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Report Preview

Report Details

Report Year
2016

Report Type:
NPRI,ON MOE TRA

Report Status:
Update 1 - Submitted

Modified Date/Time:
23/08/2017 4:50 PM

Report Update Comments:
To correct error in entry for heptane which was released in 2015 was not used in 2016 and to enter an exit record for this contaminant.

Company and Facility Details

Company Name:
Vacuum Metallizing Ltd.

Business Number:
105468771

Mailing Address:
Delivery Mode: GeneralDelivery
Address Line 1: 30 Dovedale Court
City, Province/Territory, Postal Code: Toronto Ontario M5M4G2
Country: Canada

Facility Name:
VACUUM METALLIZING LIMITED
NAICS Code:
332810
NPRI ID:
7102
ON Reg 127/01 ID:
179901
Physical Address:
Address Line 1: 30 Dovedale Court
City, Province/Territory, Postal Code: Scarborough Ontario M1S5A7
Country: Canada
Latitude: 43.79580
Longitude: -79.24590
UTM Zone: 17
UTM Easting: 641083
UTM Northing: 4850698

Permits

Number or Permit Number:
3538-75DKEM
Government Department, Agency, or Program Name:
Ministry of the Environment of Ontario

Contacts Details

Contact Type
Technical Contact, Certifying Official, Company Coordinator, Highest Ranking Employee, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan, Public Contact
Name:
Jeffrey Sugar
Position:
President
Telephone:
4167543377
Fax:
4167548077
Email:
jsugar@vacuummetallizing.ca

General Information

Number of employees:
23
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:
None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene:
None of the above
Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):
Wood preservation using creosote: No
Is this the first time the facility is reporting to the NPRI (under current or past ownership):
No
Is the facility controlled by another Canadian company or companies:
No
Did the facility report under other environmental regulations or permits:
Yes
Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants):
Yes
Was the facility shut down for more than one week during the year:
Yes
Operating Schedule - Days of the Week:
Mon, Tue, Wed, Thu, Fri
Usual Number of Operating Hours per day:
9
Usual Daily Start Time (24h) (hh:mm):
07:00

Shutdown Periods:

From 2016-07-25 To 2016-08-05

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
78-93-3	Methyl ethyl ketone	1.5260	N/A	N/A	N/A	tonnes
108-10-1	Methyl isobutyl ketone	2.6400	N/A	N/A	N/A	tonnes
108-10-1	Methyl isobutyl ketone	2.6400	N/A	N/A	N/A	tonnes
71-36-3	n-Butyl alcohol	1.0130	N/A	N/A	N/A	tonnes
108-88-3	Toluene	0.2620	N/A	N/A	N/A	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	26.3000	12.6650	N/A	N/A	tonnes
1330-20-7	Xylene (all isomers)	1.7140	N/A	N/A	N/A	tonnes

Applicable Programs

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
78-93-3	Methyl ethyl ketone	Yes	Yes		No
108-10-1	Methyl isobutyl ketone	Yes	Yes		No
71-36-3	n-Butyl alcohol	Yes	Yes		Yes
108-88-3	Toluene	No	No		No
NA - M16	Volatile Organic Compounds (VOCs)	Yes	Yes		No
1330-20-7	Xylene (all isomers)	Yes	Yes		No

Applicable Programs - Comments

CAS RN	Substance Name	Comments
108-88-3	Toluene	Facility expects to stay below 1 tonne reporting limit due to reduction in the use of Toluene for thinning paint.

An error occurred while rendering the 'TRA Exit Record' section.

General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all 1 tonne or more of a Part 5 Substance (Speciated media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
78-93-3	Methyl ethyl ketone	Yes	No	No
108-10-1	Methyl isobutyl ketone	Yes	No	No
71-36-3	n-Butyl alcohol	Yes	No	No
108-88-3	Toluene	Yes	Yes	No
NA - M16	Volatile Organic Compounds (VOCs)		No	Yes
1330-20-7	Xylene (all isomers)	Yes	No	No

General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal	Is the facility required to report on disposals of tailings and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
78-93-3	Methyl ethyl ketone	No	No	No
108-10-1	Methyl isobutyl ketone	No	No	No
71-36-3	n-Butyl alcohol	No	No	No
108-88-3	Toluene	No	No	No
NA - M16	Volatile Organic Compounds (VOCs)			
1330-20-7	Xylene (all isomers)	No	No	No

