

National Pollutant Release Inventory (NPRI) and



Partners

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Report Preview

Report Details

Report Year	2016
Report Type:	NPRI
Report Status:	Ready to Submit
Modified Date/Time:	17/05/2017 8:58 AM

Company and Facility Details

Company Name:	Morbern Inc.
Business Number:	103760948
Mailing Address:	Delivery Mode: PostOfficeBox PO Box: 1207 Address Line 1: 80 Boundary Road South City, Province/Territory, Postal Code: Cornwall Ontario K6H 5V3 Country: Canada
Facility Name:	Morbern Inc.
NAICS Code:	313320
NPRI ID:	741
ON Reg 127/01 ID:	6243
Physical Address:	Address Line 1: 80 Boundary Road South City, Province/Territory, Postal Code: Cornwall Ontario K6H5v3 Country: Canada Latitude: 45.03300 Longitude: -74.66840

Contacts Details

Contact Type	Technical Contact, Certifying Official, Company Coordinator
Name:	Brian Elliott
Position:	EHS Manager
Telephone:	6139372478
Email:	belliot@morbern.com

General Information

Number of employees:	260
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:

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, Sat

Usual Number of Operating Hours per day:

24

Usual Daily Start Time (24h) (hh:mm):

07:00

Shutdown Periods:

From 2016-07-10 To 2016-07-24

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 01	Antimony (and its compounds)	N/A	N/A	2.6000	N/A	tonnes
67-63-0	Isopropyl alcohol	14.7000	N/A	1.9000	N/A	tonnes
78-93-3	Methyl ethyl ketone	329.1000	N/A	47.0000	N/A	tonnes
108-10-1	Methyl isobutyl ketone	N/A	N/A	0.4000	N/A	tonnes
108-10-1	Methyl isobutyl ketone	N/A	N/A	0.4000	N/A	tonnes
872-50-4	N-Methyl-2-pyrrolidone	8.3000	N/A	1.2000	N/A	tonnes
127-18-4	Tetrachloroethylene	0.0000	N/A	0.0000	N/A	tonnes
108-88-3	Toluene	12.2000	N/A	1.8000	N/A	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	520.0000	366.1000	N/A	N/A	tonnes
NA - 14	Zinc (and its compounds)	N/A	N/A	0.7000	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
NA - 01	Antimony (and its compounds)	Yes			
67-63-0	Isopropyl alcohol	Yes			
78-93-3	Methyl ethyl ketone	Yes			
108-10-1	Methyl isobutyl ketone	Yes			
872-50-4	N-Methyl-2-pyrrolidone	Yes			
127-18-4	Tetrachloroethylene	Yes			
108-88-3	Toluene	Yes			
NA - M16	Volatile Organic Compounds (VOCs)	Yes			
NA - 14	Zinc (and its compounds)	Yes			

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 - 01	Antimony (and its compounds)	No	No	No
67-63-0	Isopropyl alcohol	Yes	No	No
78-93-3	Methyl ethyl ketone	Yes	No	No
108-10-1	Methyl isobutyl ketone	No	No	No
872-50-4	N-Methyl-2-pyrrolidone	Yes	No	No
127-18-4	Tetrachloroethylene	Yes	Yes	No
108-88-3	Toluene	Yes	No	No
NA - M16	Volatile Organic Compounds (VOCs)		No	Yes
NA - 14	Zinc (and its compounds)	No	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 - 01	Antimony (and its compounds)	Yes	No	No
67-63-0	Isopropyl alcohol	Yes	No	No
78-93-3	Methyl ethyl ketone	Yes	No	No
108-10-1	Methyl isobutyl ketone	Yes	No	No
872-50-4	N-Methyl-2-pyrrolidone	Yes	No	No
127-18-4	Tetrachloroethylene	Yes	No	No
108-88-3	Toluene	Yes	No	No
NA - M16	Volatile Organic Compounds (VOCs)			
NA - 14	Zinc (and its compounds)	Yes	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 - 01	Antimony (and its compounds)	For on-site use/processing	As a formulation component	As a manufacturing aid
67-63-0	Isopropyl alcohol	For on-site use/processing	As a formulation component	As a manufacturing aid
78-93-3	Methyl ethyl ketone	For on-site use/processing	As a formulation component	As a manufacturing aid
108-10-1	Methyl isobutyl ketone	For on-site use/processing	As a formulation component	As a manufacturing aid
872-50-4	N-Methyl-2-pyrrolidone	For on-site use/processing	As a formulation component	As a manufacturing aid
127-18-4	Tetrachloroethylene	For on-site use/processing	As a formulation component	As a manufacturing aid
108-88-3	Toluene	For on-site use/processing	As a formulation component	As a manufacturing aid
NA - M16	Volatile Organic Compounds (VOCs)			
NA - 14	Zinc (and its compounds)	For on-site use/processing	As a formulation component	As a manufacturing aid

