

**2015**  
**FCA Canada Inc.**  
**Windsor Assembly Plant**

**[ANNUAL PUBLIC REPORT UNDER O. REG.  
455/09]**

# 2015 Annual Public Report Under O. Reg. 455/09 Windsor Assembly Plant

## Environmental Reporting:

The National Pollution Release Inventory (NPRI) is Canada's legislated, publically accessible inventory of releases (to air, water and land), disposals and transfer for recycling that are associated with industrial activity. Over 8,000 facilities report to the NPRI on more than 300 listed substances. FCA Canada Inc. has been reporting in accordance with federal NPRI regulations since its inception in 1992.

O. Reg. 455/09 is a regulation promulgated in Ontario in 2009 and applies specifically to facilities and products made in Ontario.

Regulation 455 requires facilities to report on the use and creation of substances of concern. Currently the substances of concern under Ontario regulation are identical to the NPRI list. In addition to substance use and creation, NPRI releases, disposals and transfers are reported along with the amount of the substance contained in product.

Vehicles are made by all manufacturers in a similar manner globally. All vehicles sold in Canada must meet the same consumer performance expectations for the Canadian market as well as export markets where they may be sold. To meet these expectations, many of the substances listed in Regulation 455 as "substances of concern" are utilized in the manufacture of all vehicles, including those assembled elsewhere and imported to Ontario for sale.

# 2015 Annual Public Report Under O. Reg. 455/09

## Windsor Assembly Plant

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**Ontario Regulation 455/09, Section 27**  
**Public Report for WINDSOR ASSEMBLY**  
**PLANT**  
**Date: 5/27/2016**

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### 1.0 Facility Identification and Information

NPRI Identification Number:	3476
Ontario Regulation 127/01 ID:	6930
Name of Parent Company/Owner/Operator:	FCA USA LLC
Address:	800 Chrysler Drive Auburn Hills, MI 48326
Percent Ownership:	100%
Facility Name:	WINDSOR ASSEMBLY PLANT
Address:	2199 Chrysler Center Windsor, ON N9A 4H6
Number of Employees:	4,500
NAICS Code:	336110
Public Contact:	Sue Forest
Title:	EHS Lead, Candian Operations
Telephone Number:	519-973-2864
Facility Location	
Latitude:	42° 18' 00"
Longitude:	82° 59' 17"

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# 2015 Annual Public Report Under O. Reg. 455/09 Windsor Assembly Plant

ONTARIO REGULATION 455/09

## 2015 Annual Report Certification Statement

Facility: Windsor Assembly Plant

Name: Michael Brieda

Position: Plant Manager

Signature: /s/ Michael Brieda

As of May 27<sup>th</sup> 2016, I certify that I have read the reports on the toxic substance reduction plans for:

- ETHYL ALCOHOL (CAS: 000064175)
- METHANOL (CAS: 000067561)
- ISOPROPYL ALCOHOL (CAS: 000067630)
- ACETONE (CAS: 000067641)
- N-BUTYL ALCOHOL (CAS: 000071363)
- BENZENE (CAS: 000071432)
- METHYL ETHYL KETONE (CAS: 000078933)
- 1,2,4-TRIMETHYLBENZENE (CAS: 000095636)
- ETHYLBENZENE (CAS: 000100414)

# 2015 Annual Public Report Under O. Reg. 455/09 Windsor Assembly Plant

## ONTARIO REGULATION 455/09 2015 Annual Report Certification Statement Cont'd

- METHYLENEBIS(PHENYL)ISOCYANATE (CAS: 000101688)
- ETHYLENE GLYCOL (CAS: 000107211)
- METHYL ISOBUTYL KETONE (CAS: 000108101)
- TOLUENE (CAS: 000108883)
- DIETHYLENE GLYCOL BUTYL ETHER (CAS: 000112345)
- n-BUTYL ACETATE (CAS: 000123864)
- XYLENE (MIXED ISOMERS) (CAS: 001330207)
- MANGANESE (CAS: 007439965)
- ZINC (CAS: 007440666)
- SULFURIC ACID (CAS: 007664939)
- HEAVY ALKYLATE NAPHTHA (CAS: 064741657)
- HEAVY AROMATIC SOLVENT NAPHTHA (CAS: 064742945)
- LIGHT AROMATIC SOLVENT NAPHTHA (CAS: 064742956)
- NITRATE COMPOUNDS (CAS: N511)
- NITROGEN OXIDES (expressed as NO<sub>2</sub>) (CAS: 11104-93-1)
- CARBON MONOXIDE (CAS: 630-08-0)
- TOTAL PHOSPHORUS (INCL. CMPDS) (CAS: NA - 22)
- PARTICULATE PM<sub>10</sub> (CAS: NA - M09)
- PARTICULATE PM<sub>2.5</sub> (CAS: NA - M10)
- ISO-BUTYL ALCOHOL (CAS: 00078831)

and am familiar with their contents and to my knowledge the information contained in the reports is factually accurate and the reports comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under the Act.

