

National Pollutant Release Inventory (NPRI) and



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Report Preview

Report Details

Report Year	2016
Report Type:	NPRI,ON MOE TRA
Report Status:	Submitted
Modified Date/Time:	29/05/2017 1:51 PM

Company and Facility Details

Company Name:	Magellan Aerospace, Mississauga
Business Number:	870261690
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 3160 Derry Road East City, Province/Territory, Postal Code: Mississauga Ontario L4T1A9 Country: Canada
Facility Name:	Magellan Aerospace, Mississauga
NAICS Code:	336410
NPRI ID:	4507
Physical Address:	Address Line 1: 3160 Derry Road City, Province/Territory, Postal Code: Mississauga Ontario L4T1A9 Country: Canada Latitude: 43.70680 Longitude: -79.63450 UTM Zone: 17 UTM Easting: 610015 UTM Northing: 4840214

Parent Companies

Company Name:	Magellan Aerospace Corporation
Business Number:	870077690
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 3160 Derry Road East City, Province/Territory, Postal Code: Mississauga Ontario L4T1A9 Country: Canada

Permits

Number or Permit Number:	Magellan Aerosp
Government Department, Agency, or Program Name:	Solvent Degreasing Regulations
Number or Permit Number:	ON0004601
Government Department, Agency, or Program Name:	Ontario MOE - Hazardous Waste Generator Number

Contacts Details

Contact Type	Technical Contact, Certifying Official, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	David Windrim
Position:	Supervisor Environmental Systems
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Email:	david.windrim@magellan.aero
Contact Type	Highest Ranking Employee
Name:	Korry Frew
Position:	General Manager
Telephone:	9056733250
Fax:	9056735302
Email:	korry.frew@magellan.aero
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 3160 Derry Road East City, Province/Territory, Postal Code: Mississauga Ontario L4T1A9 Country: Canada

General Information

Number of employees:	253
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
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:	Yes
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, Sat, Sun
Usual Number of Operating Hours per day:	24
Usual Daily Start Time (24h) (hh:mm):	07:15

Shutdown Periods:

From 2016-12-25 To 2016-12-30	Christmas Shutdown
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Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 04	Chromium (and its compounds)	0.0010	N/A	0.0744	0.8000	tonnes
NA - 11	Nickel (and its compounds)	0.0101	N/A	1.0860	1.5000	tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	0.9941	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	0.9940	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
NA - 04	Chromium (and its compounds)	Yes	Yes		No
NA - 11	Nickel (and its compounds)	Yes	Yes		No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Yes	Yes		No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Yes	Yes		No

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 - 04	Chromium (and its compounds)	Yes	Yes	No
NA - 11	Nickel (and its compounds)	Yes	Yes	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 - 04	Chromium (and its compounds)	Yes	No	Yes
NA - 11	Nickel (and its compounds)	Yes	No	Yes

General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
NA - 04	Chromium (and its compounds)	For on-site use/processing	As an article component	As a physical or chemical processing aid As a manufacturing aid
NA - 11	Nickel (and its compounds)	For on-site use/processing	As an article component	As a physical or chemical processing aid As a manufacturing aid

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 04	Chromium (and its compounds)	Use	1.3 tonnes	Yes
NA - 04	Chromium (and its compounds)	Creation	0 tonnes	Yes
NA - 04	Chromium (and its compounds)	Contained in Product	0.87 tonnes	Yes
NA - 11	Nickel (and its compounds)	Use	2.7 tonnes	Yes
NA - 11	Nickel (and its compounds)	Creation	0 tonnes	Yes
NA - 11	Nickel (and its compounds)	Contained in Product	2.2 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Use	0.100 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Creation	0.100 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Contained in Product		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Use	0.100 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Creation	0.100 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Contained in Product		

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 the quantifications	Significant Process Change
NA - 04	Chromium (and its compounds)					No
NA - 11	Nickel (and its compounds)	The data for analysis was collected from updated purchasing records database system. In the past estimates based on more manual based method.	As a result of implementing a recommendation made by a toxic reduction planner to change the method	This change gives a more accurate representation of what is contained in product.		No
NA - M09	PM10 - Particulate Matter <= 10 Microns					No
	PM2.5 -					

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
NA - M10	Particulate Matter <= 2.5 Microns					No

