Company Name Ford Motor Company of Canada Limited								
Facility Name			mbly Complex					
		Physical Address	Mailing Address (if different)					
Facility Address		The Canadian Road	P.O. Box 1300					
r donity Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates of		607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee	s	2983						
NPRI ID Number		3419						
Ontario MOE ID Num	ber	6763	1					
		Parent Company Information						
Parent Company Nan	ne	Ford Motor Compan	v of Canada Limited					
Parent Company Add			Oakville, ON, L6J 5E4					
Percent Ownership		100						
Parent Company Con	ntact	Blake Smith						
		erican Industrial Classification Syste	m Code (NAICS)					
	midi y reoran zame	Code	Description					
2-digit NAICS Code		33	Manufacturing					
_			Transportation Equipment					
4-digit NAICS Code		336	Manufacturing					
			· · ·					
6-digit NAICS Code		336110	Automotive and Light Duty Motor					
			Vehicle Manufacturing					
		Company Contact Information						
	Name	Blake Smith	The Connelion Dated					
Facility public	Title	Director, EEVS	The Canadian Road					
contact	Email	bsmith29@ford.com	Oakville, ON					
	Telephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
		ubstance Reduction Planner Inform	ation					
<u></u>	Name	Patsy Duever	4					
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making	Email	pduever@dillon.ca	Kitchener, ON					
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
Name		Patsy Duever						
l l		Dillon Consulting Limited	Dillon Consulting Limited					
Planner	Company							
Planner Responsible for	License #	TSRP0119	51 Breithaupt Street					
Responsible for	License # Email	TSRP0119 pduever@dillon.ca	51 Breithaupt Street Kitchener, ON					
	License #	TSRP0119	51 Breithaupt Street					

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
СО	Trimethylbenzene					
	Acetone					

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for n-butyl alcohol, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of n-butyl alcohol by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of n-butyl alcohol by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why n-butyl alcohol is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

	Options to be Implemented										
					Estimated	Reductions (tonn					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
1. Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<2	N/A	<1.5	N/A	N/A	N/A	<0.03	<0.3	N/A	Dec. 2014
substitution	14001 EMS	<1%	1,111	<1%				<1%	<1%		
		<4	N/A	<3	N/A	N/A	N/A	<0.06	<0.6	N/A	Dec. 2014
process modification	VOC Reduction Plan within the ISO 14001 EMS	<2%	1471	<2%				<2%	<2%		
-	Continue to implement "lockout" practice on all valves in	<2	N/A	<1.5	N/A	N/A N/A	N/A N/A	<0.03	<0.3	N/A	Dec. 2014
practices	mproved operating paint booths as part of OAC's existing VOC Reduction practices Plan within the ISO 14001 EMS	<1%	IV/A	<1%	IV/A	IVA	IV/A	<1%	<1%	IN/A	Dec. 2014

Certifications (s. 19) Highest Ranking Employee								
As of December 9, 20	As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.							
n-Butyl Alcohol								
HRE:	willitt.	Date:	December 9, 2013					
Toxic Substance Rec	duction Planner	I.						
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.								
n-Butyl Alcohol								
TSRP:	Patry Quever	Date:	November 27, 2013					

Substance & CAS No	:	1,2,4-Trimethylbenzene	95-63-6			
Substances at the Fa		See Ta	able 1			
	•	cility Identification and Site Address				
Company Name		Ford Motor Company	of Canada Limited			
Facility Name			embly Complex			
		Physical Address	Mailing Address (if different)			
		The Canadian Road	P.O. Box 1300			
Facility Address		Oakville, ON	Oakville, ON			
		L6J 5E4	L6J 5C9			
Spatial Coordinates of	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD			
Number of Employee		2983	,			
NPRI ID Number		3419	1			
Ontario MOE ID Num	ber	6763	1			
		Parent Company Information				
Parent Company Nan	ne	Ford Motor Company	of Canada Limited			
Parent Company Add		The Canadian Road, C				
Percent Ownership		100				
Parent Company Con	tact	Blake Smith				
		rican Industrial Classification System	n Code (NAICS)			
		Code	Description			
2-digit NAICS Code		33	Manufacturing			
4-digit NAICS Code		336	Transportation Equipment Manufacturing			
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing			
		Company Contact Information				
	Name	Blake Smith				
	Title	Director, EEVS	The Canadian Road			
Facility public	Email	bsmith29@ford.com	Oakville, ON			
contact	Telephone #	905-845-2511 x1209	L6J 5E4			
	Fax #	905-845-5360	200 02 1			
	Toxic S	ubstance Reduction Planner Informa	ition			
	Name	Patsy Duever				
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited			
Responsible for	License #	TSRP0119	51 Breithaupt Street			
Making	Email	pduever@dillon.ca	Kitchener, ON			
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5			
	Fax #	519-571-7424	1			
	Name	Patsy Duever				
Diamen	Company	Dillon Consulting Limited	Dillon Consulting Limited			
Planner Responsible for	License #	TSRP0119	51 Breithaupt Street			
	LIGGING W					
	Email	pduever@dillon.ca	Kitchener, ON			
Certification		pduever@dillon.ca 519-571-9833 x3106	Kitchener, ON N2H 5G5			

Table 1							
Ethylbenzene	PM ₁₀						
Ethylene Glycol	PM _{2.5}						
Ethylene glycol monobutyl ether	Butane						
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate						
Isopropanol	Heavy aromatic solvent naphtha						
Methyl alcohol	Hexane						
Methyl isobutyl ketone	Hydrotreated heavy naphtha						
n-Butyl alcohol	Light aromatic solvent naphtha						
Sulphuric acid	Methyl ethyl ketone						
Toluene	n-Butyl acetate						
1,2,4-Trimethylbenzene	n-Heptane						
Xylene	Pentane						
Zinc (and its compounds)	Solvent naphtha medium aliphatic						
NO _x	Tetrahydrofuran						
СО	Trimethylbenzene						
	Acetone						

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for 1,2,4-trimethylbenzene, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of 1,2,4-trimethylbenzene by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of 1,2,4-trimethylbenzene by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why 1,2,4-trimethylbenzene is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
					Estimated	Reductions (tonn					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
1. Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<2	N/A	<1	N/A	N/A	N/A	<0.01	<1.5	N/A	Dec. 2014
substitution	14001 EMS	<1%		<1%				<1%	<1%		
3. Equipment or process modification Continue to increase block size as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<4	N/A	<2	N/A	N/A	N/A	<0.02	<3	N/A	Dec. 2014	
	<2%	IVA	<2%		147.		<2%	<2%		200.2014	
7. Training or improved operating	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction	<2	N/A	<1	N/A	N/A	N/A	<0.01	<1.5	N/A	Dec. 2014
practices	Plan within the ISO 14001 EMS	<1%	14/74	<1%	IN/A	IN/A	N/A	<1%	<1%	IN/A	Dec. 2014

Certifications (s. 19)										
Highest Ranking Em	nployee									
	013, I, Will Cowell, certify that I have read the toxic substant and Ontario Regulation 455/09 (General) made under that		ubstance referred to b	elow and am fami	liar with its contents	, and to my knowled	dge the plan is fac	tually accurate and	d complies with the	Toxics
1,2,4-Trimethylbenzer	ne									
HRE:	willitt.	Date:	December 9, 20	December 9, 2013						
Toxic Substance Re	duction Planner	-								
	2013, I, Patsy Duever, certify that I am familiar with the production Act, 2009 that are set out in the plan dated Novem							ferred to in subpar	agraphs 7 iii, iv, and	d v of subsection
1,2,4-Trimethylbenzer	ne									
TSRP:	Patay Duever	Date:	November 27, 2	013						

Substance & CAS No):	NOx	11104-93-1				
Substances at the Fa		See Ta	ble 1				
a Plan has been deve	eloped:	555 1.5					
	Fa	cility Identification and Site Address					
Company Name			any of Canada Limited				
Facility Name			sembly Complex				
		Physical Address	Mailing Address (if different)				
Facility Address		The Canadian Road	P.O. Box 1300				
•		Oakville, ON	Oakville, ON				
		L6J 5E4	L6J 5C9				
Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD				
Number of Employee	s	2983					
NPRI ID Number		3419					
Ontario MOE ID Num	ber	6763					
		Parent Company Information					
Parent Company Nar	ne	Ford Motor Company	of Canada Limited				
Parent Company Add		The Canadian Road, O					
Percent Ownership		1000					
Parent Company Cor	ntact	Blake Smith					
		erican Industrial Classification System	n Code (NAICS)				
		Code	Description				
2-digit NAICS Code		33	Manufacturing				
			Transportation Equipment				
4-digit NAICS Code		336	Manufacturing				
			Automotive and Light Duty Motor				
6-digit NAICS Code		336110	Vehicle Manufacturing				
		Company Contact Information	verlicle Manufacturing				
	Name	Blake Smith					
	Title	Director, EEVS	The Canadian Road				
Facility public	Email	bsmith29@ford.com	Oakville, ON				
contact	Telephone #	905-845-2511 x1209	L6J 5E4				
	Fax #	905-845-5360	L6J 5E4				
		substance Reduction Planner Informa	tion				
	Name	Patsy Duever	uon				
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited				
Responsible for	License #	TSRP0119	51 Breithaupt Street				
Making	Email	pduever@dillon.ca	Kitchener, ON				
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5				
1.ccommendadons	Fax #	519-571-9653 X5106 519-571-7424	INZI I JOJ				
	Name	Patsy Duever					
	Company	Dillon Consulting Limited	Dillon Consulting Limited				
Planner	License #	TSRP0119	51 Breithaupt Street				
Responsible for	Email	pduever@dillon.ca	Kitchener. ON				
Certification	Telephone #	519-571-9833 x3106	N2H 5G5				
	Fax #	519-571-7424	14211 505				
	Γαλ #	313-371-7424					

Table 1							
Ethylbenzene	PM ₁₀						
Ethylene Glycol	PM _{2.5}						
Ethylene glycol monobutyl ether	Butane						
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate						
Isopropanol	Heavy aromatic solvent naphtha						
Methyl alcohol	Hexane						
Methyl isobutyl ketone	Hydrotreated heavy naphtha						
n-Butyl alcohol	Light aromatic solvent naphtha						
Sulphuric acid	Methyl ethyl ketone						
Toluene	n-Butyl acetate						
1,2,4-Trimethylbenzene	n-Heptane						
Xylene	Pentane						
Zinc (and its compounds)	Solvent naphtha medium aliphatic						
NO _x	Tetrahydrofuran						
CO	Trimethylbenzene						
	Acetone						

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This plan summary accurately reflects the content of the toxic substance reduction plan for NOx, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the creation of NOx by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the creation of NOx by reducing the use of natural gas in process and heating combustion equipment.

