



2013 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	Phosphorous
Nitrogen Oxides	Hexanes (excludes n-hexane)
Carbon Monoxide	Particulate matter
PM10 (particulate matter <10µm diameter)	PM2.5 (particulate matter <2.5µm diameter)
Methanol	Formaldehyde
n-Hexane	

Formaldehyde 50-00-0	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	111.6	63.1	-43%	changes in production levels
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	-	-	-	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	0.377	0.222	-41%	

n-Hexane 110-54-3	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	294.6	347.7	18%	changes in production levels
Quantity Released to Air	241.8	307.0	27%	changes in production levels
Stack or point releases	45.3	43.1	-5%	
Stack or point releases higher than 50m	45.3	43.1	-5%	
Storage or handling releases	-	-	-	
Fugitive releases	196.5	263.9	34%	changes in production levels
Released within 50m of the ground (fugitive emission, storage emissions or other)	196.5	263.9	34%	
Spills	-	-	-	
Other non-point releases	-	-	-	
Quantity Released to Surface Water	0.092	0.088	-5%	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	0.146	0.140	-5%	

Methanol 67-56-1	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	44.0	24.8	-43%	changes in production levels
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	-	-	-	
Quantity Released to Land	-	-	-	
Quantity of On-Site Disposal	-	-	-	
Quantity of Off-Site Disposal	0.148	0.087	-41%	changes in production levels

Phosphorus NA - 22	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	190.0	24.4	-87%	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	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	11.5	15.1	31%	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	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	36.1	35.3	-2%	
Stack or point releases	36.1	35.3	-2%	
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	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	43.0	42.0	-2%	
Stack or point releases	43.0	42.0	-2%	
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	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	27.2	30.7	13%	changes in production levels
Stack or point releases	25.9	25.6	-1%	
Stack or point releases higher than 50m	3.6	4.2	14%	changes in production levels
Storage or handling releases	-	-	-	
Fugitive releases	1.3	5.1	3.0	
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	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	27.2	26.0	-5%	
Stack or point releases	25.9	24.9	-4%	
Stack or point releases higher than 50m	3.6	3.5	-5%	
Storage or handling releases	-	-	-	
Fugitive releases	1.3	1.1	-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	2012	2013	% Change	Reason
Description of Quantities (metric tonnes)				
Quantity Manufactured, Processed, or Otherwise Used (MPO)	-	-	-	
Quantity Released to Air	14.9	14.3	-4%	
Stack or point releases	14.6	14.1	-4%	
Stack or point releases higher than 50m	1.8	1.8	-5%	
Storage or handling releases	-	-	-	
Fugitive releases	0.3	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 April 25, 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