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - M09	PM10 - Particulate Matter <= 10 Microns	Stack or Point Releases	E1 - Site Specific Emission Factors		0.1010 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Fugitive Releases	E1 - Site Specific Emission Factors		0.8931 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack or Point Releases	E1 - Site Specific Emission Factors		0.1009 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Fugitive Releases	E1 - Site Specific Emission Factors		0.8931 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - M09	PM10 - Particulate Matter <= 10 Microns	0.9941 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	0.9940 tonnes

Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 04	Chromium (and its compounds)	Total Quantity Released	E1 - Site Specific Emission Factors		0.001 tonnes
NA - 11	Nickel (and its compounds)	Total Quantity Released	E1 - Site Specific Emission Factors		0.0101 tonnes

On-site Releases - Total

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 - M09	PM10 - Particulate Matter <= 10 Microns	9	9	9	9	9	9	5.67	9	9	9	9	4.33
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	9	9	9	9	9	9	5.67	9	9	9	9	4.33

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
NA - 04	Chromium (and its compounds)	Changes in production levels	
NA - 11	Nickel (and its compounds)	Changes in production levels	
NA - M09	PM10 - Particulate Matter <= 10 Microns	Changes in production levels	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Changes in production levels	

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

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 04	Chromium (and its compounds)	Chemical Treatment	O - Engineering Estimates		0.074 tonnes
NA - 04	Chromium (and its compounds)	Municipal Sewage Treatment Plant	O - Engineering Estimates		0.0004 tonnes
NA - 11	Nickel (and its compounds)	Chemical Treatment	O - Engineering Estimates		0.34 tonnes
NA - 11	Nickel (and its compounds)	Incineration / Thermal	M3 - Source Testing		0.745 tonnes
NA - 11	Nickel (and its compounds)	Municipal Sewage Treatment Plant	O - Engineering Estimates		0.001 tonnes

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

CAS RN	Substance Name	Total - Treatment Prior to Final Disposal
NA - 04	Chromium (and its compounds)	0.0744 tonnes
NA - 11	Nickel (and its compounds)	1.086 tonnes

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

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 04	Chromium (and its compounds)	Chemical Treatment	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	0.074 tonnes

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 04	Chromium (and its compounds)	Chemical Treatment	Lakeview Sewage Treatment Plant	1300 Lakeshore Rd., Mississauga, ON, Canada	
NA - 04	Chromium (and its compounds)	Chemical Treatment	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	
NA - 04	Chromium (and its compounds)	Chemical Treatment	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 04	Chromium (and its compounds)	Municipal Sewage Treatment Plant	Lakeview Sewage Treatment Plant	1300 Lakeshore Rd., Mississauga, ON, Canada	0.0004 tonnes
NA - 11	Nickel (and its compounds)	Chemical Treatment	Lakeview Sewage Treatment Plant	1300 Lakeshore Rd., Mississauga, ON, Canada	
NA - 11	Nickel (and its compounds)	Chemical Treatment	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	
NA - 11	Nickel (and its compounds)	Chemical Treatment	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	0.34 tonnes
NA - 11	Nickel (and its compounds)	Incineration / Thermal	Lakeview Sewage Treatment Plant	1300 Lakeshore Rd., Mississauga, ON, Canada	
NA - 11	Nickel (and its compounds)	Incineration / Thermal	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	
NA - 11	Nickel (and its compounds)	Incineration / Thermal	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	0.745 tonnes
NA - 11	Nickel (and its compounds)	Incineration / Thermal	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	
NA - 11	Nickel (and its compounds)	Incineration / Thermal	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 11	Nickel (and its compounds)	Incineration / Thermal	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 11	Nickel (and its compounds)	Municipal Sewage Treatment Plant	Lakeview Sewage Treatment Plant	1300 Lakeshore Rd., Mississauga, ON, Canada	0.001 tonnes
NA - 11	Nickel (and its compounds)	Municipal Sewage Treatment Plant	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	
NA - 11	Nickel (and its compounds)	Municipal Sewage Treatment Plant	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 11	Nickel (and its compounds)	Municipal Sewage Treatment Plant	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	
NA - 11	Nickel (and its compounds)	Municipal Sewage Treatment Plant	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 11	Nickel (and its compounds)	Municipal Sewage Treatment Plant	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	

Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
NA - 04	Chromium (and its compounds)	0.0744 tonnes
NA - 11	Nickel (and its compounds)	1.086 tonnes

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
NA - 04	Chromium (and its compounds)	Production residues Off-specification products Expiration date passed Unusable parts or discards Pollution abatement residues Machine or finishing residues	Changes in production levels	
NA - 11	Nickel (and its compounds)	Production residues Off-specification products Unusable parts or discards Pollution abatement residues Machine or finishing residues	Changes in production levels	Nickel levels raised because of contamination of processing tank resulting in higher level of disposal.