Description of Substance and Use/Creation

For a description of how, when, where, and why NOx is created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
Option Category					Estimated	Reductions (tonne	e/yr and %)				Timeline to
	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
3. Equipment or	Close exhaust vents for "winter mode" to reduce heat	N/A	<0.5	<0.5	N/A	N/A	N/A	N/A	N/A	N/A	May 2015
process modification	loss		<1%	<1%					. ,,		,
4. Spill and leak	through the Combustion Safety Preventative	N/A	<0.5	<0.5	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
prevention		IV/A	<1%	<1%			. 47.1		1471		200.20
7. Training or	Continue to improve weekend "turn down" by identifying further areas that can be turned down or shut-off during	N/A	<1	<1	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
improved operating practices	weekend hours	IN/A	<2%	<2%	IN/A	N/A	N/A	IN/A	IN/A	IN/A	Dec. 2014

Certifications (s. 19)	ifications (s. 19)									
Highest Ranking Em	ployee									
	13, I, Will Cowell, certify that I have read the toxic substance reduction plant and Ontario Regulation 455/09 (General) made under that Act.	for the toxic substa	nce referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics							
NOx										
HRE:	Willitt.	Date:	December 9, 2013							
Toxic Substance Rec	luction Planner									
	us of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.									
NOx	x									
TSRP:	Patry Duever	Date:	November 27, 2013							

Substance & CAS No):	CO	630-08-0					
Substances at the Fa		See Ta	ble 1					
a Plan has been deve	eloped:	See Ta	ble i					
	Fa	cility Identification and Site Address						
Company Name			pany of Canada Limited					
Facility Name		Oakville Assem	embly Complex					
		Physical Address	Mailing Address (if different)					
Encility Address		The Canadian Road	P.O. Box 1300					
Facility Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee	s	2983						
NPRI ID Number		3419						
Ontario MOE ID Num	ber	6763						
		Parent Company Information						
Parent Company Nan	ne	Ford Motor Company	of Canada Limited					
Parent Company Add		The Canadian Road, O						
Percent Ownership		1009	%					
Parent Company Cor	ntact	Blake Smith						
Pr	imary North Ame	rican Industrial Classification Systen	n Code (NAICS)					
		Code	Description					
2-digit NAICS Code		33	Manufacturing					
4-digit NAICS Code		336	Transportation Equipment					
		000	Manufacturing					
6-digit NAICS Code		336110	Automotive and Light Duty Motor					
			Vehicle Manufacturing					
		Company Contact Information						
	Name	Blake Smith						
Facility public	Title	Director, EEVS	The Canadian Road					
contact	Email	bsmith29@ford.com	Oakville, ON					
	Telephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
		ubstance Reduction Planner Informa	tion					
Diamen	Name	Patsy Duever	Dillon Consulting Limit of					
Planner	Company License #	Dillon Consulting Limited TSRP0119	Dillon Consulting Limited 51 Breithaupt Street					
Responsible for Making	Email	pduever@dillon.ca						
Recommendations		519-571-9833 x3106	Kitchener, ON					
Recommendations	Telephone # Fax #	519-571-9833 X3106 519-571-7424	N2H 5G5					
	Pax #							
	Company	Patsy Duever Dillon Consulting Limited	Dillon Consulting Limited					
Planner	License #	TSRP0119						
Responsible for	Email	pduever@dillon.ca	51 Breithaupt Street					
Certification	Telephone #	519-571-9833 x3106	Kitchener, ON N2H 5G5					
	Fax #	519-571-9833 X3106 519-571-7424	NZH 3G3					
	rax#	319-371-7424						

Table 1							
Ethylbenzene	PM ₁₀						
Ethylene Glycol	PM _{2.5}						
Ethylene glycol monobutyl ether	Butane						
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate						
Isopropanol	Heavy aromatic solvent naphtha						
Methyl alcohol	Hexane						
Methyl isobutyl ketone	Hydrotreated heavy naphtha						
n-Butyl alcohol	Light aromatic solvent naphtha						
Sulphuric acid	Methyl ethyl ketone						
Toluene	n-Butyl acetate						
1,2,4-Trimethylbenzene	n-Heptane						
Xylene	Pentane						
Zinc (and its compounds)	Solvent naphtha medium aliphatic						
NO _x	Tetrahydrofuran						
co	Trimethylbenzene						
	Acetone						

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for CO, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the creation of CO by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the creation of CO by reducing the use of natural gas in process and heating combustion equipment.

Description of Substance and Use/Creation

For a description of how, when, where, and why CO is created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
Option Category					Estimated	Reductions (tonne	e/yr and %)				Timeline to
	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
3. Equipment or	Close exhaust vents for "winter mode" to reduce heat	N/A	<0.5	<0.5	N/A	N/A	N/A	N/A	N/A	N/A	May 2015
process modification	loss		<1%	<1%	1,411		.,,,,		. ,,		,
4. Spill and leak	through the Combustion Safety Preventative	N/A	<0.5	<0.5	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
prevention		N/A	<1%	<1%		19/2	1477				DC0. 2014
-	Continue to improve weekend "turn down" by identifying		<1	<1	N1/A	N1/0	N1/A	A1/A	N1/0	N 1/A	D 0044
	further areas that can be turned down or shut-off during weekend hours	N/A	<2%	<2%	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014

Certifications (s. 19)	ertifications (s. 19)							
Highest Ranking Em	ghest Ranking Employee							
	s of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics teduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.							
CO								
HRE:	Willitt.	Date:	December 9, 2013					
Toxic Substance Rec	duction Planner							
	As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.							
CO	50							
TSRP:	Patry Duever	Date:	November 27, 2013					

Substances at the Facility for which a Plan has been developed:	Substance & CAS No	:	PM10 N/A - M09				
Plan	Substances at the Fa	cility for which	See Table 1				
Ford Motor Company of Canada Limited	a Plan has been deve	eloped:	Gee Table 1				
Pacility Name		Fa	cility Identification and Site Address				
Physical Address	Company Name			of Canada Limited			
The Canadian Road Oakville, ON			Oakville Assen	nbly Complex			
Facility Address			Physical Address	Mailing Address (if different)			
Spatial Coordinates of Facility	Engility Address		The Canadian Road	P.O. Box 1300			
Spatial Coordinates of Facility	racility Address		Oakville, ON	Oakville, ON			
Number of Employees 2983 NPRI ID Number 3419 Ontario MOE ID Number 6763			L6J 5E4	L6J 5C9			
NPRI ID Number	Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD			
Parent Company Name		s	2983				
Parent Company Name Ford Motor Company of Canada Limited Parent Company Address The Canadian Road, Oakville, ON, L6J 5E4 Percent Ownership 100% Parent Company Contact Blake Smith Primary North American Industrial Classification System Code (NAICS) 2-digit NAICS Code 33 Manufacturing 4-digit NAICS Code 336 Transportation Equipment Manufacturing 6-digit NAICS Code 336110 Automotive and Light Duty Motor Vehicle Manufacturing Company Contact Information Parent Company Contact Information Name Blake Smith Title Director, EEVS The Canadian Road Oakville, ON L6J 5E4 Fax # 905-845-2511 x1209 L6J 5E4 Fax # 905-845-2510 The Canadian Road Oakville, ON L6J 5E4 Planner Responsible for Making Recommendations Recommendations Telephone # 519-571-9833 x3106 N2H 5G5 Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Street Stree	NPRI ID Number		3419				
Parent Company Name Ford Motor Company of Canada Limited Parent Company Address The Canadian Road, Oakville, ON, L6J 5E4 Percent Ownership 100% Parent Company Contact Blake Smith Primary North American Industrial Classification System Code (NAICS) Primary North American Industrial Classification System Code (NAICS) Code Description 2-digit NAICS Code 33 Manufacturing 4-digit NAICS Code 336 Transportation Equipment Manufacturing 6-digit NAICS Code 336110 Automotive and Light Duty Motor Vehicle Manufacturing Company Contact Information Name Blake Smith Title Director, EEVS The Canadian Road Oakville, ON Cakville, ON Consulting Limited Company Dillon Consulting Limited Dillon Consulting Limited St Breithaupt Street Kitchener, ON Name Patsy Duever Company Dillon Consulting Limited Dillon Consulting Limited St Parithaupt Street Company Dillon Consulting Limited Dillon Consulting Limited Dillon Consulting Limited St Parithaupt Street S	Ontario MOE ID Num	ber	6763				
Parent Company Address The Canadian Road, Oakville, ON, L6J 5E4			Parent Company Information				
Parent Company Address The Canadian Road, Oakville, ON, L6J 5E4	Parent Company Nan	ne		of Canada Limited			
Percent Ownership							
Primary North American Industrial Classification System Code (NAICS) Code							
Code		ntact	Blake Smith				
Code	Pr	imary North Ame	erican Industrial Classification System	n Code (NAICS)			
2-digit NAICS Code 33 Manufacturing 4-digit NAICS Code 336 Transportation Equipment Manufacturing 6-digit NAICS Code 336110 Automotive and Light Duty Motor Vehicle Manufacturing Facility public contact Company Contact Information Facility public contact Title Director, EEVS The Canadian Road Oakville, ON Email bsmith29@ford.com Oakville, ON Telephone # 905-845-2511 x1209 L6J 5E4 Fax # 905-845-5360 L6J 5E4 Planner Name Patsy Duever Dillon Consulting Limited Dillon Consulting Limited Responsible for Making License # TSRP0119 51 Breithaupt Street Recommendations Femail pduever@dillon.ca Kitchener, ON Recommendations Telephone # 519-571-9833 x3106 N2H 5G5 Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Dillon Consulting Limited License # TSRP0140 Email Farithaupt Street Fax # 519-571-9830							
4-digit NAICS Code 336 Transportation Equipment Manufacturing Company Contact Information Name Blake Smith The Canadian Road Oakville, ON Canadian Road Oakville, ON L6J 5E4 Facility public contact Title Director, EEVS The Canadian Road Oakville, ON L6J 5E4 Fax # 905-845-2511 x1209 L6J 5E4 Fax # 905-845-2511 x1209 L6J 5E4 Planner Responsible for Making Pass Puever Company Dillon Consulting Limited Dillon Consulting Limited Planner Brax # 519-571-9833 x3106 N2H 5G5 Fax # 519-571-7424 Name Patsy Duever Dillon Consulting Limited Planner Brax # 519-571-7424 Dillon Consulting Limited Dillon Consulting Limited Planner Brax # 519-571-7424 Name Patsy Duever Dillon Consulting Limited Planner Brax # 519-571-7424 Dillon Consulting Limited Dillon Consulting Limited Dillon Consulting Limited Dillon Consulting Limited	2-digit NAICS Code		33	Manufacturing			
Manufacturing	4 dimit NAICC Code		220				
Company Contact Information	4-digit NAICS Code		330	Manufacturing			
Company Contact Information				Automotive and Light Duty Motor			
Company Contact Information	6-digit NAICS Code		336110				
Name							
Email		Name					
Email		Title	Director, EEVS	The Canadian Road			
Telephone # 905-845-2511 x1209 L6J 5E4		Email					
Fax # 905-845-5360	contact						
Planner Company Dillon Consulting Limited Responsible for Making Email pduever@dillon.ca Recommendations Telephone # 519-571-9833 x3106 Fax # 519-571-7424 Name Patsy Duever Planner Company Dillon Consulting Limited Dillon Consulting Limited 51 Breithaupt Street Kitchener, ON N2H 5G5 N2H 5G5 Dillon Consulting Limited Dillon Consulting Limited 51 Breithaupt Street Kitchener, ON N2H 5G5 Dillon Consulting Limited Dillon Consulting Limited Fax # 519-571-7424 Dillon Consulting Limited Dillon Consulting Limited Fax # Dillon Consulting Limited			905-845-5360				
Planner Company Dillon Consulting Limited Responsible for Making Email pduever@dillon.ca Recommendations Telephone # 519-571-9833 x3106 Fax # 519-571-7424 Name Patsy Duever Planner Company Dillon Consulting Limited Dillon Consulting Limited 51 Breithaupt Street Kitchener, ON N2H 5G5 N2H 5G5 Dillon Consulting Limited Dillon Consulting Limited 51 Breithaupt Street Kitchener, ON N2H 5G5 Dillon Consulting Limited Dillon Consulting Limited Fax # 519-571-7424 Dillon Consulting Limited Dillon Consulting Limited Fax # Dillon Consulting Limited		Toxic S	ubstance Reduction Planner Informa	tion			
Company Comp							
Making Recommendations Email Deducer@dillon.ca Kitchener, ON N2H 5G5 Fax # 519-571-9833 x3106 N2H 5G5 Fax # 519-571-7424 Name Patsy Duever Planner Company Dillon Consulting Limited Dillon Consulting Limited Licence # Licence	Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited			
Telephone #	Responsible for			51 Breithaupt Street			
Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Planner Dillon Consulting Limited Figure # TSP0410	Making	Email	pduever@dillon.ca	Kitchener, ON			
Name Patsy Duever Company Dillon Consulting Limited Planner Dillon Consulting Limited Figure # TSP840			519-571-9833 x3106	N2H 5G5			
Planner Dillon Consulting Limited Dillon Consulting Limited Dillon Consulting Limited			519-571-7424	1			
Planner Dillon Consulting Limited Dillon Consulting Limited Dillon Consulting Limited		Name	Patsy Duever				
	Diamer	Company		Dillon Consulting Limited			
Responsible for License # ISRP0119 51 Breitnaupt Street		License #	TSRP0119	51 Breithaupt Street			
Certification Email pduever@dillon.ca Kitchener, ON		Email	pduever@dillon.ca				
Telephone # 519-571-9833 x3106 N2H 5G5	Certification	Telephone #	519-571-9833 x3106	N2H 5G5			
Fax # 519-571-7424		Fax #	519-571-7424	1			

