

National Pollutant Release Inventory (NPRI) and Partners



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Report Preview

Report Details

Report Year	2018
Report Type:	NPRI, ON MECP TRA, ON MECP
Report Status:	Update 1 - Submitted
Modified Date/Time:	2020-07-01 1:02 PM
Report Update Comments:	No update initiated.

Company and Facility Details

Company Name:	Vacuum Metallizing Ltd.
Business Number:	105468771
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 30 Dovedale Court City: Toronto Province/Territory: Ontario Postal Code: M1S 5A7 Country: Canada
Facility Name:	VACUUM METALLIZING LIMITED
NAICS Code:	332810
NPRI ID:	7102
ON Reg 127/01 ID:	179901
Portable:	No
Physical Address:	Address Line 1: 30 Dovedale Court City: Scarborough Province/Territory: Ontario Postal Code: M1S 5A7 Country: Canada Latitude: 43.7958 Longitude: -79.2459

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
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Name:	Jeffrey Sugar
Position:	President
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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 Hexachlorobenzene:	None of the above
Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):	Wood preservation using creosote: No
Does this facility release less than the reporting threshold for each Part 4 substance AND have one or more light or medium crude oil batteries with a total oil throughput for the battery components of the facility of $\geq 1,900$ m ³ per year?	No
Did the facility operate one or more electricity generation units that had a capacity of 25 MW or more and that distributed or sold to the grid 33% or more of its potential electrical output in the calendar year?	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
Does this facility solely consist of compression equipment in the oil and gas extraction sector?	No
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 2018-07-28 To 2018-08-12

Will the shutdown period occur at or around the same time in future years?

Yes

Was the shutdown period a partial or complete shutdown?

Complete

Comments:

Annual summer 2 week plant shutdown

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
67-64-1	Acetone	1.349000	N/A	N/A	N/A	tonnes
NA - 41	Butyl acetate (all isomers)	1.093000	N/A	N/A	N/A	tonnes

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
100-41-4	Ethylbenzene	0.300000	N/A	N/A	N/A	tonnes
67-56-1	Methanol	N/A	N/A	N/A	N/A	tonnes
78-93-3	Methyl ethyl ketone	1.016000	N/A	N/A	N/A	tonnes
108-10-1	Methyl isobutyl ketone	2.145000	N/A	N/A	N/A	tonnes
71-36-3	n-Butyl alcohol	1.021000	N/A	N/A	N/A	tonnes
NA - 45	Other glycol ethers and acetates (and their isomers)	3.100000	N/A	N/A	N/A	tonnes
108-88-3	Toluene	1.574000	N/A	N/A	N/A	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	23.230000	17.260000	N/A	N/A	tonnes
1330-20-7	Xylene (all isomers)	1.229000	N/A	N/A	N/A	tonnes

Applicable Programs

CAS RN	Substance Name	NPRI	ON MECP TRA	ON MECP Reg 127/01	First report for this substance to the ON MECP TRA
67-64-1	Acetone		No	No	No
NA - 41	Butyl acetate (all isomers)	Yes			
100-41-4	Ethylbenzene	No	No		No
67-56-1	Methanol	No	No		No
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		No
NA - 45	Other glycol ethers and acetates (and their isomers)	Yes			
108-88-3	Toluene	Yes	Yes		No
NA - M16	Volatile Organic Compounds (VOCs)	Yes			
1330-20-7	Xylene (all isomers)	Yes	Yes		No

Applicable Programs - Comments

CAS RN	Substance Name	Comments
100-41-4	Ethylbenzene	The facility used significantly less than the reporting requirements for Ethylbenzene in the 2018 reporting year.
67-56-1	Methanol	The facility used no Methanol in the 2018 reporting year.
71-36-3	n-Butyl alcohol	The facility's used of this substance met the reporting requirement for n'butyl alcohol in the 2018 reporting year

TRA Exit Record

CAS RN	Substance Name	Circumstance(s) that apply	Describe the circumstances that lead to the criteria no longer being met	Describe the information and any quantifications relied upon for making the determination
67-64-1	Acetone	The substance did not meet the criteria to provide information to NPRI Acetone did not meet the criteria to provide information under O. Reg 127/01	Substance was below the reporting threshold in 2018 and in previous year 2017.	Mass balance data indicates acetone use was below the reporting threshold in 2018 and in previous year 2017.
100-41-4	Ethylbenzene	The substance did not meet the criteria to provide information to NPRI	The facility used significantly less than the reporting requirements for Ethylbenzene in the 2018 reporting year	The facility used significantly less than the reporting requirements for Ethylbenzene in the 2018 reporting year
67-56-1	Methanol	The substance did not meet the criteria to provide information to NPRI	The facility used no methanol in 2018.	The facility used no methanol in 2018.