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
67-63-0	Isopropyl alcohol	Stack or Point Releases	C - Mass Balance		13.4 tonnes
67-63-0	Isopropyl alcohol	Fugitive Releases	C - Mass Balance		1.3 tonnes
78-93-3	Methyl ethyl ketone	Stack or Point Releases	C - Mass Balance		296.2 tonnes
78-93-3	Methyl ethyl ketone	Fugitive Releases	C - Mass Balance		32.9 tonnes
872-50-4	N-Methyl-2-pyrrolidone	Stack or Point Releases	C - Mass Balance		7.1 tonnes
872-50-4	N-Methyl-2-pyrrolidone	Fugitive Releases	C - Mass Balance		1.2 tonnes
108-88-3	Toluene	Stack or Point Releases	C - Mass Balance		11 tonnes
108-88-3	Toluene	Fugitive Releases	C - Mass Balance		1.2 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Stack or Point Releases	C - Mass Balance		461 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Fugitive Releases	C - Mass Balance		59 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Other Sources - Speciated VOCs	NA - Not Applicable		520 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
67-63-0	Isopropyl alcohol	14.7 tonnes
78-93-3	Methyl ethyl ketone	329.1 tonnes
872-50-4	N-Methyl-2-pyrrolidone	8.3 tonnes
108-88-3	Toluene	12.2 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	520 tonnes

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

Category	CAS RN	Substance Name	Quantity
Other Sources - Speciated VOCs	67-63-0	Isopropyl alcohol	13.4 tonnes
Other Sources - Speciated VOCs	78-93-3	Methyl ethyl ketone	329 tonnes
Other Sources - Speciated VOCs	108-10-1	Methyl isobutyl ketone	3.6 tonnes
Other Sources - Speciated VOCs	108-88-3	Toluene	12.3 tonnes
Other Sources - Speciated VOCs	1330-20-7	Xylene (all isomers)	7.8 tonnes

Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
127-18-4	Tetrachloroethylene	Total Quantity Released	C - Mass Balance		0 tonnes

On-site Releases - Total

CAS RN	Substance Name	Total releases
67-63-0	Isopropyl alcohol	14.7 tonnes
78-93-3	Methyl ethyl ketone	329.1 tonnes
872-50-4	N-Methyl-2-pyrrolidone	8.3 tonnes
108-88-3	Toluene	12.2 tonnes

On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
67-63-0	Isopropyl alcohol	25	25	25	25
78-93-3	Methyl ethyl ketone	25	25	25	25
872-50-4	N-Methyl-2-pyrrolidone	25	25	25	25
108-88-3	Toluene	25	25	25	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)	9	9	9	9	9	9	5	9	9	9	9	5

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

CAS RN	Substance Name	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
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	
127-18-4	Tetrachloroethylene	Changes in production levels	
67-63-0	Isopropyl 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	
872-50-4	N-Methyl-2-pyrrolidone	No significant change (i.e. < 10%) or no change	
NA - 01	Antimony (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - 14	Zinc (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - M16	Volatile Organic Compounds (VOCs)	No significant change (i.e. < 10%) or no change	

Disposals - Off-site Transfers (excluding Tailings and Waste Rock)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 01	Antimony (and its compounds)	Incineration / Thermal	C - Mass Balance		2.6 tonnes
67-63-0	Isopropyl alcohol	Incineration / Thermal	C - Mass Balance		1.9 tonnes
78-93-3	Methyl ethyl ketone	Incineration / Thermal	C - Mass Balance		47 tonnes
108-10-1	Methyl isobutyl ketone	Incineration / Thermal	C - Mass Balance		0.4 tonnes
872-50-4	N-Methyl-2-pyrrolidone	Incineration / Thermal	C - Mass Balance		1.2 tonnes
127-18-4	Tetrachloroethylene	Incineration / Thermal	C - Mass Balance		0 tonnes
108-88-3	Toluene	Incineration / Thermal	C - Mass Balance		1.8 tonnes
NA - 14	Zinc (and its compounds)	Incineration / Thermal	C - Mass Balance		0.7 tonnes

