



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

Honda of Canada Manufacturing

Alliston, Ontario

May 31, 2016



Honda of Canada Mfg. Facility Data

Facility NPR ID	397
O. Reg. 127/01 ID	6172
Facility Owner/Operator	Honda of Canada Mfg. 4700 Industrial Rd. P.O. Box 5000 Alliston, Ontario L9R 1A2
Full Time Employees	4200
NAICS Code	3361
NAICs Canada Code	336110
Facility Public Contact	Maureen Ramsay Facilities Department/Environmental Group (705) 435-5561 ext 2394
Highest Ranking Employee	Tsutomu Morimoto President (705) 435-5561
Facility UTM Coordinates	44.1470,-79.847
Canadian Parent Company	Honda Canada Inc. 180 Honda Blvd. Markham, Ontario L6C 0H9

Accounting information for all substances meeting the reporting threshold for the 2015 Calendar Year is as follows.



Name (CAS RN)	Ethylbenzene (100-41-4)	Ethylene glycol (107-21-1)	Methyl isobutyl ketone (108-10-1)	Propylene glycol monomethyl ether acetate (108-65-6)	Toluene (108-88-3)
Enters Process	100-1000	>1000	1-10	10-100	10-100
Change from 2014	-111.784	41.061	0.137	1.446	-0.448
% Change	-6.2	2.9	1.6	3.6	-3.9
Reason	N/A	N/A	N/A	N/A	N/A
Created	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Contained in Product	0	1000-10000	0	0	0
Change from 2014	0	37.382	0	0	0
% Change	0	2.6	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	34.681	0.059	5.153	34.511	9.473
Change from 2014	-9.037	0.048	0.051	3.857	0.702
% Change	-20.7	434.1	1.0	12.6	8.0
Disposed	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	0	0	0	0	0
Transferred	84.847	3.634	0.306	2.162	0.420
Change from 2014	1.113	3.632	-0.212	-0.891	-0.921
% Change	1.3	>1000	-41.0	-29.2	-68.7
Reason (Release/ Dispose/Transfer)	Spent purge solvent distribution change	Paint formulation change; waste factor revised	Spent purge solvent distribution change	Spent purge solvent distribution change	Spent purge solvent distribution change
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2015. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes

Accounting information for all substances meeting the reporting threshold for the 2015 Calendar Year (continued).



Name (CAS RN)	2-butoxy ethanol (111-76-2)	Ethylene glycol butyl ether acetate (112-07-2)	Diethylene glycol hexyl ether (112-15-2)	Diethylene glycol butyl ether (112-34-5)	N-Butyl acetate (123-86-4)
Enters Process	10-100	10-100	10-100	1-10	10-100
Change from 2014	9.413	-0.820	-1.820	-0.284	-1.381
% Change	18.3	-5.0	-9.1	-3.7	-1.7
Reason	Increased use of paint line cleaner	N/A	N/A	N/A	N/A
Created	1-10	0	0	10-100	0
Change from 2014	-681	0	0	2.413	0
% Change	-8.0	0	0	3.3	0
Reason	N/A	N/A	N/A	N/A	N/A
Contained in Product	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	13.448	10.970	12.685	9.287	58.521
Change from 2014	3.154	-0.181	-1.282	-0.017	1.700
% Change	30.6	-1.6	-9.2	-0.2	3.0
Disposed	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	0	0	0	0	0
Transferred	21.639	0.707	0.807	0.140	8.822
Change from 2014	5.268	-0.209	-0.174	-0.347	-1.943
% Change	32.2	-22.9	-17.8	-71.2	-18.0
Reason (Release/Dispose/Transfer)	Increased use of paint line cleaner	Spent purge solvent distribution change	Product mix	Reduced use of paint line cleaner	Spent purge solvent distribution change
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2015. All values are in tonnes. Reason for change is documented if change is >10%.				



Accounting information for all substances meeting the reporting threshold for the 2015 Calendar (continued).

Name (CAS RN)	Xylene (1330-20-7)	Ethyl acetate (141-78-6)	Formaldehyde (50-00-0)	Propylene glycol butyl ether (5131-66-8)	Hydrotreated light distillate (64742-47-8)
Enters Process	100-1000	10-100	1-10	10-100	1-10
Change from 2014	-53.561	0.208	-0.343	-3.478	-3.671
% Change	-7.0	0.5	-20.6	-10.3	-52.0
Reason	N/A	N/A	Product mix variation	Product mix variation	Processing material change
Created	0	0	<1	<1	0
Change from 2014	0	0	0.310	-0.042	0
% Change	0	0	428.1	-8.0	0
Reason	N/A	N/A	Production change & correction		N/A
Contained in Product	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	204.457	17.927	1.345	17.006	3.369
Change from 2014	-58.153	-0.096	0.101	-2.826	-3.210
% Change	-28.4	-0.5	7.5	-14.3	-48.8
Disposed	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	N/A	N/A	N/A	N/A	N/A
Transferred	532.313	22.001	0.065	1.740	0.025
Change from 2014	7.466	-0.154	-0.009	0.436	-0.461
% Change	1.4	-0.7	-14.2	33.5	-94.8
Reason (Release/ Dispose/Transfer)	Spent purge solvent distribution change		Spent purge solvent distribution change	Spent purge solvent distribution change	Processing material change
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2015. All values are in tonnes. Reason for change is documented if change is >10%.				



