FCA
FIAT CHRYSLER AUTOMOBILES

2019
FCA Canada Inc.
Brampton Assembly Plant

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

FIAT CHRYSLER AUTOMOBILES

2019 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: 7/25/2020

1.0 Facility Identification and Information	
NPRI Identification Number:	4173
Ontario Regulation 127/01 ID:	7,203
Name of Parent Company/Owner/Operator:	FCA Canada Inc
Address:	1 Riverside Drive West Windsor, ON N9A 4H6
Percent ownership:	100%
Facility Name:	BRAMPTON ASSEMBLY PLANT
Address:	2000 Williams Parkway Brampton, ON L6S 6B3
Number of Employees:	3,300
NAICS Code:	336110
Public Contact:	Josh Orentlicher
Title:	EHS Lead, Canadian Operations
Telephone Number:	416-805-8227
Facility Location	
Latitude:	43° 45' 10"
Longitude:	79° 42' 50"

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ONTARIO REGULATION 455/09

Certification Statement

Annual Report Certification Statement

Facility: Brampton Assembly Plant

Name: Joe Araujo

Position: Plant Manager

Signature: /s/ Joe Araujo

As of July 24, 2020 I certify that I have read the reports on the toxic substance inventories for:

- 1,2,4Trimethylbenzene (95-63-6)
- 2-Butoxyethanol (111-76-2)
- Butyl acetate; all isomers (NA 41)
- Carbon monoxide (630-08-0)
- Copper; and its compounds (NA 06)
- Diethylene glycol butyl ether (112-34-5)
- Dlimonene (5989-27-5)
- Ethylbenzene (100-41-4)
- Ethylene glycol (107-21-1)
- Heavy aromatic solvent naphtha (64742-94-5)
- Hydrotreated heavy naphtha (64742-48-9)
- Hydrotreated light distillate (64742-47-8)
- i-Butyl Alcohol (78-83-1)
- Isopropyl alcohol (67-63-0)
- Light aromatic solvent naphtha (64742-95-6)
- Methanol (67-56-1)

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Certification Statement

Annual Report Certification Statement (cont'd)

- Methyl isobutyl ketone (108-10-1)
- Methylenebis(phenylisocyanate) (101-68-8)
- N-Butyl Acetate (123-86-4)
- N-Butyl Alcohol (71-36-3)
- Nitrate ion in solution at pH >= 6.0 (NA-17)
- Nitric acid (7697-37-2)
- Nitrogen oxides; expressed as NO2 (11104-93-1)
- N-methyl-2-pyrrolidone (872-50-4)
- Other glycol ethers and acetates; and their isomers (NA-45)
- Phosphorus; total (NA-22)
- PM10 Particulate Matter <= 10 Microns (NA-M09)
- PM2.5 Particulate Matter <= 2.5 Microns (NA-M10)
- Polymeric diphenylmethane diisocyanate (9016-87-9)
- Propyl acetate; all isomers (NA-43)
- Sodium nitrite (7632-00-0)
- Solvent naphtha light aliphatic (64742-89-8)
- Sulphuric acid (7664-93-9)
- Tetrahydrofuran (109-99-9)
- Toluene (108-88-3)
- Total Particulate Matter (NA-M08)
- Trimethylbenzene; all isomers excluding 1,2,4Trimethylbenzene (25551-13-7)
- Xylene; all isomers (1330-20-7)

*Due to reporting system limitations, for the 2018 annual report the TRA Substance List may included new Volatile Organic Compounds (VOCs)
and/or Dioxins and Furans congeners reported to NPRI only.

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***CAS arranged in numeric order*

