

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

Substance & CAS No:	Carbon Monoxide	630-08-0
Other Substances at the Facility for which a Plan has been developed:	Copper (and its compounds)	N/A
	Manganese (and its compounds)	N/A
	Nitrogen Oxides	11104-93-1
	Particulate Matter ≤ 10 micron	N/A
	Particulate Matter ≤ 2.5 micron	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	781	
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

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Plan Summary Statement
This plan summary accurately reflects the content of the toxic substance reduction plan for Carbon Monoxide, prepared by Essex Engine Plant, dated December 18, 2013.
Statement of Intent
Ford Motor Company of Canada intends to reduce the creation of Carbon Monoxide at the Essex Engine Plant located in Windsor, Ontario by implementing selected reduction options.
Objective
Essex Engine Plant will reduce the creation of Carbon Monoxide by implementing equipment modifications and improved operating procedures.
Description of Substance and Use/Creation
For a description of how, when, where and why Carbon Monoxide is created, including quantifications for accounting and process flow diagrams, see the "2012 Toxic Substance Accounting for TRA & O.Reg. 455/09" Report, prepared by Dillon Consulting Limited and located at the Environmental Engineer's desk.

Option Category	Option Description	Options to be Implemented									Timeline to Achieve Reductions	
		Use	Estimated Reductions (tonne/yr and %)			Release to Water	Release to Land	On-Site Disposal	Off-Site Disposal	Off-Site Recycle		Contained In Product
			Creation	Release to Air								
3. Equipment or process modification	Continue to investigate reducing the temperature set points for natural gas equipment.	N/A	<0.05 tonne/yr	<0.05 tonne/yr	N/A	N/A	N/A	N/A	N/A	N/A	July 2015	
			<0.01%	<0.01%								
7. Training or improved operating practices	Continue to institute operating practices to improve natural gas heating equipment run-time and improve energy conservation communication to employees: 1) By assessing external temperatures and adjusting run-time accordingly; 2) By improving weekend "turn down" by identifying further areas that can be turned down or shut-off during weekend hours.	N/A	<0.05 tonne/yr	<0.05 tonne/yr	N/A	N/A	N/A	N/A	N/A	N/A	December 2014	
			<0.01%	<0.01%								

Certifications (s. 19)	
Highest Ranking Employee	
As of December 18, 2013, 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.	
Carbon Monoxide	
HRE:	<i>Shaun Whitehead</i> Date: 12-18-13
Toxic Substance Reduction Planner	
As of December 18, 2013, 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, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.	
Carbon Monoxide	
TSRP:	<i>Shannon Belleau</i> Date: Dec 18/2013