General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
78-93-3	Methyl ethyl ketone			As a physical or chemical processing aid
108-10-1	Methyl isobutyl ketone		As a formulation component	As a physical or chemical processing aid
71-36-3	n-Butyl alcohol	For on-site use/processing	As a formulation component	As a physical or chemical processing aid As a manufacturing aid
108-88-3	Toluene	For on-site use/processing		
NA - M16	Volatile Organic Compounds (VOCs)			
1330-20-7	Xylene (all isomers)			As a physical or chemical processing aid

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
78-93-3	Methyl ethyl ketone	Use	1.526 tonnes	No
78-93-3	Methyl ethyl ketone	Creation	0 tonnes	No
78-93-3	Methyl ethyl ketone	Contained in Product	0 tonnes	No
108-10-1	Methyl isobutyl ketone	Use	2.64 tonnes	No
108-10-1	Methyl isobutyl ketone	Creation	0 tonnes	No
108-10-1	Methyl isobutyl ketone	Contained in Product	0 tonnes	No
71-36-3	n-Butyl alcohol	Use	1.013 tonnes	No
71-36-3	n-Butyl alcohol	Creation	0 tonnes	Yes
71-36-3	n-Butyl alcohol	Contained in Product	0 tonnes	No
NA - M16	Volatile Organic Compounds (VOCs)	Use	26.3 tonnes	No
NA - M16	Volatile Organic Compounds (VOCs)	Creation	0 tonnes	No
NA - M16	Volatile Organic Compounds (VOCs)	Contained in Product		
1330-20-7	Xylene (all isomers)	Use	1.714 tonnes	No
1330-20-7	Xylene (all isomers)	Creation	0.0 tonnes	No
1330-20-7	Xylene (all isomers)	Contained in Product	0.0 tonnes	No

TRA Quantifications - VOC Breakdown List

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity
64742-48-9	Hydrotreated heavy naphtha	Use	1.91 tonnes
108-10-1	Methyl isobutyl ketone	Use	2.640 tonnes
64742-89-8	Solvent naphtha light aliphatic	Use	2.554 tonnes
64742-89-8	Solvent naphtha light aliphatic	Creation	0.0 tonnes
8032-32-4	VM and P naphtha	Use	2.059 tonnes
1330-20-7	Xylene (all isomers)	Use	1.714 tonnes

TRA Quantifications - Total Speciated VOCs

Use, Creation, Contained in Product	Quantity
Use	10.877 tonnes
Creation	0.0 tonnes

TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Description of how an incident(s) affected quantifications	Significant Process Change
78-93-3	Methyl ethyl ketone					No
108-10-1	Methyl isobutyl ketone					No
71-36-3	n-Butyl alcohol					No
NA - M16	Volatile Organic Compounds (VOCs)					No
1330-20-7	Xylene (all isomers)					No

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
78-93-3	Methyl ethyl ketone	Stack or Point Releases	C - Mass Balance		1.526 tonnes
108-10-1	Methyl isobutyl ketone	Stack or Point Releases	C - Mass Balance		2.64 tonnes
71-36-3	n-Butyl alcohol	Stack or Point Releases	C - Mass Balance		1.013 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Stack or Point Releases	C - Mass Balance		26.3 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Other Sources - Speciated VOCs	NA - Not Applicable		26.3 tonnes
1330-20-7	Xylene (all isomers)	Stack or Point Releases	C - Mass Balance		1.714 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
78-93-3	Methyl ethyl ketone	1.526 tonnes
108-10-1	Methyl isobutyl ketone	2.64 tonnes
71-36-3	n-Butyl alcohol	1.013 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	26.3 tonnes
1330-20-7	Xylene (all isomers)	1.714 tonnes

On-site Releases - Releases to air - VOC Breakdown List

Category	CAS RN	Substance Name	Quantity
Other Sources - Speciated VOCs	64742-48-9	Hydrotreated heavy naphtha	1.91 tonnes
Other Sources - Speciated VOCs	78-93-3	Methyl ethyl ketone	1.526 tonnes
Other Sources - Speciated VOCs	108-10-1	Methyl isobutyl ketone	2.640 tonnes
Other Sources - Speciated VOCs	64742-89-8	Solvent naphtha light aliphatic	2.554 tonnes
Other Sources - Speciated VOCs	108-88-3	Toluene	0.262 tonnes
Other Sources - Speciated VOCs	8032-32-4	VM and P naphtha	2.059 tonnes
Other Sources - Speciated VOCs	1330-20-7	Xylene (all isomers)	1.714 tonnes

Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
108-88-3	Toluene	Total Quantity Released	C - Mass Balance		0.262 tonnes

On-site Releases - Total

CAS RN	Substance Name	Total releases
78-93-3	Methyl ethyl ketone	1.526 tonnes
108-10-1	Methyl isobutyl ketone	2.64 tonnes
71-36-3	n-Butyl alcohol	1.013 tonnes
1330-20-7	Xylene (all isomers)	1.714 tonnes

On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
78-93-3	Methyl ethyl ketone	27	29	21	23
108-10-1	Methyl isobutyl ketone	27	29	21	23
71-36-3	n-Butyl alcohol	27	29	21	23
108-88-3	Toluene	27	29	21	23
1330-20-7	Xylene (all isomers)	27	29	21	23

On-site Releases - Monthly Breakdown of Annual Releases

CAS RN	Substance Name	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
NA - M16	Volatile Organic Compounds (VOCs)	9	9	9	9	10	10	8	5	8	8	8	7

On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities from Previous Year	Comments
108-10-1	Methyl isobutyl ketone	Changes in production levels Other (specify in On-site Releases comment field)	Substitution of MIBK for alternative solvent when thinning paints
108-88-3	Toluene	Other (specify in On-site Releases comment field)	Change in thinners in paint formulations. Toluene has been replaced with other thinners.
1330-20-7	Xylene (all isomers)	Other (specify in On-site Releases comment field)	Substituted xylene for other paint thinners
71-36-3	n-Butyl alcohol	Other (specify in On-site Releases comment field)	Introduced as alternative paint thinner
78-93-3	Methyl ethyl ketone	Changes in production levels Other (specify in On-site Releases comment field)	Substitution of alternate solvent for MEK as thinner in paint formulations.
NA - M16	Volatile Organic Compounds (VOCs)	Changes in production levels Other (specify in On-site Releases comment field)	Changes in paint formulations

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
108-10-1	Methyl isobutyl ketone		Changes in production levels Other (specify in On-site Releases comment field)	Substitution of solvents used to thin paints.
108-88-3	Toluene		No significant change (i.e. < 10%) or no change	
1330-20-7	Xylene (all isomers)		No significant change (i.e. < 10%) or no change	
71-36-3	n-Butyl alcohol		No significant change (i.e. < 10%) or no change	
78-93-3	Methyl ethyl ketone		No significant change (i.e. < 10%) or no change	

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
108-10-1	Methyl isobutyl ketone		No significant change (i.e. < 10%) or no change	
108-88-3	Toluene		No significant change (i.e. < 10%) or no change	
1330-20-7	Xylene (all isomers)		No significant change (i.e. < 10%) or no change	
71-36-3	n-Butyl alcohol		No significant change (i.e. < 10%) or no change	
78-93-3	Methyl ethyl ketone		No significant change (i.e. < 10%) or no change	

Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
64742-48-9	Hydrotreated heavy naphtha	Yes	Enters the facility (Use)	1.91 tonnes	1.56 tonnes	2015	0.35	22.44
78-93-3	Methyl ethyl ketone	No	Enters the facility (Use)	1.526 tonnes	2.66 tonnes	2015	-1.134	-42.63
78-93-3	Methyl ethyl ketone	No	Creation	0 tonnes	0 tonnes	2015	0	
78-93-3	Methyl ethyl ketone	No	Contained in Product	0 tonnes	0 tonnes	2015	0	
108-10-1	Methyl isobutyl ketone	No	Enters the facility (Use)	2.64 tonnes	4.62 tonnes	2015	-1.98	-42.86
108-10-1	Methyl isobutyl ketone	No	Creation	0 tonnes	0 tonnes	2015	0	
108-10-1	Methyl isobutyl ketone	No	Contained in Product	0 tonnes	0 tonnes	2015	0	
108-10-1	Methyl isobutyl ketone	Yes	Enters the facility (Use)	2.640 tonnes	4.46 tonnes	2015	-1.820	-40.81
64742-89-8	Solvent naphtha light aliphatic	Yes	Enters the facility (Use)	2.554 tonnes	2.64 tonnes	2015	-0.086	-3.26