	Table 1					
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
CO	Trimethylbenzene					
	Acetone					

Plan Summar	v Statement
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This plan summary accurately reflects the content of the toxic substance reduction plan for PM10, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of PM10 by implementing the selected reduction option.

Objective

Oakville Assembly Complex will reduce the use of PM10 by reducing our use of spray coatings in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why PM10 is created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
				Estimated	Reductions (tonn	e/yr and %)				Timeline to	
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
	Continue to increase block size as part of OAC's existing	N/A	<2.6	<0.2	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
process modification VOC Reduction Plan within the	VOC Reduction Plan within the ISO 14001 EMS	14/7	<2%	<2%	14/7	14/75	14/7	14/7	14/74	IN/A	200. 2014

Certifications (s. 19)							
Highest Ranking Em	ployee						
	13, I, Will Cowell, certify that I have read the toxic substance reduction plant and Ontario Regulation 455/09 (General) made under that Act.	for the toxic substa	ance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics				
PM10							
HRE:	Willith.	Date:	December 9, 2013				
Toxic Substance Rec	luction Planner						
	As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.						
PM10	PM10						
TSRP:	Patry Duever	Date:	November 27, 2013				

Substance & CAS No):	PM25 N/A - M10			
Substances at the Fa a Plan has been deve	eloped:	See Table 1			
	Fa	cility Identification and Site Address			
Company Name		Ford Motor Company	of Canada Limited		
Facility Name		Oakville Assem	nbly Complex		
		Physical Address	Mailing Address (if different)		
Facility Address		The Canadian Road	P.O. Box 1300		
acility Address		Oakville, ON	Oakville, ON		
		L6J 5E4	L6J 5C9		
Spatial Coordinates		607440 m E, 4815259 m N	Expressed as UTM within NAD		
Number of Employee	s	2983			
NPRI ID Number		3419			
Ontario MOE ID Num	ber	6763			
		Parent Company Information			
Parent Company Nar	ne	Ford Motor Company	of Canada Limited		
Parent Company Add	iress	The Canadian Road, O	akville, ON, L6J 5E4		
Percent Ownership		100	%		
Parent Company Cor		Blake Smith			
Pr	imary North Ame	erican Industrial Classification System	n Code (NAICS)		
		Code	Description		
2-digit NAICS Code		33	Manufacturing		
4-digit NAICS Code		336	Transportation Equipment Manufacturing		
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing		
		Company Contact Information	<u> </u>		
	Name	Blake Smith			
F	Title	Director, EEVS	The Canadian Road		
Facility public contact	Email	bsmith29@ford.com	Oakville, ON		
contact	Telephone #	905-845-2511 x1209	L6J 5E4		
Fax #		905-845-5360			
	Toxic S	ubstance Reduction Planner Informa	tion		
	Name	Patsy Duever			
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited		
Responsible for	License #	TSRP0119	51 Breithaupt Street		
Making	Email	pduever@dillon.ca	Kitchener, ON		
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5		
	Fax #	519-571-7424			
	Name	Patsy Duever			
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited		
Responsible for	License #	TSRP0119	51 Breithaupt Street		
Certification	Email	pduever@dillon.ca	Kitchener, ON		
Gertinication	Telephone #	519-571-9833 x3106	N2H 5G5		
	Fax #	519-571-7424			

	Table 1					
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
CO	Trimethylbenzene					
	Acetone					

Plan Summar	v Statement
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This plan summary accurately reflects the content of the toxic substance reduction plan for PM25, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of PM25 by implementing the selected reduction option.

Objective

Oakville Assembly Complex will reduce the use of PM25 by reducing our use of spray coatings in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why PM25 is created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
				Estimated	Reductions (tonn	e/yr and %)				Timeline to	
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
	Continue to increase block size as part of OAC's existing	N/A	<0.6	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
process modification VOC Reduction Plan within the ISO 14001 EN	VOC Reduction Plan within the ISO 14001 EMS		<2%	<2%	,,,	,,,		. 471	. 477		200.2014

Certifications (s. 19)							
Highest Ranking Em	ployee						
	13, I, Will Cowell, certify that I have read the toxic substance reduction plan nd Ontario Regulation 455/09 (General) made under that Act.	for the toxic substa	ance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics				
PM25							
HRE:	willitt.	Date:	December 9, 2013				
Toxic Substance Rec	luction Planner						
	As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.						
PM25	PM25						
TSRP:	Patay Duever	Date:	November 27, 2013				

Substance & CAS No):	Butane N/A -24			
Substances at the Fa a Plan has been deve		See Table 1			
	Fa	cility Identification and Site Address			
Company Name		Ford Motor Company	of Canada Limited		
Facility Name		Oakville Assem			
		Physical Address	Mailing Address (if different)		
Facility Address		The Canadian Road	P.O. Box 1300		
acility Address		Oakville, ON	Oakville, ON		
		L6J 5E4	L6J 5C9		
Spatial Coordinates		607440 m E, 4815259 m N	Expressed as UTM within NAD		
Number of Employee	s	2983			
NPRI ID Number		3419			
Ontario MOE ID Num	ber	6763			
		Parent Company Information			
Parent Company Nar	ne	Ford Motor Company	of Canada Limited		
Parent Company Add	iress	The Canadian Road, O	akville, ON, L6J 5E4		
Percent Ownership		100	%		
Parent Company Cor		Blake Smith			
Pr	imary North Ame	erican Industrial Classification System	n Code (NAICS)		
		Code	Description		
2-digit NAICS Code		33	Manufacturing		
4-digit NAICS Code		336	Transportation Equipment Manufacturing		
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing		
		Company Contact Information	<u> </u>		
	Name	Blake Smith			
F	Title	Director, EEVS	The Canadian Road		
Facility public contact	Email	bsmith29@ford.com	Oakville, ON		
contact	Telephone #	905-845-2511 x1209	L6J 5E4		
Fax #		905-845-5360			
	Toxic S	ubstance Reduction Planner Informa	tion		
	Name	Patsy Duever			
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited		
Responsible for License #		TSRP0119	51 Breithaupt Street		
Making	Email	pduever@dillon.ca	Kitchener, ON		
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5		
	Fax #	519-571-7424			
	Name	Patsy Duever			
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited		
Responsible for	License #	TSRP0119	51 Breithaupt Street		
Certification	Email	pduever@dillon.ca	Kitchener, ON		
Gertinication	Telephone #	519-571-9833 x3106	N2H 5G5		
	Fax #	519-571-7424			

Table 1								
Ethylbenzene	PM ₁₀							
Ethylene Glycol	PM _{2.5}							
Ethylene glycol monobutyl ether	Butane							
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate							
Isopropanol	Heavy aromatic solvent naphtha							
Methyl alcohol	Hexane							
Methyl isobutyl ketone	Hydrotreated heavy naphtha							
n-Butyl alcohol	Light aromatic solvent naphtha							
Sulphuric acid	Methyl ethyl ketone							
Toluene	n-Butyl acetate							
1,2,4-Trimethylbenzene	n-Heptane							
Xylene	Pentane							
Zinc (and its compounds)	Solvent naphtha medium aliphatic							
NO _x	Tetrahydrofuran							
СО	Trimethylbenzene							
	Acetone							

Plan Summar	y Statement
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This plan summary accurately reflects the content of the toxic substance reduction plan for butane, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the creation of butane by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the creation of butane by reducing the use of natural gas in process and heating combustion equipment.