		USAGE			CREATED			CONTAINER in PRODUCT			RELEASES			DISPOSED			TRANSFERS			
CAS	Chemical Name	Used Current Year	Used Change Tonnes	Used % Change	Created-Current Year	Created Change Tonnes	Created % Change	Contained	Contained Change Tonnes	Contained % Change	Released-Current Year	Released Change Tonnes	Released % Change	Disposed Current Year	Disposed Change Tonnes	Disposed % Change	Transferred	Transferred Change Tonnes	Transferred % Change	Comment Text
0000067-56-1	METHANOL	>100 to 1,000	19	16.98%	0	0	NA	>100 to 1,000	18.51	17.03%	>0 to 1	0.11	22.10%	>0 to 1	0.00	NA	>0 to 1	0.35	NA	Increase in vehicle production levels. Changing customer vehicle colour due to market demands.
0000067-63-0	ISOPROPYL ALCOHOL	>10 to 100	-7	-16.74%	0	0	NA	0	-0.37	NA	>10 to 100	-3.32	-12.27%	>1 to 10	2.94	NA	>1 to 10	3.58	NA	More efficient use of materials.
0000071-36-3	N-BUTYL ALCOHOL	>10 to 100	-2	-2.00%	0	0	NA	0	-0.71	NA	>10 to 100	4.49	12.14%	>10 to 100	14.02	NA	>1 to 10	4.37	NA	
0000078-83-1	ISOBUTYL ALCOHOL	>10 to 100	0	-0.88%	0	0	NA	0	-0.29	NA	>10 to 100	1.29	7.96%	>1 to 10	3.15	NA	>1 to 10	1.97	NA	No significant change (i.e. <10%)
0000095-63-6	1,2,4-TRIMETHYLBENZENE	>10 to 100	0	0.91%	0	0	NA	0	-0.29	NA	>10 to 100	3.32	12.84%	>1 to 10	7.98	NA	>1 to 10	7.65	NA	Increase in vehicle production levels. Changing customer vehicle colour due to market demands.
0000100-41-4	ETHYLBENZENE	>10 to 100	-1	-4.47%	0	0	NA	0	-0.71	NA	>1 to 10	0.46	8.06%	>0 to 1	0.00	NA	>1 to 10	5.25	NA	No significant change (i.e. <10%)
0000101-68-8	4,4'-METHYLENEDIPHENYL DIISOCYANATE	>100 to 1,000	-1	-0.53%	0	0	NA	>100 to 1,000	-0.29	-0.29%	>0 to 1	0	-0.29%	0	0	NA	0	0	NA	
0000107-21-1	ETHYLENE GLYCOL	>1,000 to 10,000	18	1.46%	0	0	NA	>1,000 to 10,000	18.22	1.46%	>0 to 1	0	0.41%	>0 to 1	0.03	NA	0	0	NA	Increase in vehicle production levels. Changing customer vehicle colour due to market demands.
0000108-10-1	METHYL ISOBUTYL KETONE	>10 to 100	0	0.24%	0	0	NA	0	-4.52	NA	>1 to 10	4.31	86.94%	>0 to 1	0.01	NA	>1 to 10	3.51	NA	
0000108-88-3	TOLUENE	>1 to 10	0	-1.91%	0	0	NA	0	-0.29	NA	>1 to 10	0.30	34.11%	0	0	NA	>0 to 1	0.70	NA	No significant change (i.e. <10%)
0000109-99-9	TETRAHYDROFURAN	>0 to 1	0	-6.82%	0	0	NA	0	0	NA	>0 to 1	0.02	5.44%	>0 to 1	0.23	NA	0	0	NA	
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	>100 to 1,000	-6	-5.65%	0	0	NA	0	-0.07	NA	>10 to 100	14.12	25.24%	>10 to 100	10.53	NA	>1 to 10	1.21	NA	Increase in vehicle production levels. Changing customer vehicle colour due to market demands.
0000872-50-4	N-METHYL-2-PYRROLIDONE	>10 to 100	-3	-10.09%	0	0	NA	>1 to 10	0.44	26.86%	>10 to 100	-0.01	-0.07%	>1 to 10	6.91	NA	0	0	NA	
0001330-20-7	XYLENE	>10 to 100	-1	-2.65%	0	0	NA	0	-3.64	NA	>10 to 100	3.58	14.52%	>0 to 1	0.67	NA	>10 to 100	21.04	NA	
0005989-27-5	D-LIMONENE	>0 to 1	0	-19.58%	0	0	NA	0	0	NA	>0 to 1	0.08	27.46%	>0 to 1	0.01	NA	0	0	NA	Increased cleaning products used.
0007632-00-0	SODIUM NITRITE	>10 to 100	3	25.62%	0	0	NA	>10 to 100	0.93	8.81%	0	0	NA	>0 to 1	0.45	NA	0	0	NA	Material reformulation. Increase in vehicle production levels.
0007664-93-9	SULFURIC ACID	>10 to 100	-36	-68.44%	0	0	NA	>10 to 100	-36.42	-78.06%	>0 to 1	-0.01	-64.36%	>1 to 10	3.26	NA	0	0	NA	Decreased cleaning products used.
0007697-37-2	NITRIC ACID	>1 to 10	-3	-30.65%	0	0	NA	-1131.82	1.24	-82.21%	>0 to 1	0.06	638.15%	>1 to 10	1.07	NA	0	0	NA	Material reformulation.