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 media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
NA - 41	Butyl acetate (all isomers)	Yes	No	No
100-41-4	Ethylbenzene	Yes	No	No
67-56-1	Methanol	No	No	No
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
NA - 45	Other glycol ethers and acetates (and their isomers)	Yes	No	No
108-88-3	Toluene	Yes	No	No

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
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
NA - 41	Butyl acetate (all isomers)	No	No	No
100-41-4	Ethylbenzene	No	No	No
67-56-1	Methanol	No	No	No
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
NA - 45	Other glycol ethers and acetates (and their isomers)	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
NA - 41	Butyl acetate (all isomers)		As a formulation component	As a physical or chemical processing aid
100-41-4	Ethylbenzene		As a formulation component	
67-56-1	Methanol			As a manufacturing aid
78-93-3	Methyl ethyl ketone		As a formulation component	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		As a formulation component	As a manufacturing aid
NA - 45	Other glycol ethers and acetates (and their isomers)		As a formulation component	As a physical or chemical processing aid
108-88-3	Toluene		As a formulation component	As a physical or chemical processing aid
NA - M16	Volatile Organic Compounds (VOCs)			
1330-20-7	Xylene (all isomers)		As a formulation component	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	1.016 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	2.145 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	1.021 tonnes	No
71-36-3	n-Butyl alcohol	Creation	0 tonnes	No
71-36-3	n-Butyl alcohol	Contained in Product	0 tonnes	No
108-88-3	Toluene	Use	1.574 tonnes	No
108-88-3	Toluene	Creation	0 tonnes	No
108-88-3	Toluene	Contained in Product	0 tonnes	No
1330-20-7	Xylene (all isomers)	Use	1.229 tonnes	No
1330-20-7	Xylene (all isomers)	Creation	0 tonnes	No
1330-20-7	Xylene (all isomers)	Contained in Product	0 tonnes	No

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	Reason for the significant process change
78-93-3	Methyl ethyl ketone					No	
108-10-1	Methyl isobutyl ketone					No	
71-36-3	n-Butyl alcohol					No	
108-88-3	Toluene					Yes	As a result of an alteration to a process at the facility which results in an increase in the use or creation of a toxic substance by at least 15%.
1330-20-7	Xylene (all isomers)					Yes	As a result of an alteration to a process at the facility which results in an increase in the use or creation of a toxic substance by at least 15%.

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
67-64-1	Acetone	Stack or Point Releases	C - Mass Balance		1.349 tonnes
NA - 41	Butyl acetate (all isomers)	Stack or Point Releases	C - Mass Balance		1.093 tonnes
100-41-4	Ethylbenzene	Stack or Point Releases	C - Mass Balance		0.3 tonnes
78-93-3	Methyl ethyl ketone	Stack or Point Releases	C - Mass Balance		1.016 tonnes
108-10-1	Methyl isobutyl ketone	Stack or Point Releases	C - Mass Balance		2.145 tonnes
71-36-3	n-Butyl alcohol	Stack or Point Releases	C - Mass Balance		1.021 tonnes
NA - 45	Other glycol ethers and acetates (and their isomers)	Stack or Point Releases	C - Mass Balance		3.1 tonnes
108-88-3	Toluene	Stack or Point Releases	C - Mass Balance		1.574 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Stack or Point Releases	C - Mass Balance		23.23 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Other Sources - Speciated VOCs	NA - Not Applicable		23.23 tonnes
1330-20-7	Xylene (all isomers)	Stack or Point Releases	C - Mass Balance		1.229 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
67-64-1	Acetone	1.349 tonnes
NA - 41	Butyl acetate (all isomers)	1.093 tonnes
100-41-4	Ethylbenzene	0.3 tonnes
78-93-3	Methyl ethyl ketone	1.016 tonnes
108-10-1	Methyl isobutyl ketone	2.145 tonnes
71-36-3	n-Butyl alcohol	1.021 tonnes
NA - 45	Other glycol ethers and acetates (and their isomers)	3.1 tonnes
108-88-3	Toluene	1.574 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	23.23 tonnes
1330-20-7	Xylene (all isomers)	1.229 tonnes