Description of Substance and Use/Creation

For a description of how, when, where, and why butane is created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented Estimated Reductions (tonne/yr and %) Timeline to													
			Estimated Reductions (tonne/yr and %)										
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions		
3. Equipment or	B. Equipment or Close exhaust vents for "winter mode" to reduce heat crocess modification loss	N/A	<0.01	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	May 2015		
process modification			<1%	<1%			•		, , ,	·	,		
4. Spill and leak	Continue to identify and fix leaks as they are identified through the Combustion Safety Preventative Maintenance Program	N/A	<0.01	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014		
prevention		. 47.1	<1%	<1%				14/71	1471		200.2011		
	Continue to improve weekend "turn down" by identifying further areas that can be turned down or shut-off during weekend hours	NI/A	<0.02	<0.02	NI/A	N/A	NI/A	NI/A	N/A		Dec. 2014		
		N/A	<2%	<2%	N/A	N/A	N/A	N/A		N/A	Dec. 2014		

Certifications (s. 19)									
Highest Ranking Em	ployee								
	13, I, Will Cowell, certify that I have read the toxic substance reduction plan and Ontario Regulation 455/09 (General) made under that Act.	for the toxic substa	ance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics						
Butane									
HRE:	Willitt.	Date:	December 9, 2013						
Toxic Substance Rec	duction Planner	•							
	As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.								
Butane									
TSRP:	Patry Duever	Date:	November 27, 2013						

Substance & CAS No	:	Ethylene Glycol Monobutyl Ether Aceta 112-07-2						
Substances at the Fa	cility for which	See Table 1						
a Plan has been deve	eloped:	See Table 1						
	Fa	cility Identification and Site Address						
Company Name		Ford Motor Company	of Canada Limited					
Facility Name Oakville Assembly Complex								
		Physical Address	Mailing Address (if different)					
F		The Canadian Road	P.O. Box 1300					
Facility Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee		2983	•					
NPRI ID Number		3419						
Ontario MOE ID Num	ber	6763						
		Parent Company Information						
Parent Company Nan	ne	Ford Motor Company	of Canada Limited					
Parent Company Add		The Canadian Road, Oa						
Percent Ownership		1009						
Parent Company Cor	ntact	Blake Smith	•					
		rican Industrial Classification System	Code (NAICS)					
		Code	Description					
2-digit NAICS Code		33	Manufacturing					
		200	Transportation Equipment					
4-digit NAICS Code		336	Manufacturing					
			Automotive and Light Duty Motor					
6-digit NAICS Code		336110	Vehicle Manufacturing					
		Company Contact Information	vernere manaractaring					
	Name	Blake Smith						
	Title	Director, EEVS	The Canadian Road					
Facility public	Email	bsmith29@ford.com	Oakville, ON					
contact	Telephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
	Toxic S	ubstance Reduction Planner Informat	tion					
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making	Email	pduever@dillon.ca	Kitchener, ON					
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Certification	Email	pduever@dillon.ca	Kitchener, ON					
Johnnoution	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						

Table 1								
Ethylbenzene	PM ₁₀							
Ethylene Glycol	PM _{2.5}							
Ethylene glycol monobutyl ether	Butane							
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate							
Isopropanol	Heavy aromatic solvent naphtha							
Methyl alcohol	Hexane							
Methyl isobutyl ketone	Hydrotreated heavy naphtha							
n-Butyl alcohol	Light aromatic solvent naphtha							
Sulphuric acid	Methyl ethyl ketone							
Toluene	n-Butyl acetate							
1,2,4-Trimethylbenzene	n-Heptane							
Xylene	Pentane							
Zinc (and its compounds)	Solvent naphtha medium aliphatic							
NO _x	Tetrahydrofuran							
СО	Trimethylbenzene							
	Acetone							

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for ethylene glycol monobutyl ether acetate, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of ethylene glycol monobutyl ether acetate by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of ethylene glycol monobutyl ether acetate by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why ethylene glycol monobutyl ether acetate is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

	Options to be Implemented												
						Reductions (tonne					Timeline to		
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions		
Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.2	N/A	<0.04	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014		
substitution	14001 EMS	<1%		<1%									
	Continue to increase block size as part of OAC's existing	<0.4	N/A	<0.1	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014		
	VOC Reduction Plan within the ISO 14001 EMS	<2%		<2%		·							
7. Training or	Continue to implement "lockout" practice on all valves in	<0.2	N/A	<0.04	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014		
improved operating practices	paint booths as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<1%	IV/A	<1%	IV/A	IV/A	IN/A	IN/A	IV/A	IN/A	Dec. 2014		

Certifications (s. 19)												
Highest Ranking Emp	ighest Ranking Employee											
	As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.											
Ethylene Glycol Monoi	butyl Ether Acetate											
HRE:	willitt.	Date:	December 9, 2013									
Toxic Substance Red	luction Planner											
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.												
Ethylene Glycol Monoi	Ethylene Glycol Monobutyl Ether Acetate											
TSRP:	Patry Duever	Date:	November 27, 2013									

Substance & CAS No):	Heavy Aromatic Solvent Naphtha	64742-94-5					
Substances at the Fa	cility for which	See Table 1						
a Plan has been deve	eloped:	Occ Table 1						
	Fa	cility Identification and Site Address						
Company Name		Ford Motor Company	of Canada Limited					
Facility Name Oakville Assembly Complex								
•		Physical Address	Mailing Address (if different)					
Casility Address		The Canadian Road	P.O. Box 1300					
Facility Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee	s	2983						
NPRI ID Number		3419						
Ontario MOE ID Num	ber	6763						
		Parent Company Information						
Parent Company Nar	ne	Ford Motor Company	of Canada Limited					
Parent Company Add		The Canadian Road, O						
Percent Ownership		1009						
Parent Company Cor	ntact	Blake Smith						
		erican Industrial Classification System	n Code (NAICS)					
		Code	Description					
2-digit NAICS Code		33	Manufacturing					
4-digit NAICS Code		336	Transportation Equipment					
4-digit NAICS Code		336	Manufacturing					
C dimit NAICC Code		000440	Automotive and Light Duty Motor					
6-digit NAICS Code		336110	Vehicle Manufacturing					
		Company Contact Information	3					
	Name	Blake Smith						
F	Title	Director, EEVS	The Canadian Road					
Facility public	Email	bsmith29@ford.com	Oakville, ON					
contact	Telephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
	Toxic S	Substance Reduction Planner Informa	tion					
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making	Email	pduever@dillon.ca	Kitchener, ON					
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Certification	Email	pduever@dillon.ca	Kitchener, ON					
Sertification	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
·	·	· · · · · · · · · · · · · · · · · · ·	·					

Table 1								
Ethylbenzene	PM ₁₀							
Ethylene Glycol	PM _{2.5}							
Ethylene glycol monobutyl ether	Butane							
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate							
Isopropanol	Heavy aromatic solvent naphtha							
Methyl alcohol	Hexane							
Methyl isobutyl ketone	Hydrotreated heavy naphtha							
n-Butyl alcohol	Light aromatic solvent naphtha							
Sulphuric acid	Methyl ethyl ketone							
Toluene	n-Butyl acetate							
1,2,4-Trimethylbenzene	n-Heptane							
Xylene	Pentane							
Zinc (and its compounds)	Solvent naphtha medium aliphatic							
NO _x	Tetrahydrofuran							
CO	Trimethylbenzene							
	Acetone							

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for heavy aromatic solvent naphtha, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of heavy aromatic solvent naphtha by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of heavy aromatic solvent naphtha by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why heavy aromatic solvent naphtha is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

	Options to be Implemented												
						Reductions (tonne					Timeline to		
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions		
Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.3	N/A	<0.04	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014		
substitution	14001 EMS	<1%	-	<1%					·	•			
	Continue to increase block size as part of OAC's existing	<1	N/A	<0.08	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014		
process modification VOC Reduction F	VOC Reduction Plan within the ISO 14001 EMS	<2%		<2%					·	•			
7. Training or	Continue to implement "lockout" practice on all valves in	<0.3	N/A	<0.04	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014		
improved operating practices	paint booths as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<1%	IN/A	<1%	IN/A	IN/A	IN/A	IN/A	IN/A	IV/A	Dec. 2014		

Certifications (s. 19)												
Highest Ranking Em	lighest Ranking Employee											
As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.												
Heavy Aromatic Solve	nt Naphtha											
HRE:	willitt.	Date:		December 9, 2013								
Toxic Substance Rec	luction Planner	•	•									
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.												
Heavy Aromatic Solve	Heavy Aromatic Solvent Naphtha											
TSRP:	Patry Quever	Date:		November 27, 20	13							

Substance & CAS No):	Hexane	110-54-3							
Substances at the Fa a Plan has been deve	eloped:	See Table 1								
	Fa	cility Identification and Site Address								
Company Name		Ford Motor Company								
Facility Name		Oakville Assem								
		Physical Address	Mailing Address (if different)							
Facility Address		The Canadian Road	P.O. Box 1300							
aomity Address		Oakville, ON	Oakville, ON							
		L6J 5E4	L6J 5C9							
Spatial Coordinates		607440 m E, 4815259 m N	Expressed as UTM within NAD							
Number of Employee	s	2983								
NPRI ID Number		3419								
Ontario MOE ID Num	ber	6763								
		Parent Company Information								
Parent Company Nar	ne	Ford Motor Company	of Canada Limited							
Parent Company Add	iress	The Canadian Road, O	akville, ON, L6J 5E4							
Percent Ownership		1009	%							
Parent Company Contact Blake Smith										
Primary North American Industrial Classification System Code (NAICS)										
		Code	Description							
2-digit NAICS Code		33	Manufacturing							
4-digit NAICS Code		336	Transportation Equipment							
4 digit HAIOO OOUC		000	Manufacturing							
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing							
		Company Contact Information	<u> </u>							
	Name	Blake Smith								
F	Title	Director, EEVS	The Canadian Road							
Facility public contact	Email	bsmith29@ford.com	Oakville, ON							
contact	Telephone #	905-845-2511 x1209	L6J 5E4							
	Fax #	905-845-5360								
	Toxic S	ubstance Reduction Planner Informa	tion							
	Name	Patsy Duever								
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited							
Responsible for	License #	TSRP0119	51 Breithaupt Street							
Making Email Recommendations Telephone #		pduever@dillon.ca	Kitchener, ON							
		519-571-9833 x3106	N2H 5G5							
	Fax #	519-571-7424								
	Name	Patsy Duever								
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited							
Responsible for	License #	TSRP0119	51 Breithaupt Street							
Certification	Email	pduever@dillon.ca	Kitchener, ON							
Continuation	Telephone #	519-571-9833 x3106	N2H 5G5							
	Fax #	519-571-7424								

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
СО	Trimethylbenzene					
	Acetone					

This plan summary accurately reflects the content of the toxic substance reduction plan for hexane, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the creation of hexane by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the creation of hexane by reducing the use of natural gas in process and heating combustion equipment.