Accounting information for all substances meeting the reporting threshold for the 2015 Calendar Year (continued).

Name (CAS RN)	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)	Methanol (67-56-1)
Enters Process	10-100	1-10	10-100	10-100	10-100
Change from 2014	-2.212	-0.615	1.309	3.383	-2.032
% Change	-3.9	-8.0	3.9	3.9	-2.4
Reason	N/A	N/A	N/A	N/A	N/A
Created	0	0	0	0	1-10
Change from 2014	0	0	0	0	-0.659
% Change	0	0	0	0	-8.0
Reason	N/A	N/A	N/A	N/A	N/A
Contained in Product	0	0	0	0	10-100
Change from 2014	0	0	0	0	-2.994
% Change	0	0	0	0	-4.3
Reason	N/A	N/A	N/A	N/A	N/A
Released	12.299	6.774	24.771	66.747	8.207
Change from 2014	2.456	-0.011	1.741	8.468	-0.472
% Change	25.0	-0.2	7.6	14.5	-5.5
Disposed	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	N/A	N/A	N/A	N/A	N/A
Transferred	1.816	0.223	1.595	5.136	7.326
Change from 2014	3.736	-0.548	-1.109	-6.882	1.440
% Change	-53.9	-71.1	-69.5	-57.3	24.5
Reason (Release/ Dispose/Transfer)	Spent purge solvent distribution change	Spent purge solvent distribution change	Spent purge solvent distribution change	Spent purge solvent distribution change	Spent purge solvent distribution change
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2015. All values are in tonnes. Reason for change is documented if change is >10%.				



Accounting information for all substances meeting the reporting threshold for the 2015 Calendar Year (continued).

Name (CAS RN)	Isopropyl alcohol (67-63-0)	n-Butyl alcohol (71-36-3)	Sodium nitrite (7632-00-0)	Hydrochloric Acid (7647-01-0)	Nitric Acid (7697-37-2)
Enters Process	10-100	10-100	10-100	10-100	10-100
Change from 2014	0.587	0.688	0.824	2.784	-2.636
% Change	3.2	1.4	3.7	20.0	-11.7
Reason	N/A	N/A	N/A	Increased equipment cleaning	Timing of maintenance activity
Created	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Contained in Product	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	16.265	36.358	0	0	0
Change from 2014	5.716	1.558	0	0	0
% Change	54.2	4.5	N/A	N/A	N/A
Disposed	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	N/A	N/A	N/A	N/A	N/A
Transferred	1.063	2.472	0	0	0
Change from 2014	-5.656	-1.372	0	0	0
% Change	-84.2	-35.7	N/A	N/A	N/A
Reason (Release/Dispose/Transfer)	Spent purge solvent distribution change	Spent purge solvent distribution change			
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2015. All values are in tonnes. Reason for change is documented if change is >10%.				



Accounting information for all substances meeting the reporting threshold for the 2015 Calendar Year (continued).

Name (CAS RN)	Isobutanol (78-83-1)	Methyl ethyl ketone (78-93-3)	VM&P naphtha (8032-32-4)	Stoddard solvent (8052-41-3)	N-Methyl-2-pyrrolidone (872-50-4)
Enters Process	10-100	10-100	1-10	1-10	10-100
Change from 2014	-1.064	-0.147	-0.938	-0.441	-7.044
% Change	-7.0	-0.9	-20.6	-9.9	-40.7
Reason	N/A	N/A	Normal production mix variation	N/A	Less paint line stripper used
Created	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Contained in Product	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	10.257	5.934	2.774	3.885	4.550
Change from 2014	-0.286	-1.367	-0.462	-0.049	-2.687
% Change	-2.7	-18.7	-14.3	1.3	-37.1
Disposed	0	0	0	0	0
Change from 2014	0	0	0	0	0
% Change	N/A	N/A	N/A	N/A	N/A
Transferred	0.636	10.726	0.172	0.055	4.711
Change from 2014	-0.539	1.238	-0.159	-0.422	-4.389
% Change	-45.9	13.0	-47.9	-88.5	-48.2
Reason (Release/ Dispose/Transfer)	Spent purge solvent distribution change	Spent purge solvent distribution change	Spent purge solvent distribution change	Spent purge solvent distribution change	Less paint line stripper used
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2015. All values are in tonnes. Reason for change is documented if change is >10%.				



