

2015

FCA Canada Inc.

Brampton Assembly Plant

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

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

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Ontario Regulation 455/09, Section 27

Public Report for BRAMPTON ASSEMBLY PLANT

Date: 5/30/2016

1.0 Facility Identification and Information

NPRI Identification Number:	4173
Ontario Regulation 127/01 ID:	7203
Name of Parent Company/Owner/Operator:	FCA USA LLC
Address:	800 Chrysler Drive Auburn Hills, MI 48326
Percent Ownership:	100%
Facility Name:	BRAMPTON ASSEMBLY PLANT
Address:	2000 Williams Parkway Brampton, ON L6S 6B3
Number of Employees:	3,400
NAICS Code:	336110
Public Contact:	Sue Forest
Title:	EHS Lead, Canadian Operations
Telephone Number:	519-973-2864
Facility Location	
Latitude:	43° 45' 10"
Longitude:	79° 42' 50"

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ONTARIO REGULATION 455/09

2015 Annual Report Certification Statement

Facility: Brampton Assembly Plant

Name: Joe Araujo

Position: Plant Manager

Signature: /s/ Joe Araujo

As of May 30th, 2016, I certify that I have read the reports on the toxic substance inventories for:

- Methanol (67-56-1)
- Isopropyl alcohol (67-63-0)
- n-Butyl alcohol (71-36-3)
- 1,2,4-Trimethylbenzene (95-63-6)
- i-Butyl alcohol (78-83-1)
- Methylenebis(phenylisocyanate) (101-68-8)
- Ethylene glycol (107-21-1)
- Methyl isobutyl ketone (108-10-1)
- 2-Butoxyethanol (111-76-2)
- N-Methyl-2-pyrrolidone (872-50-4)
- Xylene (all isomers) (1330-20-7)
- Toluene (108-88-3)
- n-butyl acetate (123-86-4)

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2015 Annual Report Certification Statement Cont'd)

- Hydrotreated Heavy Naphtha (64742-48-9)
- Solvent Naphtha Medium Aliphatic (64742-88-7)
- Heavy Aromatic Solvent Naphtha (64742-94-5)
- Light Aromatic Solvent Naphtha (64742-95-6)
- Zinc (and its compounds) (NA-14)
- Sodium nitrite (7632-00-0)
- D-limonene (59-89-275)
- Tetrahydrofuran (109-99-9)
- Sulphuric acid (7664-93-9)
- Nitric acid (7697-37-2)
- Nitrate ion in solution at pH ≥ 6.0 (NA-17)
- Phosphorus (total) (NA-22)
- Polymeric diphenylmethane diisocyanate (9016-87-9)
- Carbon monoxide (630-08-0)
- Nitrogen oxides (expressed as NO₂) (11104-93-1)
- PM₁₀ – Particulate Matter ≤ 10 Microns (NA-M09)
- PM_{2.5} – Particulate Matter ≤ 2.5 Microns (NA-M10)
- Total Particulate Matter (NA-M08)

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.