Description of Substance and Use/Creation

For a description of how, when, where, and why hexane is created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented Estimated Reductions (tonne/yr and %) Timeline											
			Estimated Reductions (tonne/yr and %)								
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
3. Equipment or	Close exhaust vents for "winter mode" to reduce heat	N/A	<0.01	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	May 2015
process modification	loss		<1%	<1%	1471	1471		,	. ,,		,
4. Spill and leak	4. Spill and leak Continue to identify and fix leaks as they are identified through the Combustion Safety Preventative	N/A	<0.01	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
	Maintenance Program		<1%	<1%							200.2011
-	Continue to improve weekend "turn down" by identifying further areas that can be turned down or shut-off during N/A weekend hours	NI/A	<0.02	<0.02	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
improved operating practices		IN/A	<2%	<2%	N/A	IN/A	IN/A	IN/A	N/A	IN/A	Dec. 2014

Certifications (s. 19)									
Highest Ranking Em	ployee								
	13, I, Will Cowell, certify that I have read the toxic substance reduction plan ind Ontario Regulation 455/09 (General) made under that Act.	for the toxic substa	ance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics						
Hexane									
HRE:	Date: December 9, 2013								
Toxic Substance Rec	duction Planner	•							
	As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.								
Hexane	kane								
TSRP:	Patry Duever	Date:	November 27, 2013						

Substance & CAS No):	Hydrotreated Heavy Naphtha	64742-48-9							
Substances at the Fa		See Table 1								
	Fa	cility Identification and Site Address								
Company Name		Ford Motor Company	of Canada Limited							
Facility Name		Oakville Assembly Complex								
•		Physical Address	Mailing Address (if different)							
		The Canadian Road	P.O. Box 1300							
Facility Address		Oakville, ON	Oakville, ON							
		L6J 5E4	L6J 5C9							
Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD							
Number of Employee		2983	,							
NPRI ID Number		3419								
Ontario MOE ID Num	ber	6763								
		Parent Company Information								
Parent Company Nar	mo.	Ford Motor Company	of Canada Limited							
Parent Company Add		The Canadian Road, O								
Percent Ownership	41000	100								
Parent Company Cor	ntact	Blake Smith	,,,							
Primary North American Industrial Classification System Code (NAICS)										
	indry North Zane	Code	Description							
2-digit NAICS Code		33	Manufacturing							
•			Transportation Equipment							
4-digit NAICS Code		336	Manufacturing							
6-digit NAICS Code		336110	Automotive and Light Duty Moto							
			Vehicle Manufacturing							
	N	Company Contact Information								
	Name	Blake Smith	T. O. II. D. I							
Facility public	Title	Director, EEVS	The Canadian Road							
contact	Email	bsmith29@ford.com	Oakville, ON							
	Telephone #	905-845-2511 x1209	L6J 5E4							
	Fax #	905-845-5360								
		ubstance Reduction Planner Informa	tion							
DI	Name	Patsy Duever	Diller Organistica Limitad							
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited							
Responsible for	License #	TSRP0119	51 Breithaupt Street							
Making Recommendations	Email	pduever@dillon.ca	Kitchener, ON							
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5							
	Fax #	519-571-7424								
	Name	Patsy Duever	Diller Consolition Limited							
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited							
Responsible for	License #	TSRP0119	51 Breithaupt Street							
Certification	Email	pduever@dillon.ca	Kitchener, ON							
	Telephone #	519-571-9833 x3106	N2H 5G5							
	Fax #	519-571-7424								

	Table 1						
Ethylbenzene	PM ₁₀						
Ethylene Glycol	PM _{2.5}						
Ethylene glycol monobutyl ether	Butane						
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate						
Isopropanol	Heavy aromatic solvent naphtha						
Methyl alcohol	Hexane						
Methyl isobutyl ketone	Hydrotreated heavy naphtha						
n-Butyl alcohol	Light aromatic solvent naphtha						
Sulphuric acid	Methyl ethyl ketone						
Toluene	n-Butyl acetate						
1,2,4-Trimethylbenzene	n-Heptane						
Xylene	Pentane						
Zinc (and its compounds)	Solvent naphtha medium aliphatic						
NO _x	Tetrahydrofuran						
со	Trimethylbenzene						
	Acetone						

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for hydrotreated heavy naphtha, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of hydrotreated heavy naphtha by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of hydrotreated heavy naphtha by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why hydrotreated heavy naphtha is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented Estimated Reductions (tonne/vr and %)											
0	Outlan Description		1	1		Reductions (tonne		011 011-		0	Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.3	N/A	<0.1	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
substitution	14001 EMS	<1%	1070	<1%							
	3. Equipment or process modification Continue to increase block size as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS <0.5	<0.5	N/A	<0.3	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
process modification		<2%		<2%				. ,, .	1		
7. Training or	Continue to implement "lockout" practice on all valves in	<0.3		<0.1		21/0	***		21/2		
improved operating practices	paint booths as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<1%	N/A	<1%	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014

Certifications (s. 19)								
Highest Ranking Em								
	 I, Will Cowell, certify that I have read the toxic substance reduction plan and Ontario Regulation 455/09 (General) made under that Act. 	for the toxic substa	ance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics					
Hydrotreated Heavy N	laphtha							
HRE:	Willitt.	Date:	December 9, 2013					
Toxic Substance Rec	luction Planner	L						
	As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.							
Hydrotreated Heavy N	Hydrotreated Heavy Naphtha							
TSRP:	Patry Duever	Date:	November 27, 2013					

Substance & CAS No):	Light Aromatic Solvent Naphtha	64742-95-6						
Substances at the Fa		See Table 1							
a i iaii ilas beeli deve	•	Cility Identification and Site Address							
Company Name	Га	Ford Motor Company	of Canada Limited						
Facility Name		Oakville Assen							
r acinty Hame		Physical Address	Mailing Address (if different)						
		The Canadian Road	P.O. Box 1300						
Facility Address		Oakville, ON	Oakville, ON						
		L6J 5E4	L6J 5C9						
Spatial Coordinates of	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD						
Number of Employee		2983	Expressed as OTIVI WILIIIT NAD						
NPRI ID Number		3419	1						
Ontario MOE ID Num	hor	6763	1						
Ontario MOL ID Num	Dei	Parent Company Information							
DN			of Oracle History						
Parent Company Nan		Ford Motor Company							
Parent Company Add Percent Ownership	iress	The Canadian Road, C							
		100 Blake Smith	% I						
Parent Company Contact Blake Smith Primary North American Industrial Classification System Code (NAICS)									
Pr	imary North Ame								
O district NATOO Os de		Code	Description						
2-digit NAICS Code		33	Manufacturing						
4-digit NAICS Code		336	Transportation Equipment Manufacturing						
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing						
		Company Contact Information							
	Name	Blake Smith							
Facility public	Title	Director, EEVS	The Canadian Road						
contact	Email	bsmith29@ford.com	Oakville, ON						
Contact	Telephone #	905-845-2511 x1209	L6J 5E4						
	Fax #	905-845-5360							
	Toxic S	Substance Reduction Planner Informa	ition						
	Name	Patsy Duever							
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited						
Responsible for	License #	TSRP0119	51 Breithaupt Street						
Making	Email	pduever@dillon.ca	Kitchener, ON						
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5						
Fax #		519-571-7424							
	Name	Patsy Duever							
Company		Dillon Consulting Limited	Dillon Consulting Limited						
Planner									
Planner Responsible for	Company License #	TSRP0119	51 Breithaupt Street						
Responsible for	License # Email	TSRP0119 pduever@dillon.ca	51 Breithaupt Street Kitchener, ON						
	License #	TSRP0119							

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
CO	Trimethylbenzene					
	Acetone					

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for light aromatic solvent naphta, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of light aromatic solvent naphtha by implementing selected reduction options.

Obiective

Oakville Assembly Complex will reduce the use of light aromatic solvent naphtha by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why light aromatic solvent naphtha is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
						Reductions (tonne					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
1. Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<3	N/A	<0.2	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
substitution	14001 EMS	<1%		<1%							
Continue to increase block size as part of OAC's existing	<6	N/A	<0.3	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014	
process modification	rocess modification VOC Reduction Plan within the ISO 14001 EMS	<2%		<2%				. ,, .	1		
7. Training or improved operating	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction	<3	N/A	<0.2	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
practices	Plan within the ISO 14001 EMS	<1%	IV/A	<1%	19/7	14/7	13/7	19/7	14//\	13/73	Dec. 2014

Certifications (s. 19) Highest Ranking Employee							
As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.							
Light Aromatic Solven	Light Aromatic Solvent Naphtha						
HRE:	willitt.	Date:	December 9, 2013				
Toxic Substance Rec	Toxic Substance Reduction Planner						
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.							
Light Aromatic Solvent Naphtha							
TSRP:	Patry Duever	Date:	November 27, 2013				

Substance & CAS No):	Methyl Ethyl Ketone	78-93-3					
Substances at the Fa		See Table 1						
a Plan has been developed:								
Facility Identification and Site Address								
Company Name		Ford Motor Company of Canada Limited Oakville Assembly Complex						
Facility Name								
		Physical Address The Canadian Road	Mailing Address (if different)					
Facility Address			P.O. Box 1300					
		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates		607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee	S	2983						
NPRI ID Number		3419						
Ontario MOE ID Num	ber	6763						
		Parent Company Information						
Parent Company Nan	ne	Ford Motor Company	of Canada Limited					
Parent Company Add		The Canadian Road, O	akville, ON, L6J 5E4					
Percent Ownership		1009	%					
Parent Company Cor	ntact	Blake Smith						
Primary North American Industrial Classification System Code (NAICS)								
		Code	Description					
2-digit NAICS Code		33	Manufacturing					
4-digit NAICS Code		336	Transportation Equipment Manufacturing					
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing					
		Company Contact Information	· ·					
	Name	Blake Smith						
	Title	Director, EEVS	The Canadian Road					
Facility public	Email	bsmith29@ford.com	Oakville, ON					
contact	Telephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
	Toxic S	Substance Reduction Planner Information	tion					
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making Email		pduever@dillon.ca	Kitchener, ON					
Recommendations Telephone #		519-571-9833 x3106	N2H 5G5					
		519-571-7424						
	Name	Patsy Duever						
	Company	Dillon Consulting Limited	Dillon Consulting Limited 51 Breithaupt Street					
Planner	License #	TSRP0119						
Responsible for	Email	pduever@dillon.ca	Kitchener, ON					
Certification	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
	. w.x 11	010 01 1-1 424						

Table 1					
Ethylbenzene	PM ₁₀				
Ethylene Glycol	PM _{2.5}				
Ethylene glycol monobutyl ether	Butane				
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate				
Isopropanol	Heavy aromatic solvent naphtha				
Methyl alcohol	Hexane				
Methyl isobutyl ketone	Hydrotreated heavy naphtha				
n-Butyl alcohol	Light aromatic solvent naphtha				
Sulphuric acid	Methyl ethyl ketone				
Toluene	n-Butyl acetate				
1,2,4-Trimethylbenzene	n-Heptane				
Xylene	Pentane				
Zinc (and its compounds)	Solvent naphtha medium aliphatic				
NO _x	Tetrahydrofuran				
co	Trimethylbenzene				
	Acetone				

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This plan summary accurately reflects the content of the toxic substance reduction plan for methyl ethyl ketone, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of methyl ethyl ketone by implementing selected reduction options.