# 2015 Annual Public Report Under O. Reg. 455/09 Windsor Assembly Plant

Substance		Usage			Created			Contained in Product			Releases			Disposal			Transfers			Public Reasons for Change
CAS/Category	Name	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	
000064175	ETHYL ALCOHOL	>1 to 10	-4	-54.8%	0	0	NA	0	0	NA	0.29	0	-53.0%	0.00	0	NA	0.55	-1	-53.3%	Decrease in vehicle production levels
000067561	METHANOL	>10 to 100	-24	-22.5%	0	0	NA	>10 to 100	-17	-17.3%	0.18	0	-68.3%	0.00	0	-100.0%	0.79	-3	-79.0%	Decrease in vehicle production levels
000067630	ISOPROPYL ALCOHOL	>10 to 100	0	4.4%	0	0	NA	0	0	NA	6.18	4	233.2%	0.00	0	NA	3.26	-3	-45.0%	Increased cleaning products used.
000067641	ACETONE	>1 to 10	-1	-16.9%	0	0	NA	0	0	NA	1.06	0	85.6%	0.00	0	-100.0%	1.05	0	-3.4%	Decrease in vehicle production levels
000071363	N-BUTYL ALCOHOL	>1 to 10	-3	-41.4%	0	0	NA	0	0	NA	0.28	0	-41.6%	0.00	0	NA	2.94	-2	-41.4%	Decrease in vehicle production levels
000071432	BENZENE	>10 to 100	-23	-24.4%	0	0	NA	0	0	NA	0.08	0	-2.6%	0.00	0	NA	0.01	0	-28.6%	Decrease in vehicle production levels
000078933	METHYL ETHYL KETONE	0.919	-1	-51.6%	0	0	NA	0	0	NA	0.16	0	-72.5%	0.00	0	NA	0.59	0	-42.1%	Decrease in vehicle production levels
000095636	1,2,4-TRIMETHYLBENZENE	>10 to 100	-7	-39.5%	0	0	NA	0	0	NA	0.59	0	-44.5%	0.00	0	NA	6.78	-3	-33.7%	Decrease in vehicle production levels
000100414	ETHYLBENZENE	>1 to 10	-5	-41.5%	0	0	NA	0	0	NA	0.43	0	-41.8%	0.00	0	NA	4.42	-3	-41.5%	Decrease in vehicle production levels
000101688	METHYLENEBIS(PHENYL)ISOCYANATE	>10 to 100	-6	-23.1%	0	0	NA	>10 to 100	-8	-32.7%	0.00	0	-99.0%	0.00	0	NA	0.00	0	-100.0%	Creation and releases decreased due to more refined engineering calculations.
000107211	ETHYLENE GLYCOL	>1,000 to 10,000	-894	-38.7%	0	0	NA	>1,000 to 10,000	-894	-38.7%	0.03	0	-36.6%	0.17	0	-38.3%	0.00	0	NA	Decrease in vehicle production levels
000108101	METHYL ISOBUTYL KETONE	>10 to 100	-27	-58.8%	0	0	NA	0	0	NA	1.69	-2	-51.7%	0.00	0	-99.3%	5.17	-13	-72.0%	Decrease in vehicle production levels
000108883	TOLUENE	0.982	-1	-52.7%	0	0	NA	0	0	NA	0.06	0	-55.5%	0.00	0	NA	0.59	0	-44.6%	Decrease in vehicle production levels
000112345	DIETHYLENE GLYCOL BUTYL ETHER	>10 to 100	-7	-30.0%	0	0	NA	0	0	NA	0.65	0	-30.0%	10.99	-3	-21.2%	0.64	-1	-44.4%	Decrease in vehicle production levels
000123864	n-BUTYL ACETATE	>10 to 100	-43	-42.7%	0	0	NA	0	0	NA	4.20	-4	-45.7%	0.00	0	-33.3%	15.30	-11	-41.9%	Decrease in vehicle production levels
001330207	XYLENE (MIXED ISOMERS)	>10 to 100	-19	-36.7%	0	0	NA	0	0	NA	2.76	0	-12.7%	0.00	0	NA	17.90	-13	-41.1%	Decrease in vehicle production levels