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

Category	CAS RN	Substance Name	Quantity
Other Sources - Speciated VOCs	111-76-2	2-Butoxyethanol	1.604 tonnes
Other Sources - Speciated VOCs	NA - 41	Butyl acetate (all isomers)	1.598 tonnes
Other Sources - Speciated VOCs	50-00-0	Formaldehyde	0.018 tonnes
Other Sources - Speciated VOCs	64742-94-5	Heavy aromatic solvent naphtha	0.046 tonnes
Other Sources - Speciated VOCs	64742-48-9	Hydrotreated heavy naphtha	0.406 tonnes
Other Sources - Speciated VOCs	64742-47-8	Hydrotreated light distillate	0.403 tonnes
Other Sources - Speciated VOCs	67-63-0	Isopropyl alcohol	0.043 tonnes
Other Sources - Speciated VOCs	78-93-3	Methyl ethyl ketone	1.016 tonnes
Other Sources - Speciated VOCs	108-10-1	Methyl isobutyl ketone	2.145 tonnes
Other Sources - Speciated VOCs	NA - 45	Other glycol ethers and acetates (and their isomers)	3.104 tonnes
Other Sources - Speciated VOCs	74-98-6	Propane	0.131 tonnes

Category	CAS RN	Substance Name	Quantity
Other Sources - Speciated VOCs	64742-89-8	Solvent naphtha light aliphatic	1.144 tonnes
Other Sources - Speciated VOCs	64742-88-7	Solvent naphtha medium aliphatic	0.700 tonnes
Other Sources - Speciated VOCs	8052-41-3	Stoddard solvent	2.099 tonnes
Other Sources - Speciated VOCs	108-88-3	Toluene	1.574 tonnes
Other Sources - Speciated VOCs	1330-20-7	Xylene (all isomers)	1.229 tonnes

On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 41	Butyl acetate (all isomers)	1.093 tonnes
100-41-4	Ethylbenzene	0.3 tonnes
78-93-3	Methyl ethyl ketone	1.016 tonnes
108-10-1	Methyl isobutyl ketone	2.145 tonnes
71-36-3	n-Butyl alcohol	1.021 tonnes
NA - 45	Other glycol ethers and acetates (and their isomers)	3.1 tonnes
108-88-3	Toluene	1.574 tonnes
1330-20-7	Xylene (all isomers)	1.229 tonnes

On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NA - 41	Butyl acetate (all isomers)	30	30	15	25
100-41-4	Ethylbenzene	30	30	15	25
78-93-3	Methyl ethyl ketone	30	30	15	25
108-10-1	Methyl isobutyl ketone	30	30	15	25
71-36-3	n-Butyl alcohol	30	30	15	25
NA - 45	Other glycol ethers and acetates (and their isomers)	30	30	15	25
108-88-3	Toluene	30	30	15	25
1330-20-7	Xylene (all isomers)	30	30	15	25

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)	8	11	11	10	10	10	3	2	10	6	6	13

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
100-41-4	Ethylbenzene	Decrease in production levels	New paint formulations from suppliers.
108-10-1	Methyl isobutyl ketone	Decrease in production levels	
108-88-3	Toluene	Changes in process and/or raw/produced/processed materials	Increased use of toluene onsite as a paint thinner.
1330-20-7	Xylene (all isomers)	Changes in process and/or raw/produced/processed materials	
67-56-1	Methanol	Changes in process and/or raw/produced/processed materials	
71-36-3	n-Butyl alcohol	Decrease in production levels Changes in process and/or raw/produced/processed materials	Reintroduction of n'butyl alcohol as a thinning agent led to higher consumption and release of the substance in 2018 vs 2017.
78-93-3	Methyl ethyl ketone	Decrease in production levels	
NA - 41	Butyl acetate (all isomers)	Decrease in production levels Changes in process and/or raw/produced/processed materials	Increased use of substance in as thinner in paint formulation
NA - 45	Other glycol ethers and acetates (and their isomers)	Changes in process and/or raw/produced/processed materials Other (specify in comment field)	Failure in prior years to include all substances that fall under this general CAS identifier.
NA - M16	Volatile Organic Compounds (VOCs)	Not applicable (first year reporting this substance)	

