



## Toxics Reduction Plan Summaries

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Required by  
Ontario Toxic Reduction Act (2009)  
Ontario Regulation 455/09

Prepared for:  
**Brampton Brick Limited, Markham**  
455 Rodick Road  
Markham ON, L6G 1B2

Prepared by:  
**Stantec Consulting Ltd.**  
300 – 675 Cochrane Drive west  
Tower  
Markham ON, L3R 0B8

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## Facility Information

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Company Name:	Brampton Brick Limited
Facility Name	Markham Pavers Plant
NPRI Identification No.	11592
Ontario MOE Identification No.	N/A
NAICS 2 Code:	32 Manufacturing
NAICS 4 Code:	3273 Cement and Concrete Product Manufacturing
NAICS 6 Code:	327390 Other Concrete Product Manufacturing
Number of Full Time Employees:	24
UTM Spatial Coordinates (NAD83):	Latitude: 43.8378 ; Longitude: -79.3439
Datum:	1983

### Owner of the Facility Information

Name:	Brampton Brick Limited 225 Wanless Drive, Brampton ON L7A 1E9
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### Operator of the Facility Information

Name:	Markham Pavers Plant 455 Rodick Road Markham ON, L6G 1B2
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### Highest Ranking Employee

Name:	Brad Cobbledick
Title:	Vice President of Technical Services
Address:	Brampton Brick Limited 225 Wanless Drive, Brampton ON L7A 1E9
Phone No.	(905) 840-1011
Fax No.	(905) 840-6126
Email:	<a href="mailto:bcobbledick@bramptonbrick.com">bcobbledick@bramptonbrick.com</a>

### Parent Company Information

Legal Name of Parent Company:	Brampton Brick Limited
Address of Parent Company:	225 Wanless Drive, Brampton ON L7A 1E9
Percentage of Facility Owned by Company:	100%
CCRA Business No.	100621424

**Toxic Substances for Which Facility Must Prepare:**

Substances:	Particulate Matter (less than 10µm) Particulate Matter (less than 2.5µm)
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**Plan Contacts**

Person Coordinating the Preparation of the Plan	Lauren Mulkerns Environmental Manager 225 Wanless Drive, Brampton ON, L7A 1E9 Phone: (905) 840-1011 Fax: (905) 840-6126 <a href="mailto:lmulkerns@bramptonbrick.com">lmulkerns@bramptonbrick.com</a>
Person Who Prepared the Plan	Boris Chen Project Manager, Stantec 300 – 675 Cochrane Drive West Tower, Markham ON, L3R 0B8 Phone: (905) 415-6351 Fax: (905) 474-9889 <a href="mailto:Boris.chen@stantec.com">Boris.chen@stantec.com</a>
Public Contact	Brad Cobbledick Vice President of Technical Services 225 Wanless Drive, Brampton ON, L7A 1E9 Phone: (905) 840-1011 Fax: (905) 840-6126 <a href="mailto:bcobbledick@bramptonbrick.com">bcobbledick@bramptonbrick.com</a>
Technical Contact	Brad Cobbledick Vice President of Technical Services 225 Wanless Drive, Brampton ON, L7A 1E9 Phone: (905) 840-1011 Fax: (905) 840-6126 <a href="mailto:bcobbledick@bramptonbrick.com">bcobbledick@bramptonbrick.com</a>

## Statement of Intent

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The subject substances are not used onsite and they are created in the facility during the production stage as a by-product of raw material handling and production process. Raw materials, including sand, stone, cement, admix and colour are used onsite to make concrete products.

Based on the nature of the facility operation, no toxics reduction options have been identified as feasible for the facility. However, Brampton Bick Ltd. is committed to playing a leadership role in protecting the environment. The company will continue to implement their Quality Management system as part of their standard operating practices, and to conduct testing to evaluate technically and economically feasible options to reduce the creation of the subject toxic substance. Employees in the company are encouraged to participate in all types of toxics use reduction activities.