Obiective

Oakville Assembly Complex will reduce the use of methyl ethyl ketone by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why methyl ethyl ketone is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
Option Category	Option Description	Estimated Reductions (tonne/yr and %)							Timeline to		
		Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
1. Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.05	<0.05 N/A	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
substitution	14001 EMS	<1%		<1%							
Equipment or process modification	Continue to increase block size as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<0.1	N/A	<0.1	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
		<2%		<2%							
7. Training or improved operating	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction	<0.05	N/A	<0.05	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
practices	Plan within the ISO 14001 EMS	<1%		<1%							

Certifications (s. 19)							
Highest Ranking Employee							
As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.							
Methyl Ethyl Ketone	Methyl Ethyl Ketone						
HRE:	willitt.	Date:	December 9, 2013				
Toxic Substance Rec	Toxic Substance Reduction Planner						
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.							
Methyl Ethyl Ketone							
TSRP:	Patry Duever	Date:	November 27, 2013				

Substance & CAS No:		n-Butyl Acetate 123-86-4					
Substances at the Facilia Plan has been develop		See Table 1					
	Fac	cility Identification and Site Address					
Company Name Ford Motor Company of Canada Limited							
Facility Name							
		Physical Address	Mailing Address (if different)				
Coellin Address		The Canadian Road	P.O. Box 1300				
Facility Address		Oakville, ON	Oakville, ON				
		L6J 5E4	L6J 5C9				
Spatial Coordinates of F	acility	607440 m E, 4815259 m N	Expressed as UTM within NAD				
Number of Employees		2983					
NPRI ID Number		3419					
Ontario MOE ID Number	7	6763					
		Parent Company Information					
Parent Company Name		Ford Motor Company	of Canada Limited				
Parent Company Addres	ss	The Canadian Road, O					
Percent Ownership		1009					
Parent Company Contac	ct	Blake Smith					
		rican Industrial Classification Systen	n Code (NAICS)				
	-	Code	Description				
2-digit NAICS Code		33	Manufacturing				
4-digit NAICS Code		336	Transportation Equipment Manufacturing				
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing				
		Company Contact Information	-				
	Name	Blake Smith					
Facility public	Title	Director, EEVS	The Canadian Road				
contact	Email	bsmith29@ford.com	Oakville, ON				
Contact	Telephone #	905-845-2511 x1209	L6J 5E4				
	Fax #	905-845-5360					
	Toxic S	ubstance Reduction Planner Information	tion				
	Name	Patsy Duever					
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited				
Responsible for	License #	TSRP0119	51 Breithaupt Street				
Making	Email	pduever@dillon.ca	Kitchener, ON				
Recommendations Telephone #		519-571-9833 x3106	N2H 5G5				
	Fax #	519-571-7424					
Name		Patsy Duever					
Planner Company		Dillon Consulting Limited	Dillon Consulting Limited				
Responsible for	License #	TSRP0119	51 Breithaupt Street				
Certification	Email	pduever@dillon.ca	Kitchener, ON				
	Telephone #	519-571-9833 x3106	N2H 5G5				
	Fax #	519-571-7424					

	Table 1
Ethylbenzene	PM ₁₀
Ethylene Glycol	PM _{2.5}
Ethylene glycol monobutyl ether	Butane
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate
Isopropanol	Heavy aromatic solvent naphtha
Methyl alcohol	Hexane
Methyl isobutyl ketone	Hydrotreated heavy naphtha
n-Butyl alcohol	Light aromatic solvent naphtha
Sulphuric acid	Methyl ethyl ketone
Toluene	n-Butyl acetate
1,2,4-Trimethylbenzene	n-Heptane
Xylene	Pentane
Zinc (and its compounds)	Solvent naphtha medium aliphatic
NO _x	Tetrahydrofuran
СО	Trimethylbenzene
	Acetone

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for n-butyl acetate, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of n-butyl acetate by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of n-butyl acetate by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why n-butyl acetate is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
					Estimated	Reductions (tonne					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
Materials/feedstock substitution	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<2 <1%	N/A	<1 <1%	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
3. Equipment or process modification	Continue to increase block size as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<4 <2%	N/A	<2 <2%	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
7. Training or improved operating practices	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<2 <1%	N/A	<1 <1%	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014

Certifications (s. 19)								
As of December 9, 20	Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.							
n-Butyl Acetate								
HRE:	willing							
Toxic Substance Rec	luction Planner							
	As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.							
n-Butyl Acetate								
TSRP:	Patry Duever	Date:	November 27, 2013					

Substance & CAS No):	n-Neptane 142-82-5						
Substances at the Fa		See Table 1						
	Fa	cility Identification and Site Address						
Company Name	Company Name Ford Motor Company of Canada Limited							
Facility Name		Oakville Assem						
,		Physical Address	Mailing Address (if different)					
		The Canadian Road	P.O. Box 1300					
Facility Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee		2983						
NPRI ID Number		3419						
Ontario MOE ID Num	ber	6763						
		Parent Company Information						
Parent Company Nar	no	Ford Motor Company	of Canada Limited					
Parent Company Add		The Canadian Road, O						
Percent Ownership	11622	1009						
Parent Company Cor	ntact	Blake Smith	70					
			Code (NAICS)					
Primary North American Industrial Classification System Code (NAICS) Code Description								
2-digit NAICS Code		33	Manufacturing					
			Transportation Equipment					
4-digit NAICS Code		336	Manufacturing					
			-					
6-digit NAICS Code		336110	Automotive and Light Duty Moto Vehicle Manufacturing					
		Company Contact Information						
	Name	Blake Smith						
	Title	Director, EEVS	The Canadian Road					
Facility public	Email	bsmith29@ford.com	Oakville, ON					
contact	Telephone #	905-845-2511 x1209	L6J 5E4					
Fax #		905-845-5360	200 02 1					
	Toxic S	ubstance Reduction Planner Information						
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making	Email	pduever@dillon.ca	Kitchener, ON					
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
	Name	Patsy Duever						
DI	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Planner	License #	TSRP0119	51 Breithaupt Street					
Responsible for	Email	pduever@dillon.ca	Kitchener, ON					
Certification	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
		0.00						

	Table 1
Ethylbenzene	PM ₁₀
Ethylene Glycol	PM _{2.5}
Ethylene glycol monobutyl ether	Butane
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate
Isopropanol	Heavy aromatic solvent naphtha
Methyl alcohol	Hexane
Methyl isobutyl ketone	Hydrotreated heavy naphtha
n-Butyl alcohol	Light aromatic solvent naphtha
Sulphuric acid	Methyl ethyl ketone
Toluene	n-Butyl acetate
1,2,4-Trimethylbenzene	n-Heptane
Xylene	Pentane
Zinc (and its compounds)	Solvent naphtha medium aliphatic
NO _x	Tetrahydrofuran
со	Trimethylbenzene
	Acetone

Plan Summar	y Statement
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This plan summary accurately reflects the content of the toxic substance reduction plan for n-heptane, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of n-heptane by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of n-heptane by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why n-heptane is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
						Reductions (tonne					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
1. Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.4	N/A	<0.1	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
substitution	14001 EMS	<1%		<1%					·		
	Continue to increase block size as part of OAC's existing	<1	N/A	<0.3	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
process modification	VOC Reduction Plan within the ISO 14001 EMS	<2%		<2%						. ,,	
7. Training or improved operating	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction	<0.4	N/A	<0.1	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
practices	Plan within the ISO 14001 EMS	<1%	IV/A	<1%	19/7	14/7	13/7	IN/A	14/74	19/7	DGC. 2014

Certifications (s. 19)	ertifications (s. 19)								
Highest Ranking Em	ployee								
	As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.								
n-Neptane	n-Neptane								
HRE:	willth.	Date:	December 9, 2013						
Toxic Substance Rec	duction Planner								
	As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.								
n-Neptane									
TSRP:	Patey Quever	Date:	November 27, 2013						

Substance & CAS No):	Pentane N/A -35						
Substances at the Facility for which a Plan has been developed:		See Table 1						
a Plan has been deve	•							
Facility Identification and Site Address								
	Company Name Ford Motor Company of Canada Limited							
Facility Name Oakville Assembly Complex								
		Physical Address	Mailing Address (if different)					
Facility Address		The Canadian Road	P.O. Box 1300					
Tuomity Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates		607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee	s	2983						
NPRI ID Number		3419						
Ontario MOE ID Num	ber	6763						
		Parent Company Information						
Parent Company Nan	ne	Ford Motor Company	of Canada Limited					
Parent Company Add		The Canadian Road, O						
Percent Ownership		1009						
Parent Company Cor	ntact	Blake Smith						
		erican Industrial Classification System	n Code (NAICS)					
		Code	Description					
2-digit NAICS Code		33	Manufacturing					
4-digit NAICS Code		336	Transportation Equipment Manufacturing					
6-digit NAICS Code		336110	Automotive and Light Duty Motor Vehicle Manufacturing					
		Company Contact Information	· ·					
	Name	Blake Smith						
	Title	Director, EEVS	The Canadian Road					
Facility public	Email	bsmith29@ford.com	Oakville, ON					
contact	Telephone #	905-845-2511 x1209	L6J 5E4					
Fax #		905-845-5360						
	Toxic S	ubstance Reduction Planner Informa	tion					
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making	Email	pduever@dillon.ca	Kitchener, ON					
Recommendations Telephone #		519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
Name		Patsy Duever						
Company		Dillon Consulting Limited	Dillon Consulting Limited					
Planner	License #	TSRP0119	51 Breithaupt Street					
Responsible for	Email	pduever@dillon.ca	Kitchener, ON					
Certification	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
			l l					

	Table 1
Ethylbenzene	PM ₁₀
Ethylene Glycol	PM _{2.5}
Ethylene glycol monobutyl ether	Butane
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate
Isopropanol	Heavy aromatic solvent naphtha
Methyl alcohol	Hexane
Methyl isobutyl ketone	Hydrotreated heavy naphtha
n-Butyl alcohol	Light aromatic solvent naphtha
Sulphuric acid	Methyl ethyl ketone
Toluene	n-Butyl acetate
1,2,4-Trimethylbenzene	n-Heptane
Xylene	Pentane
Zinc (and its compounds)	Solvent naphtha medium aliphatic
NO _x	Tetrahydrofuran
СО	Trimethylbenzene
	Acetone

Plan Summar	v Statement
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This plan summary accurately reflects the content of the toxic substance reduction plan for pentane, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the creation of pentane by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the creation of pentane by reducing the use of natural gas in process and heating combustion equipment.