Disposals - Off-site Transfers (excluding Tailings and Waste Rock) - Total

CAS RN	Substance Name	Total - Treatment Prior to Final Disposal
NA - 01	Antimony (and its compounds)	2.6 tonnes
67-63-0	Isopropyl alcohol	1.9 tonnes
78-93-3	Methyl ethyl ketone	47 tonnes
108-10-1	Methyl isobutyl ketone	0.4 tonnes
872-50-4	N-Methyl-2-pyrrolidone	1.2 tonnes
127-18-4	Tetrachloroethylene	0 tonnes
108-88-3	Toluene	1.8 tonnes
NA - 14	Zinc (and its compounds)	0.7 tonnes

Disposals - Off-site Transfers (excluding Tailings and Waste Rock) - By Facilities

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
108-10-1	Methyl isobutyl ketone	Incineration / Thermal	Revolution Environmental Solutions	52 Imperial St. , Hamilton, ON, Canada	0.4 tonnes
108-88-3	Toluene	Incineration / Thermal	Revolution Environmental Solutions	52 Imperial St. , Hamilton, ON, Canada	1.8 tonnes
127-18-4	Tetrachloroethylene	Incineration / Thermal	Revolution Environmental Solutions	52 Imperial St. , Hamilton, ON, Canada	0 tonnes
67-63-0	Isopropyl alcohol	Incineration / Thermal	Revolution Environmental Solutions	52 Imperial St. , Hamilton, ON, Canada	1.9 tonnes
78-93-3	Methyl ethyl ketone	Incineration / Thermal	Revolution Environmental Solutions	52 Imperial St. , Hamilton, ON, Canada	47 tonnes
872-50-4	N-Methyl-2-pyrrolidone	Incineration / Thermal	Revolution Environmental Solutions	52 Imperial St. , Hamilton, ON, Canada	1.2 tonnes
NA - 01	Antimony (and its compounds)	Incineration / Thermal	Revolution Environmental Solutions	52 Imperial St. , Hamilton, ON, Canada	2.6 tonnes
NA - 14	Zinc (and its compounds)	Incineration / Thermal	Revolution Environmental Solutions	52 Imperial St. , Hamilton, ON, Canada	0.7 tonnes

Disposals - Off-site Transfers (excluding Tailings and Waste Rock) - Dioxins and Furans Breakdown List By Facility

Category	CAS RN	Substance Name	Off-site Name	Quantity
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Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
NA - 01	Antimony (and its compounds)	2.6 tonnes
67-63-0	Isopropyl alcohol	1.9 tonnes
78-93-3	Methyl ethyl ketone	47 tonnes
108-10-1	Methyl isobutyl ketone	0.4 tonnes
872-50-4	N-Methyl-2-pyrrolidone	1.2 tonnes
127-18-4	Tetrachloroethylene	0 tonnes
108-88-3	Toluene	1.8 tonnes
NA - 14	Zinc (and its compounds)	0.7 tonnes

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
108-10-1	Methyl isobutyl ketone	Production residues Contaminated materials Machine or finishing residues	No significant change (i.e. < 10%) or no change	
108-88-3	Toluene	Production residues Machine or finishing residues	No significant change (i.e. < 10%) or no change	
127-18-4	Tetrachloroethylene	Production residues	Changes in production levels	
67-63-0	Isopropyl alcohol	Production residues	No significant change (i.e. < 10%) or no change	
78-93-3	Methyl ethyl ketone	Contaminated materials Unusable parts or discards Machine or finishing residues	No significant change (i.e. < 10%) or no change	
872-50-4	N-Methyl-2-pyrrolidone	Production residues Unusable parts or discards Machine or finishing residues	No significant change (i.e. < 10%) or no change	
NA - 01	Antimony (and its compounds)	Unusable parts or discards	No significant change (i.e. < 10%) or no change	
NA - 14	Zinc (and its compounds)	Production residues Unusable parts or discards Machine or finishing residues	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	
127-18-4	Tetrachloroethylene		Changes in production levels	
67-63-0	Isopropyl 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	
872-50-4	N-Methyl-2-pyrrolidone		No significant change (i.e. < 10%) or no change	
NA - 01	Antimony (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 14	Zinc (and its compounds)		No significant change (i.e. < 10%) or no change	

Pollution Prevention

Does the facility have a documented pollution prevention plan?

Yes

a) Please check all that apply

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

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

No

Empty

Version: 3.11.3



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