## Objectives

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Brampton Brick has taken proactive initiatives to reduce the creation and release of toxic substances through inventory management, standard operating practices and spill/leakage prevention programs.

The facility applied emission control means to minimize the generation of dust and prevent potential emissions and leaks of particulate matter during manufacturing processes: enclosed conveying systems, enclosed process areas (building, chambers), dust collection systems are implemented onsite. The company will retain an external contractor to conduct quarterly inspection of dust collectors to prevent any leakage or malfunction of the systems.

In addition to the emission controls, the facility is currently implementing best management practice plans (BMPs) to prevent and control particulate emissions from onsite roads, material storage piles and baghouses. The facility has training on proper handling of materials used in manufacturing process, including Health and Safety training.

Toxics use reduction will be an ongoing effort for Brampton Brick, and the company will continuously improve the inventory management system, the operating practices, and quality and process efficiency, to minimize the scrap quantity and reduce the creation/release of particulate matter from the production processes.

### Particulate Matter (less than 10µm)

Substance Activity	2016 (Current Year)	2015 (Previous Year)	Change from Previous Year	Change from Previous Year (tonnes)	Reason for Change	Reduction Options
Use	0	0	-	-	-	
Created (tonnes)	1.730	1.890	-8.51%	-0.1608	Quantities approximately the same.	No technological or financially feasible options identified.
Released to Air (tonnes)	1.730	1.890	-8.51%	-0.1608		
Released to Water	0	0	-	-	-	
Disposed onsite	0	0	-	-	-	
Disposed offsite	0	0	-	-	-	
Transferred for Recycling	0	0	-	-	-	
Contained in product that leaves the facility	0	0	-	-	-	
Transformed to other substances	0	0	-	-	-	
Destroyed at the facility	0	0	-	-	-	

### Particulate Matter (less than 2.5µm)

Substance Activity	2016 (Current Year)	2015 (Previous Year)	Change from Previous Year	Change from Previous Year (tonnes)	Reason for Change	Reduction Options
Use	0	0	-	-	-	
Created (tonnes)	0.9427	1.034	-8.79%	-0.0908	Quantities approximately the same.	No technological or financially feasible options identified.
Released to Air (tonnes)	0.9427	1.034	-8.79%	-0.0908		
Released to Water	0	0	-	-	-	
Disposed onsite	0	0	-	-	-	
Disposed offsite	0	0	-	-	-	
Transferred for Recycling	0	0	-	-	-	
Contained in product that leaves the facility	0	0	-	-	-	
Transformed to other substances	0	0	-	-	-	
Destroyed at the facility	0	0	-	-	-	


## Plan Certifications

### Particulate Matter (less than 10µm)

**CERTIFICATION BY HIGHEST RANKING EMPLOYEE**

As of December 9, 2013, I, Brad Cobbleddick, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: Particulate matter with less than 10 µm in diameter (PM<sub>10</sub>)


  
 Brad Cobbleddick  
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December 17, 2013  
 Date

**CERTIFICATION BY LICENSED PLANNER**

As of December 9, 2013, I, Ruouou (Boris) Chen certify that I am familiar with the processes at Brampton Brick Limited that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 9, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: Particulate matter with less than 10 µm in diameter (PM<sub>10</sub>)

  
 Ruouou (Boris) Chen (License No. TSRP0239)  
 Project Manager, Environmental Services  
 Stantec  
 300 - 675 Cochrane Drive West Tower  
 Markham ON L3R 0B8  
 Phone: (905) 415-6351  
 boris.chen@stantec.com

December 9, 2013  
 Date

### Particulate Matter (less than 2.5µm)

**CERTIFICATION BY HIGHEST RANKING EMPLOYEE**

As of December 9, 2013, I, Brad Cobbleddick, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: Particulate matter with less than 2.5 µm in diameter (PM<sub>2.5</sub>)


  
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As of December 9, 2013, I, Ruouou (Boris) Chen certify that I am familiar with the processes at Brampton Brick Limited that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 9, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

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December 9, 2013  
 Date