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	O - Engineering Estimates		0.8 tonnes
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		1.5 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 04	Chromium (and its compounds)	0.8 tonnes
NA - 11	Nickel (and its compounds)	1.5 tonnes

Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Lakeview Sewage Treatment Plant	1300 Lakeshore Rd., Mississauga, ON, Canada	
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	0.8 tonnes
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	Lakeview Sewage Treatment Plant	1300 Lakeshore Rd., Mississauga, ON, Canada	
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	1.5 tonnes
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	American Iron & Metal Company Inc.	1213, Ave. Industrielle, Québec, QC, Canada	
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Toronto	55 Vulcan St., Toronto, ON, Canada	

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
NA - 04	Chromium (and its compounds)	Production Residues Off-specification products Contaminated materials Unusable parts or discards Machine or finishing residues	Changes in production levels	
NA - 11	Nickel (and its compounds)	Production Residues Off-specification products Expiration date passed Contaminated materials Unusable parts or discards Machine or finishing residues	Changes in production levels	

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
NA - 04	Chromium (and its compounds)	No	Enters the facility (Use)	1.3 tonnes	1.7 tonnes	2015	-0.4	-23.53
NA - 04	Chromium (and its compounds)	No	Creation	0 tonnes	0 tonnes	2012	0	
NA - 04	Chromium (and its compounds)	No	Contained in Product	0.87 tonnes	0.55 tonnes	2015	0.32	58.18
NA - 11	Nickel (and its compounds)	No	Enters the facility (Use)	2.7 tonnes	4.03 tonnes	2015	-1.33	-33.00
NA - 11	Nickel (and its compounds)	No	Creation	0 tonnes	0 tonnes	2012	0	
NA - 11	Nickel (and its compounds)	No	Contained in Product	2.2 tonnes	1.61 tonnes	2015	0.59	36.65
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Enters the facility (Use)	0.100 tonnes	1.011 tonnes	2015	-0.911	-90.11
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Creation	0.100 tonnes	0.118 tonnes	2015	-0.018	-15.25
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Enters the facility (Use)	0.100 tonnes	1.007 tonnes	2015	-0.907	-90.07
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Creation	0.100 tonnes	0.118 tonnes	2015	-0.018	-15.25

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 04	Chromium (and its compounds)	No reasons - quantities approximately the same	
NA - 11	Nickel (and its compounds)	No reasons - quantities approximately the same Increase in production levels	
NA - M09	PM10 - Particulate Matter <= 10 Microns	Decrease in production levels	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No reasons - quantities approximately the same Decrease in production levels	

Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 04	Chromium (and its compounds)	No	Total Releases to Air	0 tonnes				
NA - 04	Chromium (and its compounds)	No	Total Releases to Water	0 tonnes				
NA - 04	Chromium (and its compounds)	No	Total Releases to Land	0 tonnes				
NA - 04	Chromium (and its compounds)	No	Total Releases to All Media	0.001 tonnes	0.003 tonnes	2015	-0.002	-66.67
NA - 11	Nickel (and its compounds)	No	Total Releases to Air	0 tonnes				
NA - 11	Nickel (and its compounds)	No	Total Releases to Water	0 tonnes				
NA - 11	Nickel (and its compounds)	No	Total Releases to Land	0 tonnes				
NA - 11	Nickel (and its compounds)	No	Total Releases to All Media	0.0101 tonnes	0.0103 tonnes	2015	-0.0002	-1.94
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Air	0.9941 tonnes	1.011 tonnes	2015	-0.0169	-1.67
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to All Media	0 tonnes				
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Air	0.9940 tonnes	1.007 tonnes	2015	-0.0130	-1.29
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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
NA - 04	Chromium (and its compounds)	No reasons - quantities approximately the same	
NA - 11	Nickel (and its compounds)	Increase in production levels	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No reasons - quantities approximately the same	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No reasons - quantities approximately the same	

Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 04	Chromium (and its compounds)	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
NA - 04	Chromium (and its compounds)	No	Total Off-site Disposals	0 tonnes	0 tonnes	2012	0	
NA - 04	Chromium (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	0.0744 tonnes	0.037 tonnes	2015	0.0374	101.08
NA - 04	Chromium (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
NA - 04	Chromium (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
NA - 11	Nickel (and its compounds)	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
NA - 11	Nickel (and its compounds)	No	Total Off-site Disposals	0 tonnes	0 tonnes	2012	0	
NA - 11	Nickel (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	1.086 tonnes	0.483 tonnes	2014	0.603	124.84
NA - 11	Nickel (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
NA - 11	Nickel (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	

Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 04	Chromium (and its compounds)	Increase in production levels	

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 11	Nickel (and its compounds)	No reasons - quantities approximately the same Other	Change in nickel levels the result of contamination of nickel processing tank, causing higher level of disposed material.

Comparison Report - Transfers off-site for Recycling

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 04	Chromium (and its compounds)	No	Total off-site Transfers for Recycling	0.8 tonnes	0.97 tonnes	2015	-0.17	-17.53
NA - 11	Nickel (and its compounds)	No	Total off-site Transfers for Recycling	1.5 tonnes	1.42 tonnes	2015	0.08	5.63

Comparison Report - Transfers off-site for Recycling - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 04	Chromium (and its compounds)	No reasons - quantities approximately the same	
NA - 11	Nickel (and its compounds)	No reasons - quantities approximately the same	

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
NA - 04	Chromium (and its compounds)	Orenda Aerospace will strive to reduce the use of Chromium at its facility where feasible. This will be done while providing our customers and colleagues with defect free products and services in conformance with agreed requirements.
NA - 11	Nickel (and its compounds)	Orenda Aerospace will strive to reduce the use of Nickel at its facility where feasible. This will be done while providing our customers and colleagues with defect free products and services in conformance with agreed requirements.
NA - M09	PM10 - Particulate Matter <= 10 Microns	MAM Aerospace will strive to reduce particulate matter (PM10 & PM2.5) at its facility where feasible. This will be done while providing our customers and colleagues with defect free products and services in conformance with agreed requirements.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	MAM Aerospace will strive to reduce particulate matter (PM10 & PM2.5) at its facility where feasible. This will be done while providing our customers and colleagues with defect free products and services in conformance with agreed requirements.

Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 04	Chromium (and its compounds)	No quantity target	No timeline target	
NA - 11	Nickel (and its compounds)	11.72 kg	1	Reduce amount of rinse water and time of rinsing during the nickel plating process. A target of a 10% reduction has been set.
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No quantity target	No timeline target	

Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 04	Chromium (and its compounds)	No quantity target	No timeline target	
NA - 11	Nickel (and its compounds)	No quantity target	No timeline target	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	improvements were made to the rinse operations	Improvements were made to the operations related to rinse process to reduce the amount of nickel entering the waste stream.	The plan was implemented as stated in the plan during the reporting period.	Improvements were made to the operations related to rinse process to reduce the amount of nickel entering the waste stream.

Progress on TRA Plan - Reductions due to Options Implemented - Equipment or process modifications

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	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
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	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
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	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
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	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
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	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
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	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
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	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
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	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
NA - 11	Nickel (and its compounds)	Improved rinse equipment operations	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
NA - 04	Chromium (and its compounds)	No		
NA - 11	Nickel (and its compounds)	No		
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - 04	Chromium (and its compounds)	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	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.	
NA - 04	Chromium (and its compounds)	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.	
NA - 04	Chromium (and its compounds)	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 04	Chromium (and its compounds)	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.	
NA - 04	Chromium (and its compounds)	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.	
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	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.	
NA - 11	Nickel (and its compounds)	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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - 11	Nickel (and its compounds)	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 11	Nickel (and its compounds)	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.	
NA - 11	Nickel (and its compounds)	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.	
NA - 11	Nickel (and its compounds)	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	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.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	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.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	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.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	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.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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
NA - 04	Chromium (and its compounds)	No		
NA - 11	Nickel (and its compounds)	No		
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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

