

Updated: May 2016

General Information

Canadian Parent Company

Legal name	Moore Canada Corporation dba RR Donnelley
% owned by parent	100%
CCRA business number	120906755

Facility Information

Number of full-time equivalent employees	152
NAICS	323119 Other Printing
NPRI ID	5531 (Assigned by Environment Canada)
UTM NAD83 coordinates (entrance)	633080, 482776

Facility Address
MIL, an RR Donnelley Plant
180 Bond Ave
Toronto, ON M3B 3P3

Highest ranking employees
John Burke (previous)
Martin Kneis (previous)

Mario Raposo (current)
Director of Operations
(416) 445-8800
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Person who coordinated preparation of plan
Zachary Perrier
EHS Lead
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Person who prepared plan
Wendy Nadan
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Statement of Intent

RR Donnelley is committed to minimize the Environmental impact to our employees, facilities, and communities in which we do business. RR Donnelley strives to continuously improve global EHS performance by utilizing practices that protect employees and the environment, including reducing the quantity of emissions, developing opportunities for recycling and pollution prevention and using paper, energy, and other resources more efficiently

Substance Details

Substances included in Phase I that trigger reporting

Substance	CAS #
Hydrotreated light distillate	64742-47-8
Ethanol	64-17-5

Accounting Details 2012

Substance	Accounting Quantities (tonnes)	
	Use	Created
Hydrotreated light distillate	22.959	0
Ethanol	1.294	0

Substance Use

Hydrotreated light distillate (64742-47-8) is found in blanket wash Varn A-230. It's formulated to clean modern rubber compounds and will not harm the elastomers or synthetic ingredients used in blanket and roller manufacturing. The lithographic printing presses are cleaned both using automatic blanket washers and manually. Cleaning is required to remove build up of paper dust and ink to maintain printing quality.

Ethanol (64-17-5) is found in Zap Metering Roller Cleaner. Zap contains no methylene chloride , and is used for manually cleaning continuous dampening systems and other dampening rollers.

Objective

RR Donnelley has prepared a toxic substance reduction plan for VOC's to investigate options to reduce the usage of VOCs while supplying customers with products that meet their needs. Employees will be trained to use the appropriate solvent for the cleaning task being undertaken, example using the blanket wash solvent vs. meter roller cleaner. Reduction in usage of solvent ethanol (64-17-5) is targeted at 1% by reducing the total use of meter roller cleaner.

RR Donnelley MIL is also pursuing the option of recycling used blanket wash off site in 2014. Although this does not reduce usage of solvent or emissions to air it does minimize use of natural resources. The facility will continue to assess print jobs for the most economic production method based on customer expectations such as offset vs. digital, and run those jobs that are suitable digitally. In addition, VOC emissions from the heatset press are treated in an oxidizer to protect local and regional air quality.

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Options that will be Implemented

Training operators to use the appropriate wash is easy and requires no capital expenditure. Although reduction in usage and emissions is expected to be modest (1%), this option will be implemented. Training will occur in first quarter 2014.

Although on site recycling of used solvent appears to be economically feasible, it will introduce a new process and require different skills to those required for printing. There are also safety concerns with regard to fire risk of this equipment. Hence this option will not be implemented.

Plan Summary Statement

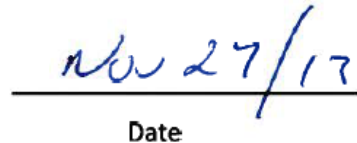
This plan summary accurately reflects the content of the toxic substance reduction plan for prepared by Nadan Consulting Ltd dated November 2013.

Certification

As of December 12, 2013, I, John Burke, certify that I have read the toxic substance reduction plan for VOCs 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.



John Burke, General Manager



Date

As of November 27, 2013, I, Wendy Nadan certify that I am familiar with the processes at RR Donnelley MIL that uses VOCs, 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 November 27, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.



Wendy Nadan, Toxic Substance Reduction Planner

November 27, 2013

Date

Updated: May 2016

May 2016 Update

As reported annually to the National Pollution Release Inventory (Canada)
Note: No reporting substances are created within the facility.

Comparison Report – Use Only (Tonnes)

Substance	Substance Used					
	2012	2013	2014	2015	Change	Change %
Hydrotreated light distillate	22.959	23.705	26.691	26.870	.180	.67%
Ethanol	1.294	1.807	1.807	1.807	0.00	0.00%

Reasons for change: None, quantities approximately the same.

Comparison Report - On-Site Releases (Tonnes)

Substance	On-Site Releases					
	2012	2013	2014	2015	Change	Change %
Hydrotreated light distillate	2.756	5.572	8.747	6.696	-2.051	-23.45%
Ethanol	1.294	1.807	1.807	1.807	0.00	0.00%

Reasons for change: Changes in equipment production levels and off site transfers for recycling blanket wash impacts on-site-releases. Certain equipment allows for better control of emissions.

The amount of both substances as a component within each product used (A230 Blanket Wash & ZAP Metering Roller Cleaner) has not changed from 2012 -2015.

Toxic reductions plan implementation timeline:

The initiatives slated to begin in Q1 2014 have been completed as per the timelines set in the Toxics Reductions Plan dated November 2013. All objectives slated for 2014 were completed including off-site recycling of blanket wash which minimizes use of natural resources by the facility.

Certification – Update May 2016

As of May 30,2016, I, Mario Raposo, certify that I have read the toxic substance reduction plan for VOCs 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.

May 30, 2016

Mario Raposo, Director of Operations

Date