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
100-41-4	Ethylbenzene		No significant change (i.e. <10% or no change)	
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)	Increased use of toluene as a paint thinner.
1330-20-7	Xylene (all isomers)		No significant change (i.e. <10% or no change)	
67-56-1	Methanol		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)	
NA - 41	Butyl acetate (all isomers)		No significant change (i.e. <10% or no change)	
NA - 45	Other glycol ethers and acetates (and their isomers)		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
100-41-4	Ethylbenzene		No significant change (i.e. <10% or no change)	
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)	
67-56-1	Methanol		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)	
NA - 41	Butyl acetate (all isomers)		No significant change (i.e. <10% or no change)	
NA - 45	Other glycol ethers and acetates (and their isomers)		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
78-93-3	Methyl ethyl ketone	No	Enters the facility (Use)	1.016 tonnes	2.392 tonnes	2017	-1.376	-57.53
78-93-3	Methyl ethyl ketone	No	Creation	0 tonnes	0 tonnes	2017	0	
78-93-3	Methyl ethyl ketone	No	Contained in Product	0 tonnes	0 tonnes	2017	0	
108-10-1	Methyl isobutyl ketone	No	Enters the facility (Use)	2.145 tonnes	2.807 tonnes	2017	-0.662	-23.58
108-10-1	Methyl isobutyl ketone	No	Creation	0 tonnes	0 tonnes	2017	0	
108-10-1	Methyl isobutyl ketone	No	Contained in Product	0 tonnes	0 tonnes	2017	0	
71-36-3	n-Butyl alcohol	No	Enters the facility (Use)	1.021 tonnes	0.826 tonnes	2017	0.195	23.61
71-36-3	n-Butyl alcohol	No	Creation	0 tonnes	0 tonnes	2017	0	
71-36-3	n-Butyl alcohol	No	Contained in Product	0 tonnes	0 tonnes	2017	0	
108-88-3	Toluene	No	Enters the facility (Use)	1.574 tonnes	0.495 tonnes	2017	1.079	217.98
108-88-3	Toluene	No	Creation	0 tonnes	0 tonnes	2017	0	
108-88-3	Toluene	No	Contained in Product	0 tonnes	0 tonnes	2017	0	
1330-20-7	Xylene (all isomers)	No	Enters the facility (Use)	1.229 tonnes	1.538 tonnes	2017	-0.309	-20.09
1330-20-7	Xylene (all isomers)	No	Creation	0 tonnes	0 tonnes	2017	0	
1330-20-7	Xylene (all isomers)	No	Contained in Product	0 tonnes	0 tonnes	2017	0	

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	Decrease in production levels	
108-10-1	Methyl isobutyl ketone	Decrease in production levels	
71-36-3	n-Butyl alcohol	Decrease in production levels Other	Reintroduction of n'butyl alcohol as a thinning agent in paint.
108-88-3	Toluene	Other	Increased use of toluene as a paint thinner
1330-20-7	Xylene (all isomers)	Other	Decreased use of xylene as a paint thinner

Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
78-93-3	Methyl ethyl ketone	No	Total Releases to Air	1.016 tonnes	2.392 tonnes	2017	-1.376	-57.53
78-93-3	Methyl ethyl ketone	No	Total Releases to Water	0 tonnes	0 tonnes	2017	0	
78-93-3	Methyl ethyl ketone	No	Total Releases to Land	0 tonnes	0 tonnes	2017	0	
78-93-3	Methyl ethyl ketone	No	Total Releases to All Media	0 tonnes				
108-10-1	Methyl isobutyl ketone	No	Total Releases to Air	2.145 tonnes	2.807 tonnes	2017	-0.662	-23.58
108-10-1	Methyl isobutyl ketone	No	Total Releases to Water	0 tonnes	0 tonnes	2017	0	
108-10-1	Methyl isobutyl ketone	No	Total Releases to Land	0 tonnes	0 tonnes	2017	0	
108-10-1	Methyl isobutyl ketone	No	Total Releases to All Media	0 tonnes				
71-36-3	n-Butyl alcohol	No	Total Releases to Air	1.021 tonnes	0.826 tonnes	2017	0.195	23.61
71-36-3	n-Butyl alcohol	No	Total Releases to Water	0 tonnes	0 tonnes	2017	0	
71-36-3	n-Butyl alcohol	No	Total Releases to Land	0 tonnes	0 tonnes	2017	0	
71-36-3	n-Butyl alcohol	No	Total Releases to All Media	0 tonnes				
108-88-3	Toluene	No	Total Releases to Air	1.574 tonnes	0.495 tonnes	2017	1.079	217.98
108-88-3	Toluene	No	Total Releases to Water	0 tonnes	0 tonnes	2017	0	
108-88-3	Toluene	No	Total Releases to Land	0 tonnes	0 tonnes	2017	0	
108-88-3	Toluene	No	Total Releases to All Media	0 tonnes				
1330-20-7	Xylene (all isomers)	No	Total Releases to Air	1.229 tonnes	1.714 tonnes	2016	-0.485	-28.30
1330-20-7	Xylene (all isomers)	No	Total Releases to Water	0 tonnes	0 tonnes	2016	0	
1330-20-7	Xylene (all isomers)	No	Total Releases to Land	0 tonnes	0 tonnes	2016	0	
1330-20-7	Xylene (all isomers)	No	Total Releases to All Media	0 tonnes				