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
64742-89-8	Solvent naphtha light aliphatic	Yes	Creation	0.0 tonnes	0.0 tonnes	2015	0.0	
8032-32-4	VM and P naphtha	Yes	Enters the facility (Use)	2.059 tonnes	2.07 tonnes	2015	-0.011	-0.53
1330-20-7	Xylene (all isomers)	No	Enters the facility (Use)	1.714 tonnes	3.374 tonnes	2015	-1.660	-49.20
1330-20-7	Xylene (all isomers)	No	Creation	0.0 tonnes	0.0 tonnes	2015	0.0	
1330-20-7	Xylene (all isomers)	No	Contained in Product	0.0 tonnes	0.0 tonnes	2015	0.0	
1330-20-7	Xylene (all isomers)	Yes	Enters the facility (Use)	1.714 tonnes	3.38 tonnes	2015	-1.666	-49.29

Comparison Report - Enters, Creation, Contained in Product : Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
78-93-3	Methyl ethyl ketone	Increase in production levels Other	Replacement of MEK with other solvent for use as thinner in paint formulation.
108-10-1	Methyl isobutyl ketone	Decrease in production levels Other	Substitution of solvents as thinners in paint formulations
NA - M16	Volatile Organic Compounds (VOCs)	No reasons - quantities approximately the same Decrease in production levels Other	Change in paint formulations
1330-20-7	Xylene (all isomers)	Other	Substituted xylene for other paint thinners when possible

Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
64742-48-9	Hydrotreated heavy naphtha	Yes	Total Releases to Air	1.91 tonnes	1.56 tonnes	2015	0.35	22.44
78-93-3	Methyl ethyl ketone	No	Total Releases to Air	1.526 tonnes	2.66 tonnes	2015	-1.134	-42.63
78-93-3	Methyl ethyl ketone	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
78-93-3	Methyl ethyl ketone	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
78-93-3	Methyl ethyl ketone	No	Total Releases to All Media	0 tonnes				
78-93-3	Methyl ethyl ketone	Yes	Total Releases to Air	1.526 tonnes	0.904 tonnes	2015	0.622	68.81
108-10-1	Methyl isobutyl ketone	No	Total Releases to Air	2.64 tonnes	4.62 tonnes	2015	-1.98	-42.86
108-10-1	Methyl isobutyl ketone	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
108-10-1	Methyl isobutyl ketone	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
108-10-1	Methyl isobutyl ketone	No	Total Releases to All Media	0 tonnes				
108-10-1	Methyl isobutyl ketone	Yes	Total Releases to Air	2.640 tonnes	4.460 tonnes	2015	-1.820	-40.81
64742-89-8	Solvent naphtha light aliphatic	Yes	Total Releases to Air	2.554 tonnes	2.640 tonnes	2015	-0.086	-3.26
108-88-3	Toluene	Yes	Total Releases to Air	0.262 tonnes	1.32 tonnes	2015	-1.058	-80.15
8032-32-4	VM and P naphtha	Yes	Total Releases to Air	2.059 tonnes	2.07 tonnes	2015	-0.011	-0.53
1330-20-7	Xylene (all isomers)	No	Total Releases to Air	1.714 tonnes	3.374 tonnes	2015	-1.660	-49.20
1330-20-7	Xylene (all isomers)	No	Total Releases to Water	0 tonnes	0.0 tonnes	2015	0.0	
1330-20-7	Xylene (all isomers)	No	Total Releases to Land	0 tonnes	0.0 tonnes	2015	0.0	
1330-20-7	Xylene (all isomers)	No	Total Releases to All Media	0 tonnes				
1330-20-7	Xylene (all isomers)	Yes	Total Releases to Air	1.714 tonnes	3.38 tonnes	2015	-1.666	-49.29

Comparison Report - On-site Releases - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
78-93-3	Methyl ethyl ketone	Increase in production levels Other	Change in solvent used to thin paint
108-10-1	Methyl isobutyl ketone	Decrease in production levels Other	Substitution of solvents used as thinners in paint formulations
NA - M16	Volatile Organic Compounds (VOCs)	Decrease in production levels Other	Change in paint formulations
1330-20-7	Xylene (all isomers)	Other	Replaced Xylene with other pant thinners when possible

Pollution Prevention

Does the facility have a documented pollution prevention plan?