Description of Substance and Use/Creation

For a description of how, when, where, and why pentane is created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

	Options to be Implemented										
					Estimated	Reductions (tonne	e/yr and %)				Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
3. Equipment or	Close exhaust vents for "winter mode" to reduce heat loss N/A	N/A N/A	N/A	N/A	N/A	May 2015					
process modification			<1%	<1%						•	,
4. Spill and leak	ak Continue to identify and fix leaks as they are identified through the Combustion Safety Preventative N/A NA		N/A	N/A	N/A	N/A	N/A	Dec. 2014			
prevention	Maintenance Program	14/71	<1%	<1%	14/71	IVA IVA	19/5	14/74	13/74	14/7	DC0. 2014
-	Continue to improve weekend "turn down" by identifying further areas that can be turned down or shut-off during	N/A	<0.03	<0.03	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
improved operating practices	weekend hours	N/A	<2%	<2%	N/A	IN/A	IN/A	IN/A	N/A	N/A	Dec. 2014

Certifications (s. 19)	certifications (s. 19)								
Highest Ranking Em	lighest Ranking Employee								
	As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.								
Pentane									
HRE:	willith.	Date:	December 9, 2013						
Toxic Substance Rec	luction Planner								
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.									
Pentane									
TSRP:	Patry Duever	Date:	November 27, 2013						

Substance & CAS No	:	Solvent Naphtha Medium Aliphatic 64742-88-7				
Substances at the Fa	cility for which	See Table 1				
a Plan has been deve	eloped:	See Table T				
	Fa	cility Identification and Site Address				
Company Name		Ford Motor Company	of Canada Limited			
Facility Name		Oakville Assem				
		Physical Address	Mailing Address (if different)			
Facility Address		The Canadian Road	P.O. Box 1300			
Facility Address		Oakville, ON	Oakville, ON			
		L6J 5E4	L6J 5C9			
Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD			
Number of Employee		2983	•			
NPRI ID Number		3419				
Ontario MOE ID Num	ber	6763				
		Parent Company Information				
Parent Company Nan	ne	Ford Motor Company	of Canada Limited			
Parent Company Add		The Canadian Road, O				
Percent Ownership		100				
Parent Company Cor	ntact	Blake Smith				
		erican Industrial Classification System	n Code (NAICS)			
-		Code	Description			
2-digit NAICS Code		33	Manufacturing			
4-digit NAICS Code			Transportation Equipment			
		336	Manufacturing			
			Automotive and Light Duty Motor			
6-digit NAICS Code		336110	Vehicle Manufacturing			
		Company Contact Information	verlicle Mandiacturing			
	Name	Blake Smith				
	Title	Director, EEVS	The Canadian Road			
Facility public	Email	bsmith29@ford.com	Oakville, ON			
contact	Telephone #	905-845-2511 x1209	L6J 5E4			
	Fax #	905-845-5360	200 02 .			
		Substance Reduction Planner Informa	tion			
	Name	Patsy Duever				
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited			
Responsible for	License #	TSRP0119	51 Breithaupt Street			
Making	Email	pduever@dillon.ca	Kitchener, ON			
Recommendations	Telephone #	519-571-9833 x3106	N2H 5G5			
	Fax #	519-571-7424				
	Name	Patsy Duever				
DI	Company	Dillon Consulting Limited	Dillon Consulting Limited			
Planner	License #	TSRP0119	51 Breithaupt Street			
Responsible for	Email	pduever@dillon.ca	Kitchener, ON			
Certification	Telephone #	519-571-9833 x3106	N2H 5G5			
	Fax #	519-571-7424				
			ı			

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
CO	Trimethylbenzene					
	Acetone					

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for solvent naphtha medium aliphatic, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of solvent naphtha medium aliphatic by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of solvent naphtha medium aliphatic by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why solvent naphtha medium aliphatic is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
						Reductions (tonne					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
1. Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.3	N/A	<0.04	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
substitution	14001 EMS	<1%	-	<1%					·		
	Continue to increase block size as part of OAC's existing	<0.5	N/A	<0.1	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
process modification	VOC Reduction Plan within the ISO 14001 EMS	<2%		<2%		147.			1,77	1,771	255. 2014
7. Training or improved operating	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction	<0.3	N/A	<0.04	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
practices	Plan within the ISO 14001 EMS	<1%	14/7	<1%	19/7	14/7	13/7	IN/A	14/74	IN/A	Dec. 2014

Certifications (s. 19)	Certifications (s. 19)							
Highest Ranking Em	ployee							
	As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.							
Solvent Naphtha Medi	um Aliphatic							
HRE:	willitt.	Date:	December 9, 2013					
Toxic Substance Rec	luction Planner							
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.								
Solvent Naphtha Medium Aliphatic								
TSRP:	Patay Quever	Date:	November 27, 2013					

Substance & CAS No:	Tetrahydrofuran 109-99-9								
Substances at the Facility for which a Plan has been developed:	See Ta	See Table 1							
Facility Identification and Site Address									
Company Name Ford Motor Company of Canada Limited									
Facility Name									
•	Physical Address	Mailing Address (if different)							
Facility Address	The Canadian Road	P.O. Box 1300							
Facility Address	Oakville, ON	Oakville, ON							
	L6J 5E4	L6J 5C9							
Spatial Coordinates of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD							
Number of Employees	2983	,							
NPRI ID Number	3419								
Ontario MOE ID Number	6763								
	Parent Company Information								
Parent Company Name	Ford Motor Company	v of Canada Limitod							
Parent Company Address	The Canadian Road, 0								
Percent Ownership	100								
Parent Company Contact	Blake Smith	770							
	merican Industrial Classification Syste	m Code (NAICS)							
1 Timal y North A	Code	Description							
2-digit NAICS Code	33	Manufacturing							
2-digit NAIGO GOGE		Transportation Equipment							
4-digit NAICS Code	336	Manufacturing							
6-digit NAICS Code	336110	Automotive and Light Duty Moto							
	1	Vehicle Manufacturing							
	Company Contact Information								
Name	Blake Smith								
Facility public Title	Director, EEVS	The Canadian Road							
contact	bsmith29@ford.com	Oakville, ON							
Telephone #		L6J 5E4							
Fax #	905-845-5360								
	Substance Reduction Planner Information	ation							
Name	Patsy Duever								
Planner Company	Dillon Consulting Limited	Dillon Consulting Limited							
Responsible for License #	TSRP0119	51 Breithaupt Street							
Making Email	pduever@dillon.ca	Kitchener, ON							
Recommendations Telephone #		N2H 5G5							
Fax #	519-571-7424								
Name	Patsy Duever	-							
Planner Company	Dillon Consulting Limited	Dillon Consulting Limited							
Pesponsible for License #	TSRP0119	51 Breithaupt Street							
Certification Email	pduever@dillon.ca	Kitchener, ON							
Telephone #		N2H 5G5							
Fax #	519-571-7424								

Table 1					
Ethylbenzene	PM ₁₀				
Ethylene Glycol	PM _{2.5}				
Ethylene glycol monobutyl ether	Butane				
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate				
Isopropanol	Heavy aromatic solvent naphtha				
Methyl alcohol	Hexane				
Methyl isobutyl ketone	Hydrotreated heavy naphtha				
n-Butyl alcohol	Light aromatic solvent naphtha				
Sulphuric acid	Methyl ethyl ketone				
Toluene	n-Butyl acetate				
1,2,4-Trimethylbenzene	n-Heptane				
Xylene	Pentane				
Zinc (and its compounds)	Solvent naphtha medium aliphatic				
NO _x	Tetrahydrofuran				
co	Trimethylbenzene				
	Acetone				

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This plan summary accurately reflects the content of the toxic substance reduction plan for tetrahydrofuran, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of tetrahydrofuran by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of tetrahydrofuran by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why tetrahydrofuran is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
						Reductions (tonne					Timeline to
Option Category	Option Description	Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
1. Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.02	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
substitution	14001 EMS	<1%	-	<1%		·		·		·	
	Continue to increase block size as part of OAC's existing	<0.03	N/A	<0.03	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
process modification	on VOC Reduction Plan within the ISO 14001 EMS <2%		. ,, .	,, .	/\	DC0. 2014					
7. Training or improved operating	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction	<0.02	N/A	<0.01	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
practices	Plan within the ISO 14001 EMS	<1%	14/7	<1%	14/75	14/7	13/7	19/7	14/7	13/73	Dec. 2014

	•							
Certifications (s. 19) Highest Ranking Em	Certifications (s. 19) Highest Ranking Employee							
	As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.							
Tetrahydrofuran								
HRE:	Willitt.	Date:	December 9, 2013					
Toxic Substance Rec	luction Planner							
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.								
Tetrahydrofuran								
TSRP:	Patay Quever	Date:	November 27,2013					