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	Decrease in production levels	
108-10-1	Methyl isobutyl ketone	Decrease in production levels	
71-36-3	n-Butyl alcohol	Decrease in production levels Other	Reintroduction of n'butyl alcohol as a thinning agent in paints
108-88-3	Toluene	Other	Increased use of toluene as a paint thinner
1330-20-7	Xylene (all isomers)	Decrease in production levels Other	Decreased use of xylene as a paint thinner

Pollution Prevention

Does the facility have a documented pollution prevention plan?

Yes

a) Please check all that apply

Plan was prepared or implemented for another government jurisdiction (i.e. other Federal government department, province, municipality). Specify name in comments field below.
Plan was prepared or implemented on a voluntary basis.

b) Did the facility update their plan in the current reporting year?

No

c) Does the plan address substances, energy conservation, or water conservation?

Substances (provide the name of the primary Substances in the comments field below)

Please summarize your pollution prevention plan. If you selected "Substances", please specify the substances that were addressed in your plan (this information will be publicly available).

xylene, methanol, toluene, heptane, n'butyl alcohol, acetone, mineral spirits

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

No

If no, please select all applicable reasons from the list below:

Substance, process or technology alternatives are unknown or unavailable
 Activities were implemented in a previous year; additional activities are either unnecessary or unfeasible at this time
 Insufficient capital to implement activities

Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
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.
71-36-3	n-Butyl alcohol	Vacuum Metallizing Limited will continue to seek additional opportunities for reducing its use of VOC solvents by monitoring the cost of a non-VOC replacement for n'butyl alcohol and investing in new spray equipment. Any additional opportunity that is determined will be identified in a future TSRP update.
108-88-3	Toluene	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
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.
71-36-3	n-Butyl alcohol	No quantity target	No timeline target	
108-88-3	Toluene	No quantity target	No timeline target	No quantitative or timetable targets have been specified for reducing the use of Toluene at this time.
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
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.
71-36-3	n-Butyl alcohol	No quantity target	No timeline target	
108-88-3	Toluene	No quantity target	No timeline target	Toluene is not created at the facility.
1330-20-7	Xylene (all isomers)	No quantity target	No timeline target	

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
78-93-3	Methyl ethyl ketone	No		
108-10-1	Methyl isobutyl ketone	No		
71-36-3	n-Butyl alcohol	No		
108-88-3	Toluene	No		

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
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
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.	
71-36-3	n-Butyl alcohol	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
71-36-3	n-Butyl alcohol	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
71-36-3	n-Butyl alcohol	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
71-36-3	n-Butyl alcohol	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.	
71-36-3	n-Butyl alcohol	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.	
71-36-3	n-Butyl alcohol	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
71-36-3	n-Butyl alcohol	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.	
71-36-3	n-Butyl alcohol	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.	
71-36-3	n-Butyl alcohol	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
108-88-3	Toluene	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
108-88-3	Toluene	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
108-88-3	Toluene	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
108-88-3	Toluene	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.	
108-88-3	Toluene	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.	
108-88-3	Toluene	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 the 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
78-93-3	Methyl ethyl ketone	No		
108-10-1	Methyl isobutyl ketone	No		
71-36-3	n-Butyl alcohol	No		
108-88-3	Toluene	No		
1330-20-7	Xylene (all isomers)	No		

Feedback

Comments on the Reporting System

Very dissatisfied. Technical issues with the reporting system made it very difficult to report.

Report Submission and Electronic Certification

NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

No change made to the 2018 submission but no way to retract entry so recertifying nevertheless

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.

Annual Report Certification Statement

As of 2020-07-01, 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
78-93-3	Methyl ethyl ketone
108-10-1	Methyl isobutyl ketone
71-36-3	n-Butyl alcohol
108-88-3	Toluene
1330-20-7	Xylene (all isomers)

Exit Record Certification Statement

As of 2020-07-01, 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
67-64-1	Acetone
100-41-4	Ethylbenzene
67-56-1	Methanol

Company Name

Vacuum Metallizing Ltd.

Highest Ranking Employee

Jeffrey Sugar

Report Submitted by

Jeffrey Sugar

Website address

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
2018	2020-07-01	VACUUM METALLIZING LIMITED	Ontario	Scarborough	NPRI,ON MECP TRA,ON MECP

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.

Version: 3.16.0