0009016-87-9	POLYMETHYLENE POLYPHENYL ISOCYANATE	>100 to 1,000	-1	-0.64%	0	0	NA	>100 to 1,000	-1.34	-0.64%	>0 to 1	0	-0.64%	0	0	NA	0	0	NA	No significant change (i.e. <10%)
0064742-47-8	ISOPARAFFINIC PETROLEUM DISTILLATE	>1 to 10	-1	-22.26%	0	0	NA	0	0	NA	>1 to 10	-0.57	-19.14%	0	0	NA	0	0	NA	Increased cleaning products used. Increase in vehicle production levels
0064742-48-9	NAPHTHA, HEAVY HYDROTREATED (PETROLEUM)	>10 to 100	-5	-8.60%	0	0	NA	0	0	NA	>10 to 100	1.08	4.34%	>10 to 100	12.48	NA	>0 to 1	0.09	NA	Increase in vehicle production levels. Changing customer vehicle colour due to market demands.
0064742-49-0	ALIPHATIC, LIGHT HYDROCARBON SOLVENT	>0 to 1	0	666.37%	0	0	NA	0	-0.05	NA	>0 to 1	0.37	76536.96%	0	0	NA	0	0	NA	
0064742-94-5	AROMATIC HYDROCARBON MIXTURE >C9	>10 to 100	0	1.14%	0	0	NA	0	0	NA	>10 to 100	1.13	5.51%	>1 to 10	2.71	NA	>1 to 10	1.27	NA	No significant change (i.e. <10%)
0064742-95-6	AROMATIC HYDROCARBON MIXTURE >C9	>10 to 100	2	2.19%	0	0	NA	0	-0.40	NA	>10 to 100	5.93	14.47%	>10 to 100	12.38	NA	>10 to 100	11.47	NA	Increase in vehicle production levels. Changing customer vehicle colour due to market demands.
25551-13-7	TRIMETHYLBENZENE ISOMERS WITHOUT 95-63-6	>10 to 100	1	4.67%	0	0	NA	0	-0.02	NA	>1 to 10	1.28	24.83%	0	0	NA	0	0	NA	
N A-06	COPPER COMPOUNDS	>1 to 10	-9	-51.93%	0	0	NA	>1 to 10	-9.16	-58.40%	>0 to 1	0.19	3321.36%	>0 to 1	0.43	NA	0	0	NA	Increase in vehicle production levels. Changing customer vehicle colour due to market demands.
N A-14	ZINC COMPOUNDS	>10 to 100	5	14.28%	0	0	NA	>10 to 100	2.65	9.74%	>0 to 1	-0.21	-63.64%	>1 to 10	7.19	NA	>0 to 1	0.90	NA	
N A-16	AMMONIA AND AMMONIUM ION COMPOUNDS	>10 to 100	2	16.86%	0	0	NA	>1 to 10	1.03	15.92%	>1 to 10	-0.13	-6.59%	0	0	NA	0	0	NA	Increase in vehicle production levels.
N A-17	NITRATE COMPOUNDS	>10 to 100	-5	-26.77%	0	0	NA	>1 to 10	-2.24	-38.96%	>0 to 1	0.13	NA	>1 to 10	1.03	NA	0	0	NA	
N A-20	NONYLPHENOL, ITS ETHOXYLATES AND DERIVATIVES	>1 to 10	0	4.92%	0	0	NA	>1 to 10	0.34	19.62%	0	0	NA	0	0	NA	0	0	NA	
N A-22	PHOSPHORUS COMPOUNDS	>10 to 100	-7	-10.01%	0	0	NA	>10 to 100	-1.27	-2.61%	>0 to 1	0.00	-16.43%	0	0	NA	0	0	NA	
N A-41	Butyl acetate (all isomers) Except CAS (540-88-5)	>10 to 100	-1	-3.14%	0	0	NA	0	-2.05	NA	>10 to 100	2.35	14.96%	0	0	NA	0	0	NA	Increase in vehicle production levels. Changing customer vehicle colour due to market demands.
N A-43	Propyl acetate (all isomers)	>1 to 10	0	-1.08%	0	0	NA	0	-0.04	NA	>1 to 10	0.17	3.97%	0	0	NA	0	0	NA	
N A-45	NPRI Other Glycol Ethers and Acetates (isomers)	>10 to 100	-1	-3.06%	0	0	NA	>1 to 10	0.21	5.49%	>10 to 100	0.54	4.37%	0	0	NA	0	0	NA	No significant change (i.e. <10%)
0000630-08-0	CO	0	0	NA	>10 to 100	0	-6.59%	0	0	NA	>10 to 100	0	-6.59%	0	0	NA	0	0	NA	
11104-93-1	NOX	0	0	NA	>10 to 100	0	-6.59%	0	0	NA	>10 to 100	0	-6.59%	0	0	NA	0	0	NA	
N A-M08	PM (TOTAL)	0	0	NA	>10 to 100	-2	-11.53%	0	0	NA	>10 to 100	-2	-11.53%	0	0	NA	0	0	NA	Reduced PM due to lower building heating requirement and associated natural gas combustion due to warmer weather conditions.
N A-M09	PM-10 (TOTAL)	0	0	NA	>1 to 10	-2	-20.94%	0	0	NA	>1 to 10	-2	-20.94%	0	0	NA	0	0	NA	
N A-M10	PM-2.5 (TOTAL)	0	0	NA	>1 to 10	0	-3.54%	0	0	NA	>1 to 10	0	-3.54%	0	0	NA	0	0	NA	
N A-M16	VOC	>1,000 to 10,000	853	30.78%	0	0	NA	>1,000 to 10,000	-265.01	-14.62%	>100 to 1,000	-67.22	-12.72%	0	0	NA	0	0	NA	Increase in vehicle production levels. Plant has adopted a new chemical accounting software which provides for a more detailed assessment of chemical fate and transport throughout the production cycle