No

Did the facility complete any pollution prevention activities in the current NPRI reporting year

No

Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
64742-48-9	Hydrotreated heavy naphtha	Reduce the use of toxic substances
78-93-3	Methyl ethyl ketone	Plan provides only a general intent to reduce the use of toxic substances but does not quantify the amount of reductions or provide a timetable for said reductions.
108-10-1	Methyl isobutyl ketone	Reduce the use of MIBK.
64742-89-8	Solvent naphtha light aliphatic	Reduce the use of mineral spirits
8032-32-4	VM & P naphtha	Reduce the use of toxic substances at the facility
1330-20-7	Xylene (all isomers)	Reduce the use of xylene used at the facility.

Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
64742-48-9	Hydrotreated heavy naphtha	156 kg	0.4	Recycle and reuse mineral spirits used to wash out spray guns and paint lines. This target is for reduction of all mineral spirits used for this purpose. In 2012, company purchased only 1 drum of this substance.
78-93-3	Methyl ethyl ketone	No quantity target	No timeline target	
108-10-1	Methyl isobutyl ketone	No quantity target	No timeline target	No quantitative target or timetable is specified for reducing MIBK.
64742-89-8	Solvent naphtha light aliphatic	990 kg	0.4	Reduction in the amount of mineral spirits used to rinse out paint guns and paint lines by reusing rinse for the same purpose or using rinse as a formulation ingredient in paints. Target amount also includes mineral spirits CAS 8052-41-3 which was used for this same purpose and is interchangeable with the subject toxic substance.
8032-32-4	VM & P naphtha	No quantity target	No timeline target	
1330-20-7	Xylene (all isomers)	No quantity target	No timeline target	

Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
64742-48-9	Hydrotreated heavy naphtha	No quantity target	No timeline target	Substance not created at the facility
78-93-3	Methyl ethyl ketone	No quantity target	No timeline target	Toxic substance is not created by the facility
108-10-1	Methyl isobutyl ketone	No quantity target	No timeline target	MIBK is not created at the facility.
64742-89-8	Solvent naphtha light aliphatic	No quantity target	No timeline target	
8032-32-4	VM & P naphtha	No quantity target	No timeline target	
1330-20-7	Xylene (all isomers)	No quantity target	No timeline target	

Progress on TRA Plan - Toxic Reduction Options Implemented

CAS RN	Substance Name	Activity	Steps that were taken in the reporting period to implement the toxic reduction option	Public summary of the description of the steps	Comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period	Public summary of the comparison of the steps
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	No steps taken this reporting period. Possible savings were completely achieved in 2012.	Substance used to clean equipment was reused for same purpose and subsequently introduced for use as paint thinner. Practice has continued since it was implanted in 2012	Same	Substance used to clean equipment was reused for same purpose and subsequently introduced for use as paint thinner. Practice has continued since it was implanted in 2012
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	No steps taken this reporting period. Possible savings were completely achieved in 2012.	Substance used to clean equipment was reused for same purpose and subsequently introduced for use as paint thinner. Practice has continued since it was implanted in 2012	Same	Substance used to clean equipment was reused for same purpose and subsequently introduced for use as paint thinner. Practice has continued since it was implanted in 2012

Progress on TRA Plan - Reductions due to Options Implemented - On-site reuse, recycling or recovery

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described:	No Amount
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-48-9	Hydrotreated heavy naphtha	Instituted recirculation within a process	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described:	No Amount
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-89-8	Solvent naphtha light aliphatic	Instituted recirculation within a process	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described:	No Amount

Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
64742-48-9	Hydrotreated heavy naphtha	No		
78-93-3	Methyl ethyl ketone	No		
108-10-1	Methyl isobutyl	No		

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? **Describe any additional actions that were taken during the reporting period to achieve the plan's objectives** **Provide a public summary of the description of the additional action taken**

