



2014 Toxic Substance Reduction Plan Summary and Annual Report

Toxic Reduction Act, 2009 and Regulation 455/09

Facility Information

NPRIID:	0000000161
Legal Name and address of the owner and the operator of the facility:	Bunge Canada Holdings I ULC 515 Victoria Avenue North P.O.Box 618 Hamilton, Ontario L8N 3K7
Number of full time employees:	121
NAICS Code:	31 3112 311224
Name Position and Telephone number (and address if different from facility) of the following people	
Plan contact	David Stairs, POSE Manager (905) 577-8052
UTM coordinates of the facility	593335 E, 4791579 N, Zone 17
For each parent Company if applicable:	
Legal name	N/A
Street and mailing address	
Percentage ownership	
Business number assigned by the Canadian Customs and Revenue Agency	N/A

Toxic Substance Reduction Plans are required for these substances:

Sulphuric Acid

Nitrogen Oxides

Carbon Monoxide

PM10 (particulate matter <10µm diameter)

Methanol

n-Hexane

Phosphorous

Hexanes (excludes n-hexane)

Particulate matter

PM2.5 (particulate matter <2.5µm diameter)

Formaldehyde

Formaldehyde 50-00-0	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	63.1	61.1	-3%	
Quantity Released to Air	0.021	0.021	0%	
Stack or point releases	0.021	0.021	0%	
Stack or point releases higher than 50m	-	-	-	
Storage or handling releases	-	-	-	
Fugitive releases	-	-	-	
Released within 50m of the ground (fugitive emission, storage emissions or other)	0.021	0.021	0%	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	-	0.000	-	
Quantity Released to Land	-	0.000	-	
Quantity of On-Site Disposal	-	0.000	-	
Quantity of Off-Site Disposal	0.222	0.226	2%	

n-Hexane 110-54-3	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	347.7	342.8	-1%	
Quantity Released to Air	307.0	308.0	0%	
Stack or point releases	43.1	40.8	-5%	
Stack or point releases higher than 50m	43.1	40.8	-5%	
Storage or handling releases	-	-	-	
Fugitive releases	263.9	267.1	1%	
Released within 50m of the ground (fugitive emission, storage emissions or other)	263.9	267.1	1%	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	0.088	0.084	-5%	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	0.140	0.135	-3%	

Methanol 67-56-1	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	24.8	24.1	-3%	
Quantity Released to Air	0.008	0.008	0%	
Stack or point releases	0.008	0.008	0%	
Stack or point releases higher than 50m	-	-	-	
Storage or handling releases	-	-	-	
Fugitive releases	-	-	-	
Released within 50m of the ground (fugitive emission, storage emissions or other)	0.008	0.008	0%	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	-	0.000	-	
Quantity Released to Land	-	0.000	-	
Quantity of On-Site Disposal	-	0.000	-	
Quantity of Off-Site Disposal	0.087	0.089	2%	

Phosphorus NA - 22	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	24.4	34.4	41%	changes in production levels
Quantity Released to Air	-	-	-	
Stack or point releases	-	-	-	
Stack or point releases higher than 50m	-	-	-	
Storage or handling releases	-	-	-	
Fugitive releases	-	-	-	
Released within 50m of the ground (fugitive emission, storage emissions or other)	-	-	-	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	-	-	-	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	-	-	-	

Sulphuric Acid 7664-93-9	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	15.1	12.7	-16%	changes in production levels
Quantity Released to Air	-	-	-	
Stack or point releases	-	-	-	
Stack or point releases higher than 50m	-	-	-	
Storage or handling releases	-	-	-	
Fugitive releases	-	-	-	
Released within 50m of the ground (fugitive emission, storage emissions or other)	-	-	-	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	-	-	-	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	-	-	-	

Carbon monoxide 630-08-0	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	35.3	34.4	-3%	
Stack or point releases	35.3	34.4	-3%	
Stack or point releases higher than 50m	-	-	-	
Storage or handling releases	-	-	-	
Fugitive releases	-	-	-	
Released within 50m of the ground (fugitive emission, storage emissions or other)	-	-	-	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	-	-	-	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	-	-	-	

Nitrogen oxides 11104-93-1	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	42.0	40.9	-3%	
Stack or point releases	42.0	40.9	-3%	
Stack or point releases higher than 50m	-	-	-	
Storage or handling releases	-	-	-	
Fugitive releases	-	-	-	
Released within 50m of the ground (fugitive emission, storage emissions or other)	-	-	-	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	-	-	-	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	-	-	-	

Total PM NA - M08	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	30.7	28.0	-9%	
Stack or point releases	25.6	23.8	-7%	
Stack or point releases higher than 50m	4.2	3.9	-5%	
Storage or handling releases	-	-	-	
Fugitive releases	5.1	4.2	-0.2	
Released within 50m of the ground (fugitive emission, storage emissions or other)	-	-	-	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	-	-	-	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	-	-	-	

PM ₁₀ NA - M09	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	26.0	24.0	-8%	
Stack or point releases	24.9	23.1	-7%	
Stack or point releases higher than 50m	3.5	3.3	-5%	
Storage or handling releases	-	-	-	
Fugitive releases	1.1	0.9	-0.2	
Released within 50m of the ground (fugitive emission, storage emissions or other)	-	-	-	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	-	-	-	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	-	-	-	

PM _{2.5} NA - M10	2013	2014	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	14.3	13.3	-7%	
Stack or point releases	14.1	13.1	-7%	
Stack or point releases higher than 50m	1.8	1.7	-5%	
Storage or handling releases	-	-	-	
Fugitive releases	0.2	0.2	-0.2	
Released within 50m of the ground (fugitive emission, storage emissions or other)	-	-	-	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	-	-	-	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	-	-	-	

Plan Certifications

As of May 29, 2015, I, Kevin Chadwick, certify that I have read the report on the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the information contained in the report is factually accurate and the report complies with the Taxies Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Sulphuric Acid

Nitrogen Oxides

Carbon Monoxide

PM10 (particulate matter <10µm diameter)

Methanol

n-Hexane

Phosphorous

Hexanes (excludes n-hexane)

Particulate matter

PM2.5 (particulate matter <2.5µm diameter)

Formaldehyde



Kevin Chadwick
Plant Manager
Bunge Canada Holdings I ULC