

O.Reg. 455/09 Toxic Substance Reduction Plan Summary
Ford Motor Company of Canada - Essex Engine Plant

Substance & CAS No:		Manganese (and its compounds)	N/A
Other Substances at the Facility for which a Plan has been developed:		Copper (and its compounds)	N/A
Facility Identification and Site Address			
Company Name		Essex Manufacturing	
Facility Name		Essex Engine Plant	
Facility Address	Physical Address		Mailing Address (if different)
	1 Quality Way Windsor, Ontario N9A 6X3		same as physical address
Spatial Coordinates of Facility		340918 m E, 4684629 m N	<i>Expressed as UTM within NAD</i>
Number of Employees		617	
NPRI ID Number		3886	
Ontario MOE ID Number		-	
Parent Company Information			
Parent Company Name		Ford Motor Company of Canada Limited	
Parent Company Address		100 The Canadian Road, Oakville, ON, L6J 5E4	
Percent Ownership		100%	
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	3363	Motor Vehicle Parts Manufacturing	
6-digit NAICS Code	336312	Engines & Parts, Automotive & Truck, Manufacturing	
Company Contact Information			
Facility public contact	Name	Blake Smith	
	Title	Director EEVS	
	Email	bsmith29@ford.com	
	Telephone #	905-845-2511 x.1209	
	Fax #	905-845-5360	
		The Canadian Road Oakville, Ontario L6J 5E4	
Toxic Substance Reduction Planner Information			
Planner Responsible for Making Recommendations	Name	Shannon Belleau	
	Company	Dillon Consulting Limited	
	License #	TSRP0155	
	Email	sbelleau@dillon.ca	
	Telephone #	519-948-5000 x.3258	
	Fax #	519-948-5054	
Planner Responsible for Certification	Name	Shannon Belleau	
	Company	Dillon Consulting Limited	
	License #	TSRP0155	
	Email	sbelleau@dillon.ca	
	Telephone #	519-948-5000 x.3258	
	Fax #	519-948-5054	
		3200 Deziel Drive Suite 608 Windsor, Ontario N8W 5K8	

**O.Reg. 455/09 Toxic Substance Reduction Plan Summary
Ford Motor Company of Canada - Essex Engine Plant**

Plan Summary Statement
This plan summary accurately reflects the content of the toxic substance reduction plan for Manganese (and its compounds), prepared by Essex Engine Plant, dated December 18, 2012.
Statement of Intent
Ford Motor Company of Canada intends to reduce the use of Manganese (and its compounds) at the Essex Engine Plant located in Windsor, Ontario by implementing selected reduction options.
Objective
Essex Engine Plant will reduce the use of Manganese (and its compounds) by implementing improved operating procedures and training efforts with a goal of improving department specific first time through numbers.
Description of Substance and Use/Creation
For a description of how, when, where and why Manganese (and its compounds) is used, including quantifications for accounting and process flow diagrams, see the "2011 Toxic Substance Accounting for TRA & O.Reg. 455/09" Report, prepared by Dillon Consulting Limited, dated October 2012 and located at the Environmental Engineer's desk.

		Options to be Implemented									Timeline to Achieve Reductions
Option Category	Option Description	Estimated Reductions (tonne/yr and %)									
		Use	Creation	Release to Air	Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle	Contained In Product	
7. Training or improved operating practices	Continue to improve operating procedures and associated employee training programs to reduce the volume of scrap and improve "first time through" numbers.	<1.5 tonne/yr	N/A	<0.001 tonne/yr	N/A	N/A	N/A	<0.004 tonne/yr	<0.4 tonne/yr	0 tonne/yr	December-13
		<1%		<1%				<1%	<1%	0	

Notes:
(1) If no options are to be implemented, a statement and rationale must be provided.

Certifications (s. 19)	
Highest Ranking Employee	
As of December 18, 2012, I, Shaun Whitehead, 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.	
Manganese (and its compounds)	
HRE:	Shaun Whitehead Date: 12/18/12
Toxic Substance Reduction Planner	
As of December 18, 2012, I, Shannon Belleau, certify that I am familiar with the processes at Essex Engine Plant 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 December 18, 2012 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.	
Manganese (and its compounds)	
TSRP:	Shannon Belleau Date: 12/18/2012