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CAS/ Category	Substance Name	Usage			Created			Contained in Product			Releases			Disposal			Transfers			Reasons for 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	Reporting Year	Tonnage Change	% Change	
000067561	METHANOL	>100 to 1,000	18	11.9%	0	0	NA	>100 to 1,000	18	12.0%	1.16	1	11.1%	0.11	0	25.2%	1.00	0	24.0%	Increase in vehicle production levels
000067630	ISOPROPYL ALCOHOL	>10 to 100	6	18.3%	0	0	NA	0	0	0.0%	28.98	24	543.5%	0.22	0	0.0%	0.00	3	37.1%	Increase in vehicle production levels
000071363	N-BUTYL ALCOHOL	>10 to 100	-9	-10.2%	0	0	NA	0	0	0.0%	52.01	56	-3281.3%	-0.59	0	0.0%	0.00	7	-135.0%	Increase in vehicle production levels
000078831	ISOBUTYL ALCOHOL	>10 to 100	4	16.6%	0	0	NA	0	0	0.0%	22.42	23	-679.3%	-0.29	0	0.0%	0.00	3	34.8%	Increase in vehicle production levels
000095636	1,2,4-TRIMETHYLBENZENE	>10 to 100	13	25.0%	0	0	NA	0	0	0.0%	46.41	46	-225.7%	-0.05	0	0.0%	0.00	7	131.3%	Increase in vehicle production levels
000101688	METHYLENEBIS(PHENYLISOCYANATE)	>10 to 100	-7	-12.3%	0	0	NA	>10 to 100	-7	-13.4%	0.01	0	-6.7%	0.00	0	NA	0.00	0	NA	More efficient use of materials
000107211	ETHYLENE GLYCOL	>1,000 to 10,000	368	35.1%	0	0	NA	>1,000 to 10,000	368	35.1%	0.19	0	36.2%	0.17	0	35.4%	0.01	0	50.0%	Increase in vehicle production levels
000108101	METHYL ISOBUTYL KETONE	>1 to 10	1	20.3%	0	0	NA	0	0	0.0%	6.88	6	429.1%	0.75	0	0.0%	0.00	1	14.4%	Increase in vehicle production levels
000108883	TOLUENE	>1 to 10	-1	-44.1%	0	0	NA	0	0	NA	1.50	0	-24.0%	0.00	0	-100.0%	0.18	0	-42.7%	Material reformulation
000109999	TETRAHYDROFURAN	>1 to 10	0	7.9%	0	0	NA	0	0	NA	0.88	0	7.9%	0.00	0	NA	0.04	0	2.8%	Increase in vehicle production levels
000111762	2-BUTOXYETHANOL	>100 to 1,000	-9	-7.5%	0	0	NA	0	0	NA	51.27	-1	-2.8%	42.63	-9	-18.1%	0.80	0	41.0%	Increase in vehicle production levels
000112345	DIETHYLENE GLYCOL BUTYL ETHER	>10 to 100	13	NA	0	0	NA	>10 to 100	12	NA	1.05	1	NA	0.02	0	NA	0.00	0	NA	Increase in vehicle production levels
000123864	n-BUTYL ACETATE	>10 to 100	16	73.3%	0	0	NA	0	0	0.0%	29.27	19	1427.6%	0.76	0	0.0%	0.00	4	172.4%	Increase in vehicle production levels
000872504	N-METHYL-2-PYRROLIDONE	>10 to 100	11	36.2%	0	0	NA	0	0	NA	28.08	7	35.5%	0.00	0	NA	1.05	0	33.1%	Material reformulation
001330207	XYLENE (MIXED ISOMERS)	>10 to 100	8	20.0%	0	0	NA	0	0	0.0%	43.92	37	2465.5%	0.67	0	0.0%	0.00	6	99.3%	Increase in vehicle production levels
005989275	D-LIMONENE	>1 to 10	1	314.5%	0	0	NA	0	0	NA	1.06	1	314.1%	0.00	0	NA	0.00	0	NA	Increase in vehicle production levels
007440666	ZINC	>100 to 1,000	33	12.5%	0	0	NA	>100 to 1,000	33	12.9%	0.06	0	13.2%	9.99	0	2.1%	0.89	0	0.0%	Increase in vehicle production levels
007632000	SODIUM NITRITE	>10 to 100	-3	-6.4%	0	0	NA	>10 to 100	-3	-6.4%	0.00	0	NA	0.00	0	NA	0.00	0	NA	Increase in vehicle production levels
007664939	SULFURIC ACID	>10 to 100	12	59.8%	0	0	NA	0	0	NA	0.00	0	NA	0.00	0	NA	0.00	0	NA	Increase in vehicle production levels
007697372	NITRIC ACID	>1 to 10	9	644.5%	0	0	NA	0	0	NA	0.01	0	900.0%	0.00	0	NA	0.00	0	NA	Increase in vehicle production levels
009016879	POLYMERIC DIPHENYLMETHANE DIISOCYANATE	>100 to 1,000	-23	-13.5%	0	0	NA	>100 to 1,000	-27	-16.2%	0.00	0	0.0%	0.00	0	NA	0.00	0	NA	More efficient use of materials
064742478	HYDROTREATED LIGHT DISTILLATE	>1 to 10	4	NA	0	0	NA	0	0	NA	3.59	4	NA	0.00	0	NA	0.30	0	NA	First Report
064742489	HYDROTREATED HEAVY NAPHTHA	>10 to 100	-40	-77.9%	0	0	NA	0	0	NA	6.54	-27	-80.8%	3.22	2	125.0%	0.12	-1	-90.8%	Material reformulation
064742887	SOLVENT NAPHTHA MEDIUM ALIPHATIC	>1 to 10	-9	-80.2%	0	0	NA	0	0	NA	2.20	-5	-69.9%	0.00	0	NA	0.12	-1	-90.2%	Material reformulation
064742945	HEAVY AROMATIC SOLVENT NAPHTHA	>10 to 100	1	8.5%	0	0	NA	0	0	0.0%	9.76	9	169.8%	0.19	0	0.0%	0.00	2	12.6%	Material reformulation
064742956	LIGHT AROMATIC SOLVENT NAPHTHA	>100 to 1,000	18	20.7%	0	0	NA	0	0	0.0%	72.17	61	-475.2%	-0.08	3	178.9%	0.56	10	168.9%	Material reformulation
N511	NITRATE COMPOUNDS	>10 to 100	-1	-7.3%	0	0	NA	0	0	NA	0.00	0	NA	13.01	-2	-11.9%	0.00	0	NA	Increase in vehicle production levels
N949	TOTAL PHOSPHORUS (INCL. CMPDS)	>10 to 100	3	10.1%	0	0	NA	>10 to 100	2	7.4%	0.04	0	9.1%	12.14	2	15.9%	0.00	0	NA	Increase in vehicle production levels
630-08-0	CARBON MONOXIDE	0	0	NA	10-100	-10,301	-16.10%	NA	NA	NA	53.68	-10,301	-16.10%	NA	NA	NA	NA	NA	NA	Revisions to criteria air contaminant assumptions
11104-93-1	NITROGEN OXIDES (expressed as NO2)	0	0	NA	10-100	-0.043	-0.07%	NA	NA	NA	63.22	-0.054	-0.09%	NA	NA	NA	NA	NA	NA	No significant change (i.e. <10%)
NA - M08	PARTICULATE PM2.5	0	0	NA	10-100	6	40.1%	NA	NA	NA	19.42	6	40.1%	NA	NA	NA	NA	NA	NA	Revisions to criteria air contaminant assumptions
NA - M09	PARTICULATE PM10	0	0	NA	10-100	5	50.0%	NA	NA	NA	15.70	5	50.1%	NA	NA	NA	NA	NA	NA	Revisions to criteria air contaminant assumptions
NA - M08	TOTAL PARTICULATE	0	0	NA	10-100	-8,762	-31.09%	NA	NA	NA	19.42	-8,762	-31.09%	NA	NA	NA	NA	NA	NA	Revisions to criteria air contaminant assumptions