Magellan Aerospace, Mississauga

Certifying Official (or authorized delegate)

David Windrim

Report Submitted by

Korry Frew

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 29/05/2017, I, Korry Frew, 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
NA - 04	Chromium (and its compounds)
NA - 11	Nickel (and its compounds)
NA - M09	PM10 - Particulate Matter <= 10 Microns
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns

Company Name

Magellan Aerospace, Mississauga

Highest Ranking Employee

Korry Frew

Report Submitted by

Korry Frew

Website address

http://magellan.aero/wp-content/uploads/Magellan%20TRP%20Summaries.pdf

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
2016	29/05/2017	Magellan Aerospace, Mississauga	Ontario	Mississauga	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.

Version: 3.11.4



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National Pollutant Release Inventory (NPRI) and



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SWIM > 2016 > Magellan Aerospace Limited, Haley > Magellan Aerospace, Haley > Report Preview

Report Preview

Report Details

Report Year	2016
Report Type:	NPRI,ON MOE TRA
Report Status:	Submitted
Modified Date/Time:	31/05/2017 3:00 PM

Company and Facility Details

Company Name:	Magellan Aerospace Limited, Haley
Business Number:	870261690
Mailing Address:	Address Line 1: 634 Magnesium Road City, Province/Territory, Postal Code: Haley Ontario K0J1Y0 Country: Canada
Facility Name:	Magellan Aerospace, Haley
NAICS Code:	331529
NPRI ID:	7080
Physical Address:	Address Line 1: 0 - 634 Magnesium Road East City, Province/Territory, Postal Code: Haley Ontario K0J1Y0 Country: Canada Latitude: 45.5964 Longitude: -76.7552 UTM Zone: 18 UTM Easting: 363506 UTM Northing: 5050730

Parent Companies

Company Name:	Magellan Aerospace Limited
Business Number:	870261690
Mailing Address:	Address Line 1: 3160 Derry Road East City, Province/Territory, Postal Code: Mississauga Ontario L4T1A9 Country: Canada

Contacts Details

Contact Type	Technical Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Tyler Armstrong
Position:	Environmental Manager
Telephone:	6134328846
Fax:	6134323986
Email:	tyler.armstrong@magellan.aero

Contact Type	Certifying Official, Highest Ranking Employee, Public Contact
Name:	Jim Lemenchick
Position:	General Manager
Telephone:	6134328846
Fax:	6134323986x0
Email:	jim.lemenchick@magellan.aero
Contact Type	Contractor Contact
Name:	Ulla Jokinen
Position:	Managing Consultant
Telephone:	6139626301
Fax:	4163911931
Email:	ujokinen@trinityconsultants.com
Independent contractor/consultant company name:	Trinity Consultants Ontario Inc.

General Information

Number of employees:	480
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
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:	Yes
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:	No
Operating Schedule - Days of the Week:	Mon, Tue, Wed, Thu, Fri
Usual Number of Operating Hours per day:	19
Usual Daily Start Time (24h) (hh:mm):	07:00

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
80-05-7	Bisphenol A	N/A	N/A	N/A	N/A	kg
101-68-8	Methylenebis(phenylisocyanate)	N/A	N/A	0.0730	N/A	tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	3.5640	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	1.8770	N/A	N/A	N/A	tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	N/A	N/A	0.0750	N/A	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	37.2890	10.6180	N/A	N/A	tonnes
NA - 14	Zinc (and its compounds)	0.0850	N/A	0.1480	2.3710	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
80-05-7	Bisphenol A	Yes	Yes		No

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
101-68-8	Methylenebis(phenylisocyanate)	Yes	Yes		No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Yes	Yes		No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Yes	Yes		No
9016-87-9	Polymeric diphenylmethane diisocyanate	Yes	Yes		No
NA - M16	Volatile Organic Compounds (VOCs)	Yes	Yes		No
NA - 14	Zinc (and its compounds)	Yes	Yes		No