Physical Address	Substance & CAS No):	Trimethylbenzene 25551-13-7								
Proceedings Ford Motor Company of Canada Limited			See Table 1								
Proceedings Ford Motor Company of Canada Limited	Facility Identification and Site Address										
Process Proc	Company Name										
Physical Address	Facility Name										
The Canadian Road Oakville, ON	,										
Cartille, ON	F										
Spatial Coordinates of Facility	Facility Address		Oakville, ON	Oakville, ON							
Number of Employees 2983 NPRI ID Number			L6J 5E4	L6J 5C9							
NPRI ID Number	Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD							
Parent Company Name Ford Motor Company of Canada Limited Parent Company Address The Canadian Road, Oakville, ON, L6J 5E4 Percent Ownership 100% Parent Company Contact Blake Smith Primary North American Industrial Classification System Code (NAICS) 2-digit NAICS Code 33 Manufacturing 4-digit NAICS Code 336 Transportation Equipment Manufacturing 6-digit NAICS Code 336110 Automotive and Light Duty Motor Vehicle Manufacturing Facility public Contact First Director, EEVS Email bsmith29@ford.com Oakville, ON Code Code Oakville, ON Code Code Code Oakville, ON Code Oakville, OA Code Oakv	Number of Employee	s	2983								
Parent Company Name	NPRI ID Number		3419								
Parent Company Name Ford Motor Company of Canada Limited Parent Company Address The Canadian Road, Oakville, ON, L6J 5E4 Percent Ownership 100% Parent Company Contact Blake Smith Primary North American Industrial Classification System Code (NAICS) Primary North American Industrial Classification System Code (NAICS) Code Description 33 Manufacturing 4-digit NAICS Code 336 Transportation Equipment Manufacturing 6-digit NAICS Code Company Contact Information Facility public Email bsmith29@ford.com Facility public Email bsmith29@ford.com Telephone # 905-845-2511 x1209 Fax # 905-845-2511 x1209 Fax # 905-845-2560 Toxic Substance Reduction Planner Information Name Patsy Duever Company Dillon Consulting Limited S1 Breithaupt Street Email pduever@dillon.ca Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Dillon Consulting Limited Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Dillon Consulting Limited S1 Breithaupt Street Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Dillon Consulting Limited Dillon Consulting Limited S1 Breithaupt Street Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited S1 Breithaupt Street	Ontario MOE ID Num	ber	6763								
Parent Company Name Ford Motor Company of Canada Limited Parent Company Address The Canadian Road, Oakville, ON, L6J 5E4 Percent Ownership 100% Parent Company Contact Blake Smith Primary North American Industrial Classification System Code (NAICS) Primary North American Industrial Classification System Code (NAICS) Code Description 33 Manufacturing 4-digit NAICS Code 336 Transportation Equipment Manufacturing 6-digit NAICS Code Company Contact Information Facility public Email bsmith29@ford.com Facility public Email bsmith29@ford.com Telephone # 905-845-2511 x1209 Fax # 905-845-2511 x1209 Fax # 905-845-2560 Toxic Substance Reduction Planner Information Name Patsy Duever Company Dillon Consulting Limited S1 Breithaupt Street Email pduever@dillon.ca Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Dillon Consulting Limited Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Dillon Consulting Limited S1 Breithaupt Street Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Dillon Consulting Limited Dillon Consulting Limited S1 Breithaupt Street Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited S1 Breithaupt Street			Parent Company Information								
Parent Company Address	Parent Company Nar	ne		of Canada Limited							
Percent Ownership											
Parent Company Contact											
Primary North American Industrial Classification System Code (NAICS) Code		ntact	Blake Smith								
Code Description			erican Industrial Classification System	n Code (NAICS)							
2-digit NAICS Code											
Adigit NAICS Code	2-digit NAICS Code		33								
Company Contact Information	4-digit NAICS Code		336								
Name	6-digit NAICS Code		336110								
Title			Company Contact Information								
Email bsmith29@ford.com Cakville, ON		Name	Blake Smith								
Contact	Title		Director, EEVS	The Canadian Road							
Telephone # 905-845-2511 x1209		Email	bsmith29@ford.com	Oakville, ON							
Name	Contact	Telephone #	905-845-2511 x1209	L6J 5E4							
Name		Fax #	905-845-5360								
Planner Company Dillon Consulting Limited Dillon Consulting Limited		Toxic S	ubstance Reduction Planner Informa	tion							
Responsible for Making License # Email TSRP0119 51 Breithaupt Street Recommendations Email Pouver @dillon.ca Kitchener, ON N2H 5G5 Fax # 519-571-7824 N2H 5G5 Name Patsy Duever Company Dillon Consulting Limited Pennosible for License # TSRP0119 Dillon Consulting Limited S1 Breithaupt Street											
Making Recommendations Email pduever@dillon.ca Kitchener, ON Fax # 519-571-9833 x3106 N2H 5G5 Fax # 519-571-7424 Name Pasty Duever Company Dillon Consulting Limited License # TSRP0119 51 Breithaupt Street											
Recommendations Telephone # 519-571-9833 x3106 N2H 5G5 Fax # 519-571-7424 Name Patsy Duever Planner Company Dillon Consulting Limited Dillon Consulting Limited Pennensible for License # TSRP0119 51 Breithaupt Street		License #		51 Breithaupt Street							
Fax # 519-571-7424 Name Patsy Duever Company Dillon Consulting Limited Dillon Consulting Limited License # TSRP0119 51 Breithaupt Street				Kitchener, ON							
Name Patsy Duever Dillon Consulting Limited Dill	Recommendations Telephone #			N2H 5G5							
Planner Company Dillon Consulting Limited Dillon Consulting Limited License # TSRP0119 51 Breithaupt Street											
Planner License # TSRP0119 51 Breithaupt Street											
Posponsible for License # TSRP0119 51 Breithaupt Street	Planner										
	Responsible for										
Certification Email pduever@dillon.ca Kitchener, ON											
Telephone # 519-571-9833 x3106 N2H 5G5	Johnson			N2H 5G5							
Fax # 519-571-7424		Fax #	519-571-7424								

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
СО	Trimethylbenzene					
	Acetone					

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This plan summary accurately reflects the content of the toxic substance reduction plan for trimethylbenzene, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of trimethylbenzene by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of trimethylbenzene by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why trimethylbenzene is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
Option Category	Option Description	Use	Creation	Release To Air	Polosso to	Release to Land	On-Site	Off-Site Disposal	Off-Site Recycle	Contained in Product	Timeline to Achieve Reductions
Materials/feedstock substitution	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<0.1 <1%	N/A	<0.1 <1%	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
Equipment or process modification	Continue to increase block size as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<0.3 <2%	N/A	<0.2 <2%	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
7. Training or improved operating practices	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction Plan within the ISO 14001 EMS	<0.1 <1%	N/A	<0.1 <1%	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014

Certifications (s. 19)									
Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.									
Trimethylbenzene									
HRE:	Willitt.	Date:	December 9, 2013						
Toxic Substance Rec	luction Planner	L							
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.									
Trimethylbenzene									
TSRP:	Patay Duever	Date:	November 27, 2013						

Substance & CAS No	:	Acetone	67-64-1					
Substances at the Fa a Plan has been deve		See Table 1						
	Fa	cility Identification and Site Address						
Company Name Ford Motor Company of Canada Limited								
Facility Name		Oakville Assembly Complex						
		Physical Address	Mailing Address (if different)					
Facility Address		The Canadian Road	P.O. Box 1300					
racility Address		Oakville, ON	Oakville, ON					
		L6J 5E4	L6J 5C9					
Spatial Coordinates	of Facility	607440 m E, 4815259 m N	Expressed as UTM within NAD					
Number of Employee	s	2983						
NPRI ID Number		3419	1					
Ontario MOE ID Num	ber	6763	1					
		Parent Company Information						
Parent Company Nan	16	Ford Motor Company	of Canada Limited					
Parent Company Add		The Canadian Road, C						
Percent Ownership	11033	100						
Parent Company Cor	tact	Blake Smith	70 I					
		erican Industrial Classification System	n Code (NAICS)					
	illiary North Allie	Code	Description					
2-digit NAICS Code		33	Manufacturing					
		33						
4-digit NAICS Code		336	Transportation Equipment					
			Manufacturing					
6-digit NAICS Code		336110	Automotive and Light Duty Moto					
			Vehicle Manufacturing					
		Company Contact Information						
	Name	Blake Smith						
Facility public	Title	Director, EEVS	The Canadian Road					
contact	Email	bsmith29@ford.com	Oakville, ON					
00	Telephone #	905-845-2511 x1209	L6J 5E4					
	Fax #	905-845-5360						
	Toxic S	ubstance Reduction Planner Informa	tion					
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Making	Email	pduever@dillon.ca	Kitchener, ON					
Recommendations Telephone #		519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424						
	Name	Patsy Duever						
Planner	Company	Dillon Consulting Limited	Dillon Consulting Limited					
Responsible for	License #	TSRP0119	51 Breithaupt Street					
Certification	Email	pduever@dillon.ca	Kitchener, ON					
Gertification	Telephone #	519-571-9833 x3106	N2H 5G5					
	Fax #	519-571-7424	1					
	Fax #	519-571-7424						

Table 1						
Ethylbenzene	PM ₁₀					
Ethylene Glycol	PM _{2.5}					
Ethylene glycol monobutyl ether	Butane					
Isobutyl alcohol	Ethylene glycol monobutyl ether acetate					
Isopropanol	Heavy aromatic solvent naphtha					
Methyl alcohol	Hexane					
Methyl isobutyl ketone	Hydrotreated heavy naphtha					
n-Butyl alcohol	Light aromatic solvent naphtha					
Sulphuric acid	Methyl ethyl ketone					
Toluene	n-Butyl acetate					
1,2,4-Trimethylbenzene	n-Heptane					
Xylene	Pentane					
Zinc (and its compounds)	Solvent naphtha medium aliphatic					
NO _x	Tetrahydrofuran					
СО	Trimethylbenzene					
	Acetone					

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This plan summary accurately reflects the content of the toxic substance reduction plan for acetone, prepared by Oakville Assembly Complex, dated November 27, 2013.

Statement of Intent

Oakville Assembly Complex intends to reduce the use of acetone by implementing selected reduction options.

Objective

Oakville Assembly Complex will reduce the use of acetone by reducing our use of paints and solvents in vehicle painting operations.

Description of Substance and Use/Creation

For a description of how, when, where, and why acetone is used/created, including quantifications for accounting and process flow diagrams see "2012 Toxic Substance Accounting for TRA and O. Reg. 455/09", prepared by Dillon Consulting Limited and dated September 2013, located at the Environmental Offices, OAC.

Options to be Implemented											
	Option Description	Estimated Reductions (tonne/yr and %)									Timeline to
Option Category		Use	Creation	Release To Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained in Product	Achieve Reductions
Materials/feedstock	Continue trials of low VOC booth cleaners as part of OAC's existing VOC Reduction Plan within the ISO	<0.05	N/A	<0.04	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
substitution	14001 EMS	<1%		<1%							
Continue to increase block size as part of OAC's existing	<0.1	N/A	<0.08	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014	
process modification	VOC Reduction Plan within the ISO 14001 EMS	<2%		<2%							
7. Training or improved operating	Continue to implement "lockout" practice on all valves in paint booths as part of OAC's existing VOC Reduction	<0.05	N/A	<0.04	N/A	N/A	N/A	N/A	N/A	N/A	Dec. 2014
practices Plan within the ISO 14001 EMS	<1%	IN/A	<1%	14/74	13/A	14/7	IN/A	14/7	IN/A	Dec. 2014	

Certifications (s. 19)									
Highest Ranking Employee As of December 9, 2013, I, Will Cowell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.									
Acetone									
HRE:	Willitt.	Date:	December 9, 2013						
Toxic Substance Rec	luction Planner	· L							
As of November 27, 2013, I, Patsy Duever, certify that I am familiar with the processes at Oakville Assembly Complex that use or create the toxic substance 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 plan dated November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.									
Acetone									
TSRP:	Patry Duever	Date:	November 27, 2013						