

Toxic Substance Reduction Plan

Summary

**Fleet Canada Inc.
1011 Gilmore Rd.
Fort Erie, ON
L2A 5M4**

Toxic Substance Reduction Plan for 2014

Plan Summary Statement

This plan summary reflects the content of the toxic substance reduction plan for Methyl Ethyl Ketone (MEK) prepared for Fleet Canada Inc., dated June 28th, 2017.

Facility Information

Facility Name		Fleet Canada	
NPRI Identification Number		0000004990	
Number of Full-time Employees		160	
NAICS Code			
Two Digit:	33	Four Digit:	3364
		Six Digit:	336410
UTM Spatial Coordinates			
UTM Spatial Coordinates		Datum	
Easting:	666992.4	NAD83	
Northing:	4753890.7		

Facility Owner / Operator Information

Name	Glenn Stansfield
Phone Number	(289) 241-1885
Fax Number	(905) 871-1808
E-mail	gstansfield@fleet.ca
Address	1011 Gilmore Rd., Fort Erie, ON, L2A 5M4

Public / Technical Contact

	Public Contact / Person Coordinating the Preparation of the Plan	Technical Contact / Person Who Prepared the Plan
Name	Caitlin Zack	Fil Barillaro P.Eng. QP & Robert Wade B.A.Sc
Position	Assistant Manager of Quality Assurance	Plan Preparers
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Address	1011 Gilmore Rd., Fort Erie, ON, L2A 5M4	16 Walnut Street, St. Catharines ON L2M 7P3

Parent Company Information

- This facility does not have a parent company.

Toxic Substance for Which Facility Must Prepare A Plan & Description Substance:

- (covered by this plan)*: Methyl Ethyl Ketone (MEK), CAS Number: 78-93-3

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Fleet manufactures fabricated aluminum and composite aircraft components. Stages at the Facility relating to the use and air release of MEK include Painting, Adhesives and Sealant application, Bonding, and Miscellaneous/Cleaning operations.

Statement of Intent and Objective of the Plan

MEK is used as a solvent in various processes at Fleet Canada Inc. (Fleet). Fleet intends to reduce the use of MEK at their Gilmore Road Facility, in Fort Erie, where possible, through product substitution, new equipment and employee training programs. Furthermore, this plan will determine the technical and economic feasibility of reduction options to determine which, if any, are viable for implementation. While Fleet's goal is to make reductions where possible, there are no quantitative MEK reduction targets.

The use of MEK is accounted for through engineering and mass balance calculations, which are based on Facility purchasing and individual processes / operations. Facility-wide amounts of MEK, for which this report has been prepared, are presented below:

- Creation of MEK: 0 MT
- Purchase / Use of MEK: 1.36 MT
- Disposal / Transfer of MEK: 0 MT
- On site air releases of MEK: 1.36 MT

Toxic Substance Reduction Options to be Implemented

To reduce the air release of MEK from the Facility, Fleet plans to implement the three options mentioned above. Since the implementation of these options is expensive to Fleet, it is beneficial to implement them in stages.

Equipment or Process Modifications; Time Table for Implementation

Step	Description	Estimated Timeline
1	Obtain approvals to purchase new HVLP spray guns	2 months
2	Purchase new HVLP guns for each operator	2 months
3	Train spray operators to properly understand how to use a HVLP gun and its benefits	1 month

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Category 3 – Equipment or Process Modifications; Time Table for Implementation

Step	Description	Estimated Timeline
1	Obtain approvals to switch to a heavier use of DS109	2 months
2	Allow for current stock levels of MEK to be deplete	6 months
3	Phase in the use of DS109 for the purpose of cleaning	1 month

Category 7 – Employee Training; Time Table for Implementation

Step	Description	Estimated Timeline
1	Obtain approval and create schedule for employee training session	2 months
2	Train all employees in each role	1 month

Summary – Facility Level Quantifications for MEK

Form of Involvement	MEK Released Before Reduction Options (MT/yr)	MEK Released After Implementation of Reduction Options (MT/yr)
Enters the Facility	1.36	0.88
Created at the Facility	0	0
Released (air) from the Facility	1.36	0.88
Destroyed at the Facility	0	0



9.0 Plan Confirmation for Methyl Ethyl Ketone

As of June 28, 2017, I, Glenn Stansfield, confirm that I have read the toxic substance reduction plan for the toxic substance referred to below and I 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.

[Methyl Ethyl Ketone (MEK)] – CAS. 78-93-3



Glenn Stansfield
President (Highest Ranking Employee)
Fleet Canada

June 29, 2017
Date

As of June 28, 2017, I, Fil Barillaro confirm that I am familiar with the processes at Fleet Canada that use or release 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 June 20, 2017 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act with the exclusion of the Regulatory deadline.

[Methyl Ethyl Ketone (MEK)] – CAS. 78-93-3




Fil Barillaro, M.A.Sc., P.Eng., O.P.
Principal, Oakhill Environmental Consultants
Toxic Substance Reduction Planner
Certification Number: TSRP0233

June 29, 2017
Date