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
80-05-7	Bisphenol A	No	No	No
101-68-8	Methylenebis(phenylisocyanate)	No	No	No
9016-87-9	Polymeric diphenylmethane diisocyanate	No	No	No
NA - M16	Volatile Organic Compounds (VOCs)		No	Yes
NA - 14	Zinc (and its compounds)	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
80-05-7	Bisphenol A	No	No	No
101-68-8	Methylenebis(phenylisocyanate)	Yes	No	No
9016-87-9	Polymeric diphenylmethane diisocyanate	Yes	No	No
NA - M16	Volatile Organic Compounds (VOCs)			
NA - 14	Zinc (and its compounds)	Yes	No	Yes

General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
80-05-7	Bisphenol A		As a reactant	
101-68-8	Methylenebis(phenylisocyanate)		As a reactant	
9016-87-9	Polymeric diphenylmethane diisocyanate		As a reactant	
NA - M16	Volatile Organic Compounds (VOCs)			
NA - 14	Zinc (and its compounds)		As a formulation component	

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
80-05-7	Bisphenol A	Use	634.800 kg	Yes
80-05-7	Bisphenol A	Creation	0 kg	Yes
80-05-7	Bisphenol A	Contained in Product	12.696 kg	Yes
101-68-8	Methylenebis(phenylisocyanate)	Use	19.622 tonnes	Yes
101-68-8	Methylenebis(phenylisocyanate)	Creation	0 tonnes	Yes
101-68-8	Methylenebis(phenylisocyanate)	Contained in Product	0 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Use	0 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Creation	74.369 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Contained in Product		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Use	0 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Creation	35.907 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Contained in Product		
9016-87-9	Polymeric diphenylmethane diisocyanate	Use	20.156 tonnes	Yes
9016-87-9	Polymeric diphenylmethane diisocyanate	Creation	0 tonnes	Yes
9016-87-9	Polymeric diphenylmethane diisocyanate	Contained in Product	0 tonnes	Yes
NA - M16	Volatile Organic Compounds (VOCs)	Use		Yes
NA - M16	Volatile Organic Compounds (VOCs)	Creation		Yes
NA - M16	Volatile Organic Compounds (VOCs)	Contained in Product		
NA - 14	Zinc (and its compounds)	Use	13.422 tonnes	Yes
NA - 14	Zinc (and its compounds)	Creation	0 tonnes	Yes

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 14	Zinc (and its compounds)	Contained in Product	1.612 tonnes	Yes

TRA Quantifications - VOC Breakdown List

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity
98-00-0	Furfuryl alcohol	Use	5.237 tonnes
98-00-0	Furfuryl alcohol	Creation	0 tonnes
64742-94-5	Heavy aromatic solvent naphtha	Use	27.799 tonnes
64742-94-5	Heavy aromatic solvent naphtha	Creation	0 tonnes
64742-47-8	Hydrotreated light distillate	Use	0.812 tonnes
64742-47-8	Hydrotreated light distillate	Creation	0 tonnes
67-63-0	Isopropyl alcohol	Use	8.218 tonnes
67-63-0	Isopropyl alcohol	Creation	0 tonnes
64742-95-6	Light aromatic solvent naphtha	Use	0.588 tonnes
64742-95-6	Light aromatic solvent naphtha	Creation	0 tonnes

TRA Quantifications - Total Speciated VOCs

Use, Creation, Contained in Product	Quantity
Use	42.654 tonnes
Creation	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
80-05-7	Bisphenol A					No
101-68-8	Methylenebis(phenylisocyanate)					No
NA - M09	PM10 - Particulate Matter <= 10 Microns					No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns					No
9016-87-9	Polymeric diphenylmethane diisocyanate					No
NA - M16	Volatile Organic Compounds (VOCs)					No
NA - 14	Zinc (and its compounds)					No

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - M09	PM10 - Particulate Matter <= 10 Microns	Stack or Point Releases	O - Engineering Estimates		3.564 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack or Point Releases	O - Engineering Estimates		1.877 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Stack or Point Releases	O - Engineering Estimates		37.289 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Other Sources - Speciated VOCs	NA - Not Applicable		37.289 tonnes
NA - 14	Zinc (and its compounds)	Stack or Point Releases	O - Engineering Estimates		0.084 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - M09	PM10 - Particulate Matter <= 10 Microns	3.564 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	1.877 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	37.289 tonnes
NA - 14	Zinc (and its compounds)	0.084 tonnes

