



LANXESS Canada Co./Cie  
West Hill, Ontario

**Annual Toxics Reduction Public Report  
Reporting Year 2017**

December 11, 2018

## INTRODUCTION

LANXESS Canada Co./Cie West Hill manufactures lubricant additives, fuel additives and lubricating greases. In the process of producing these chemicals, some substances used fall under the toxic reduction act, therefore reduction plans were generated to ensure efficient use of these substances with minimal environmental impact.

As per Ontario's *Toxics Reduction Act and Regulation (O. Reg. 455/09)*, reduction plans were generated for the following substances:

Phase 1 -     Methanol  
                  Sulphuric Acid  
                  VOCs

Phase 2 -     PM 2.5  
                  PM 10  
                  Naphtha  
                  Isopropyl Alcohol

These substance reduction plan summaries have been prepared to meet the regulatory requirements under Section 27(1) of Ontario Regulation 455/09.

As of December 11, 2018, I certify that I have read the report on the toxic substance reduction plans for the substances listed above. I am familiar with their contents and to my knowledge the information contained within the report is factually accurate and complies with the Toxics Reduction Act 2009 and Ontario Regulation 455/09 (general) made under the Act.



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Lino Carrillo  
Plant Manager

## **COMPANY INFORMATION**

West Hill Facility  
565 Coronation Drive  
West Hill, ON M1E 2K3

National Pollutant Release Inventory (NPRI) identification number: 0000003553

Number of full-time employee equivalents: 86

North American Industry Classification System (NAICS) codes:  
2 digit - 32  
4 digit - 3251  
6 digit - 325189

Spatial coordinates in Universal Transverse Mercator (UTM) within a North American Datum 83 (NAD83):  
17-647825-4847189

## **PUBLIC CONTACT**

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METHANOL

CAS # 67-56-1

	2016 (tonnes)	2017 (tonnes)	% (2017- 2016)
Use	100 - 1000	100 - 1000	1
Created	0	0	0
In Product	1 - 10	1 - 10	52
Release to air	100 - 1000	100 - 1000	26
Disposed of offsite	0 - 1	1 - 10	267
Offsite for Treatment	10 - 100	10 - 100	123
Offsite for recycled	0	0	0

**Reduction options:**

- Spill & leak prevention
- Improved inventory or purchasing techniques
- Training or improved operating practices

**Summary of steps taken during the previous calendar year to implement the plan and a summary of the reductions achieved as a result of the steps taken.**

None

**Summary of additional actions taken during the previous calendar year that impacted the substance, and a summary of the steps and reductions achieved as a result of those actions.**

None

**Summary of differences between steps taken and those set out in the plan.**

None

**Description of amendments to the plan.**

None

SULPHURIC ACID

	2016 (tonnes)	2017 (tonnes)	% (2017-2016)
Use	1000 - 10000	1000 - 10000	3
Created	0	0	0
In Product	0	0	0
Release to air	0 - 1	0 - 1	0
Disposed of offsite	0	0	0
Offsite for Treatment	0	0 - 1	100
Offsite for recycled	1000 - 10000	1000 - 10000	3

**All Options in Plan fully completed.**

**MOECC completed full inspection of this plan and its contents in 2016 and found to be fully complete.**

**No Further actions at this time for this material.**

PM 2.5

CAS # NA - M10

	2016 (tonnes)	2017 (tonnes)	% (2017- 2016)
Use	0	0	0
Created	0 - 1	0 - 1	-13.909
In Product	0	0	0
Release to air	0 - 1	0 - 1	-13.909
Disposed of offsite	0	0	0
Offsite for Treatment	0	0	0
Offsite for recycled	0	0	0

**Reduction options:**

- On-site reuse or recycling
- Training or improved operating practices

**Summary of steps taken during the previous calendar year to implement the plan and a summary of the reductions achieved as a result of the steps taken.**

- Training or improved operating practices: started project to minimize loss to environment

**Summary of additional actions taken during the previous calendar year that impacted the substance, and a summary of the steps and reductions achieved as a result of those actions.**

None

**Summary of differences between steps taken and those set out in the plan.**

None

**Description of amendments to the plan.**

None

PM 10

CAS # NA - M09

	2016 (tonnes)	2017 (tonnes)	% (2017- 2016)
Use	0	0	0
Created	0 - 1	0 - 1	-13.981
In Product	0	0	0
Release to air	0 - 1	0 - 1	-13.981
Disposed of offsite	0	0	0
Offsite for Treatment	0	0	0
Offsite for recycled	0	0	0

**Reduction options:**

- On-site reuse or recycling
- Training or improved operating practices

**Summary of steps taken during the previous calendar year to implement the plan and a summary of the reductions achieved as a result of the steps taken.**

- Training or improved operating practices: started project to minimize loss to environment

**Summary of additional actions taken during the previous calendar year that impacted the substance, and a summary of the steps and reductions achieved as a result of those actions.**

None

**Summary of differences between steps taken and those set out in the plan.**

None

**Description of amendments to the plan.**

None

Solvent naphtha  
light aliphatic

	2016 (tonnes)	2017 (tonnes)	% (2017- 2016)
Use	100 - 1000	100 - 1000	18.1929
Created	0	0	0
In Product	10 - 100	10 - 100	52.4974
Release to air	10 - 100	10 - 100	-23.072
Disposed of offsite	10 - 100	10 - 100	-35.114
Offsite for Treatment	0	10 - 100	100
Offsite for recycled	100 - 1000	100 - 1000	11.2923

**Reduction options:**

- Product Design or Reformulation
- Equipment or Process Modification
- On-site reuse or recycling
- Training or improved operating practices

**Summary of steps taken during the previous calendar year to implement the plan and a summary of the reductions achieved as a result of the steps taken.**

Equipment or Process Modification: optimized operation of equipment to fully utilize equipment that is efficient are removal of material and minimized use of equipment that is not efficient ate recover and reuse of material.

**Summary of additional actions taken during the previous calendar year that impacted the substance, and a summary of the steps and reductions achieved as a result of those actions.**

None

**Summary of differences between steps taken and those set out in the plan.**

None

**Description of amendments to the plan.**

None



## Isopropyl Alcohol

	2016 (tonnes)	2017 (tonnes)	% (2017- 2016)
Use	100 - 1000	100 - 1000	62.6913
Created	0	0	0
In Product	100 - 1000	100 - 1000	37.1976
Release to air	0 - 1	0 - 1	33.5664
Disposed of offsite	0	0	0
Offsite for Treatment	0	0	0
Offsite for recycled	10 - 100	100 - 1000	41.4195

### Reduction options:

- Equipment or Process Modification
- Leak Prevention
- On-site Reuse or Recycling
- Training or Improved Operating Practices
- Improved Inventory Techniques

### Summary of steps taken during the previous calendar year to implement the plan and a summary of the reductions achieved as a result of the steps taken.

- Leak Prevention: utilization of pails for end of hoses and sampling points.

### Summary of additional actions taken during the previous calendar year that impacted the substance, and a summary of the steps and reductions achieved as a result of those actions.

None

### Summary of differences between steps taken and those set out in the plan.

None

### Description of amendments to the plan.

None