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
	ketone			
64742-89-8	Solvent naphtha light aliphatic	No		
8032-32-4	VM & P naphtha	No		
1330-20-7	Xylene (all isomers)	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
64742-48-9	Hydrotreated heavy naphtha	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-48-9	Hydrotreated heavy naphtha	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-48-9	Hydrotreated heavy naphtha	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
64742-48-9	Hydrotreated heavy naphtha	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-48-9	Hydrotreated heavy naphtha	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-48-9	Hydrotreated heavy naphtha	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
64742-48-9	Hydrotreated heavy naphtha	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
64742-48-9	Hydrotreated heavy naphtha	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
64742-48-9	Hydrotreated heavy naphtha	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
78-93-3	Methyl ethyl ketone	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
108-10-1	Methyl isobutyl ketone	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
108-10-1	Methyl isobutyl ketone	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
108-10-1	Methyl isobutyl ketone	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
108-10-1	Methyl isobutyl ketone	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
108-10-1	Methyl isobutyl ketone	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
108-10-1	Methyl isobutyl ketone	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
108-10-1	Methyl isobutyl ketone	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
108-10-1	Methyl isobutyl ketone	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
108-10-1	Methyl isobutyl ketone	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
64742-89-8	Solvent naphtha light aliphatic	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-89-8	Solvent naphtha light aliphatic	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-89-8	Solvent naphtha light aliphatic	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
64742-89-8	Solvent naphtha light aliphatic	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-89-8	Solvent naphtha light aliphatic	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-89-8	Solvent naphtha light aliphatic	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
64742-89-8	Solvent naphtha light aliphatic	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
64742-89-8	Solvent naphtha light aliphatic	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
64742-89-8	Solvent naphtha light aliphatic	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
8032-32-4	VM & P naphtha	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
8032-32-4	VM & P naphtha	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
8032-32-4	VM & P naphtha	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
8032-32-4	VM & P naphtha	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
8032-32-4	VM & P naphtha	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
8032-32-4	VM & P naphtha	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
8032-32-4	VM & P naphtha	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
8032-32-4	VM & P naphtha	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
8032-32-4	VM & P naphtha	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
1330-20-7	Xylene (all isomers)	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
1330-20-7	Xylene (all isomers)	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
1330-20-7	Xylene (all isomers)	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
1330-20-7	Xylene (all isomers)	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
1330-20-7	Xylene (all isomers)	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
1330-20-7	Xylene (all isomers)	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
1330-20-7	Xylene (all isomers)	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
1330-20-7	Xylene (all isomers)	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
1330-20-7	Xylene (all isomers)	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	

Progress on TRA Plan - Amendments

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
64742-48-9	Hydrotreated heavy naphtha	No		
78-93-3	Methyl ethyl ketone	No		
108-10-1	Methyl isobutyl ketone	No		
64742-89-8	Solvent naphtha light aliphatic	No		

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
8032-32-4	VM & P naphtha	No		
1330-20-7	Xylene (all isomers)	No		

Report Submission and Electronic Certification

NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Vacuum Metallizing Ltd.

Certifying Official (or authorized delegate)

Jeffrey Sugar

Report Submitted by

Jeffrey Sugar

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

ON MOE TRA - Electronic Certification Statement

Annual Report Certification Statement

As of 23/08/2017, I, Jeffrey Sugar, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

TRA Substance List

CAS RN

Substance Name

CAS RN

78-93-3

Substance Name

Methyl ethyl ketone

CAS RN

108-10-1

Substance Name

Methyl isobutyl ketone

CAS RN

71-36-3

Substance Name

n-Butyl alcohol

CAS RN

1330-20-7

Substance Name

Xylene (all isomers)

Exit Record Certification Statement

As of 23/08/2017, I Jeffrey Sugar, certify that I have read the records created for the purposes of section 11.2 of Ontario Regulation 455/09 (General) made under the Toxics Reductions Act, (2009) in respect of the use and creation of the toxic substances referred to below at VACUUM METALLIZING LIMITED and am familiar with their contents and to my knowledge they are factually accurate.

TRA Exit Record Substances

CAS RN

Substance Name

CAS RN

NA - 31

Substance Name

Heptane (all isomers)

CAS RN

NA - 31

Substance Name

Heptane (all isomers)

CAS RN

108-88-3

Substance Name
Toluene
Company Name
Vacuum Metallizing Ltd.
Highest Ranking Employee
Jeffrey Sugar
Report Submitted by
Jeffrey Sugar
Website address
https://vacuummetallizing.wixsite.com/tsrp

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

Submitted Report

Period
Submission Date
Facility Name
Province
City
Programs
Period
2016
Submission Date
23/08/2017
Facility Name
VACUUM METALLIZING LIMITED
Province
Ontario
City
Scarborough
Programs
NPRI,ON MOE TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

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