Toxic Substance Reduction Plans Summary
For
Butyl Benzyl Phthalate (CAS # 85-68-7)
Mercury (and its compounds) (CAS# NA-10)
Particulate Matter 2.5 (CAS# NA-M10)
Particulate Matter 10 (CAS# NA-M09)

Unilock Ltd.
2977 Cedar Creek Road
Ayr, Ontario
L6A 0K6

December 6, 2013
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1.0 BASIC FACILITY INFORMATION

Substance Information	
Substance Name	**CAS #**
Butyl Benzyl Phthalate	85-68-7
Mercury (and its compounds)	NA-10
Particulate Matter 2.5 (PM2.5)	NA-M10
Particulate Matter 10 (PM10)	NA-M09
Substances for which other plans have been prepared	**CAS #**
n/a	n/a

Facility Information		
Company Name	Unilock Ltd.	
Facility Address	2977 Cedar Creek Road, Ayr, ON N0B 1E0	
Site Coordinates (main entrance of site)	17 T 543643.18 mE 4797385.19 mN	
NPRI ID	11862	
MOE ID	n/a	
Number of Full-Time Employees in 2012	42	
2-Digit NAICS Code	31-33 - Manufacturing	
4- Digit NAICS Code	3273 - Cement and Concrete Product Manufacturing	
6-Digit NAICS Code	327330 - Concrete Pipe, Brick and Block Manufacturing	
Facility Contact Information		
Public Contact	Mr. Terry Steeves Senior Plant Manager Phone: 519-632-8660 x224 Fax: 519-632-8532	E-mail: terry.steeves@unilock.com Address: Same as facility address

2.0 STATEMENT OF INTENT

Unilock Ltd. is committed to playing a leadership role in protecting the environment. The facility intends on reducing the use and creation of the following toxic substances.

2.1 Butyl Benzyl Phthalate and Mercury (and its Compounds)

The facility has, in fact, already worked with suppliers to find alternative raw materials. In July 2012, the facility began testing various substitute raw materials that would allow the facility to eliminate butyl benzyl phthalate and mercury present in the material used in the production process. The facility had successfully identified an alternate material that is technically and economically feasible for their needs, and thus eliminated the use of butyl benzyl phthalate and mercury since May 2013.

2.2 Particulate Matter (PM2.5 and PM10)

With respect to particulate matter, the facility intends to focus on the reduction of particulate matter created from road dust since road dust is the primary source of particulate matter at the facility.

3.0 OBJECTIVES OF THE PLAN & ANY TARGETS

Unilock Ltd. prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. The objectives of this plan are to assess the technical and economic feasibility of options, if any are identified, and to determine which are viable for implementation.

4.0 DESCRIPTION OF WHY THE TOXIC SUBSTANCE IS USED OR CREATED

4.1 Butyl Benzyl Phthalate and Mercury (and its compounds)

The process related to the use of Butyl Benzyl Phthalate and Mercury (and its compounds) is mould processing. Polyurethane moulds are processed on site. The polyurethane moulds are prepared from a two part mixture of methylene diphenyl diisocyanates (MDI) and butyl benzyl phthalate with a small amount of phenyl mercuric neodecanoate, which contains mercury compound.

4.2 Particulate Matter (PM2.5 and PM10)

Particulate matter is created as a by-product during transportation and handling of aggregate materials. Processes related to the creation of Particulate Matter 2.5 and Particulate Matter 10 include dry mix conveying, blending and mixing, road dust from truck deliveries, and by-products of natural gas combustion for space and domestic hot water heating.

5.0 OPTIONS TO BE IMPLEMENTED (OR STATEMENT THAT NONE ARE TO BE IMPLEMENTED)

As indicated in the statement of intent, this substance is no longer in use.

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6.0 ESTIMATED REDUCTIONS UNDER THE OPTIONS SELECTED (IF ANY)

Not applicable.

7.0 TIMELINES FOR ACHIEVING ESTIMATED REDUCTION (IF ANY)

Not applicable.

8.0 CONTENTS OF THIS PLAN SUMMARY REFLECTS PLAN

This Plan Summary accurately reflects the Toxic Substance Reduction Plans dated November 27, 2013, prepared for the substances listed in Section 1.0 of this Summary.

9.0 COPY OF CERTIFICATIONS

8.0 CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of November 27, 2013, I, Terry Steeves, certify that I have read the toxic substance reduction plan for the toxic substances 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.

Butyl Benzyl Phthalate, Plan Prepared November 27, 2013

Mercury (and its compounds), Plan Prepared November 27, 2013

Particulate Matter 2.5, Plan Prepared November 27, 2013

Particulate Matter 10, Plan Prepared November 27, 2013

Terry Steeves
Senior Plant Manager
Unilock Ltd.

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9.0 CERTIFICATION BY LICENSED PLANNER

As of November 27, 2013, I, Connie Lum certify that I am familiar with the processes at Unilock Ltd. that use the toxic substances 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 toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Butyl Benzyl Phthalate, Plan Prepared November 27, 2013

Mercury (and its compounds), Plan Prepared November 27, 2013

Particulate Matter 2.5, Plan Prepared November 27, 2013

Particulate Matter 10, Plan Prepared November 27, 2013

Connie Lum, TSRP# 0089
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Pinchin Master Report Guide, Ver. 1, May 2007

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