007439965	MANGANESE	>1,000 to 10,000	-818	-32.4%	0	0	NA	>1,000 to 10,000	-813	-32.5%	0.00	0	NA	6.72	0	6.8%	9.90	-5	-32.7%	Decrease in vehicle production levels
007440666	ZINC	>100 to 1,000	-169	-30.2%	0	0	NA	>100 to 1,000	-169	-31.4%	0.20	0	-32.8%	19.44	1	6.1%	1.94	-1	-34.0%	Decrease in vehicle production levels
007664939	SULFURIC ACID	>1 to 10	-1	-12.2%	0	0	NA	0	0	NA	0.01	0	-11.1%	0.00	0	NA	0.00	0	NA	Decrease in vehicle production levels
064741657	HEAVY ALKYLATE NAPHTHA	>10 to 100	-9	-28.5%	0	0	NA	0	0	NA	1.79	-1	-28.8%	0.00	0	-33.3%	3.50	-1	-26.8%	Decrease in vehicle production levels
064742945	HEAVY AROMATIC SOLVENT NAPHTHA	>1 to 10	-1	-41.4%	0	0	NA	0	0	NA	0.09	0	-41.4%	0.00	0	NA	0.88	-1	-41.4%	Decrease in vehicle production levels
064742956	LIGHT AROMATIC SOLVENT NAPHTHA	>10 to 100	-9	-36.9%	0	0	NA	0	0	NA	0.87	-1	-40.6%	0.00	0	NA	9.95	-5	-34.0%	Decrease in vehicle production levels
N511	NITRATE COMPOUNDS	>10 to 100	-27	-63.2%	0	0	NA	0	0	NA	0.09	0	154.1%	13.78	-27	-65.9%	0.00	0	NA	Material use substitution.
11104-93-1	BEN OXIDES (expressed as carbon)	0	0	NA	10-100	-1.924	-6.04%	0	0	NA	29.9	-1.924	-6.04%	0	0	0%	0	0	NA	No significant change (i.e. <10%)
630-08-0	CARBON MONOXIDE	0	0	NA	10-100	-1.616	-6.04%	0	0	NA	26.8	-1.616	-6.04%	0	0	0%	0	0	NA	No significant change (i.e. <10%)
NA - 22	PHOSPHORUS (INCL. C)	10-100	5	7.6%	0	0	NA	1-100	2.9	8.1%	0.001	-0.001	-50.0%	9.267	-3.197	-34.50%	0	0	NA	Material use substitution.
NA - M09	PARTICULATE PM10	0	0	NA	10-100	-2.497	-23.89	NA	NA	NA	8.0	-2.496	-23.88%	NA	NA	NA	NA	NA	NA	No significant change (i.e. <10%)
NA - M10	PARTICULATE PM2.5	0	0	NA	1-10	-2.283	-23.33	NA	NA	NA	7.5	-2.282	-23.32%	NA	NA	NA	NA	NA	NA	No significant change (i.e. <10%)
00078831	ISO-BUTYL ALCOHOL	>10 to 100	-9.3	-64.7%	NA	NA	NA	NA	NA	NA	1.41	-0.2	-14.0%	NA	NA	NA	3.29	-4.2	-128.3%	Decrease in vehicle production levels

# 2014 Annual Public Report Under O. Reg. 455/09 Windsor Assembly Plant ADDENDUM

Substance		Usage			Created			Contained in Product			Releases			Disposal			Transfers			
CAS/Category	Name	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	Reporting Year	Tonnage Change	% Change	Public Reasons for
00078831	ISO-BUTYL ALCOHOL	>10 to 100	NA	NA	NA	NA	NA	NA	NA	NA	1.61	NA	NA	0.00	NA	NA	7.51	NA	NA	First Report

Note: ISO-BUTYL ALCOHOL WAS NOT ORIGINALLY REPORTED IN 2014 DUE TO A SYSTEM ERROR. THIS ERROR WAS IDENTIFIED BY FCA IN 2016 AND THE 2014 REPORT WAS CORRECTED WITH THE DATA ABOVE.