Accounting information for all substances meeting the reporting threshold for the 2015 Calendar Year (continued).

Name (CAS RN)	1,2,4-Trimethyl benzene (95-63-6)	Trimethyl benzene isomers (exclude 95-63-6)	Heptane Isomers (**)	Nitrate Ion (**)	Total Phosphorus (**)
Enters Process	10-100	10-100	1-10	0	10-100
Change from 2014	3.623	1.450	2.173	0	-7.086
% Change	8.1	13.8	29.7	0	-21.6
Reason	N/A	Normal product variation	Normal production variation	N/A	Processing material change
Created	0	0	0	10-100	0
Change from 2014	0	0	0	-10.559	0
% Change	0	0	0	-21.3	0
Reason	N/A	N/A	N/A	Material consumption decreased	N/A
Contained in Product	0	0	0	0	1-10
Change from 2014	0	0	0	0	0.944
% Change	0	0	0	0	-19.0
Reason	N/A	N/A	N/A	N/A	Calculation method has large inherent error
Released	34.938	8.758	7.047	0	0
Change from 2014	5.997	1.943	1.852	0	0
% Change	20.7	1.2	35.6	N/A	N/A
Disposed	0	0	0	39.034	0.083
Change from 2014	0	0	0	10.632	0.052
% Change	N/A	N/A	N/A	-21.4	61.9
Transferred	2.551	0.506	0.443	0.073	21.244
Change from 2014	-4.220	-0.842	0.019	0.068	-6.194
% Change	-23.0	-62.5	4.5	93.1	-22.6
Reason (Release/Dispose/Transfer)	Spent purge solvent distribution change	Spent purge solvent distribution change	Normal production variation	Chemical analysis of waste	Calculation method has large inherent error
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2015. All values are in tonnes. Reason for change is documented if change is >10%.				



Accounting information for all substances meeting the reporting threshold for the 2015 Calendar Year (continued)

Name (CAS RN)	Zinc (**)	Nitrogen oxides (as NO2) (**)	PM10 (PM <= 10 microns) (**)	PM2.5 (PM <=2.5 microns) (**)	Carbon monoxide (630-08-0)
Enters Process	>1000	0	0	0	0
Change from 2014	-2.8007	0	0	0	0
% Change	-0.1	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Created	0	10-100	1-10	1-10	10-100
Change from 2014	0	0.751	1.022	0.229	-0.620
% Change	0	-1.4	13.5	4.5	-1.5
Reason	N/A	N/A	Engine production, paint use, cooling towers	N/A	N/A
Contained in Product	>1000	0	0	0	0
Change from 2014	2.548	0	0	0	0
% Change	0.1	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	0.531	51.85	8.574	5.283	41.718
Change from 2014	0.398	-0.751	1.022	0.229	-0.620
% Change	299.2	-1.4	13.5	4.5	-1.5
Disposed	0.149	0	0	0	0
Change from 2014	0.117	0	0	0	0
% Change	365.6	0	0	0	0
Transferred	20.786	0	0	0	0
Change from 2014	-5.856	0	0	0	0
% Change	-22.0	0	0	0	0
Reason (Release/ Dispose/Transfer)	Material changes; engine production increase		Engine production, paint use, cooling towers		
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2015. All values are in tonnes. Reason for change is documented if change is >10%.				

How is Honda of Canada Mfg. reducing our environmental impact?

Utilizing the ISO14001 Environmental Management System, Honda of Canada Mfg. sets targets or implements activities to improve our performance with respect to energy conservation, greenhouse gas emissions, volatile organic compounds (VOC) emissions, and waste generation.

Some examples of initiatives that had positive environmental impacts in 2015 are:

Energy

- Hot water boilers were replaced with state of the art energy efficient models
- A new on-site parts consolidation centre employed upgraded insulation, HVAC and energy controls

VOC

- Improvement in the purge solvent recovery in one paint line resulted in 27 Tonnes of VOC not emitted to air
- New paint applicators reduced the amount of paint overspray, resulting in lower VOC emissions and less solid waste
- Focus on purge solvent management contributed to 49 Tonne reduction in consumption compared to 2014

Waste

- Honda's Logistics group worked with parts suppliers to develop returnable containers and racking to minimize disposable packaging



Certification Statement

As of May 31, 2016, I certify that I have read the reports on the toxic substance reduction plans for the substances listed above 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.

signature on file

Tsutomu Morimoto, President,
Honda of Canada Mfg.