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

Category	CAS RN	Substance Name	Quantity
Other Sources - Speciated VOCs	98-00-0	Furfuryl alcohol	5.237 tonnes
Other Sources - Speciated VOCs	64742-94-5	Heavy aromatic solvent naphtha	1.626 tonnes
Other Sources - Speciated VOCs	64742-47-8	Hydrotreated light distillate	0.812 tonnes
Other Sources - Speciated VOCs	67-63-0	Isopropyl alcohol	2.355 tonnes
Other Sources - Speciated VOCs	64742-95-6	Light aromatic solvent naphtha	0.588 tonnes

On-site Releases - Releases to water

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 14	Zinc (and its compounds)	Direct Discharges	M1 - Continuous Emission Monitoring		0.001 tonnes

On-site Releases - Releases to water - Total

CAS RN	Substance Name	Total - Releases to Water
NA - 14	Zinc (and its compounds)	0.001 tonnes

On-site Releases - Releases to water - Waterbody Breakdown List

CAS RN	Substance Name	Category	Water Body Name	Water Shed ID	Quantity
NA - 14	Zinc (and its compounds)	Direct Discharges	McLarens Creek		0.001 tonnes

On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 14	Zinc (and its compounds)	0.085 tonnes

On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NA - 14	Zinc (and its compounds)	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 - M09	PM10 - Particulate Matter <= 10 Microns	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34
NA - M16	Volatile Organic Compounds (VOCs)	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34

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
101-68-8	Methylenebis(phenylisocyanate)	No significant change (i.e. < 10%) or no change	
80-05-7	Bisphenol A	No significant change (i.e. < 10%) or no change	
9016-87-9	Polymeric diphenylmethane diisocyanate	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 - M09	PM10 - Particulate Matter <= 10 Microns	No significant change (i.e. < 10%) or no change	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No significant change (i.e. < 10%) or no change	
NA - M16	Volatile Organic Compounds (VOCs)	Changes in production levels	

Disposals - On-site Disposal (excluding Tailings and Waste Rock)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 14	Zinc (and its compounds)	Landfill	O - Engineering Estimates		0.148 tonnes

Disposals - On-site Disposal (excluding Tailings and Waste Rock) - Total

CAS RN	Substance Name	Total - On-site Disposals
NA - 14	Zinc (and its compounds)	0.148 tonnes

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

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
101-68-8	Methylenebis(phenylisocyanate)	Incineration / Thermal	C - Mass Balance		0.073 tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	Incineration / Thermal	C - Mass Balance		0.075 tonnes

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

CAS RN	Substance Name	Total - Treatment Prior to Final Disposal
101-68-8	Methylenebis(phenylisocyanate)	0.073 tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	0.075 tonnes

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

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
101-68-8	Methylenebis(phenylisocyanate)	Incineration / Thermal	Anachemia Ltd.	255, Norman, Lachine, QC, Canada	0.073 tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	Incineration / Thermal	Anachemia Ltd.	255, Norman, Lachine, QC, Canada	0.075 tonnes

Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
101-68-8	Methylenebis(phenylisocyanate)	0.073 tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	0.075 tonnes
NA - 14	Zinc (and its compounds)	0.148 tonnes

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
101-68-8	Methylenebis(phenylisocyanate)	Production residues	Other (specify in On-site Releases comment field)	Only some waste material containing the substance was sent off-site in 2016.
80-05-7	Bisphenol A		No significant change (i.e. < 10%) or no change	
9016-87-9	Polymeric diphenylmethane diisocyanate	Production residues	Other (specify in On-site Releases comment field)	Only some waste material containing the substance was sent off-site in 2016.
NA - 14	Zinc (and its compounds)	Production residues	Changes in production levels	

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 14	Zinc (and its compounds)	Recovery of Metals and Metal Compounds	O - Engineering Estimates		2.371 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 14	Zinc (and its compounds)	2.371 tonnes

Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 14	Zinc (and its compounds)	Recovery of Metals and Metal Compounds	Anachemia Ltd.	255, Norman, Lachine, QC, Canada	
NA - 14	Zinc (and its compounds)	Recovery of Metals and Metal Compounds	Central Machinery & Metals - Division of Marx Metals Ltd.	89 Fenmar Dr., North York, ON, Canada	2.371 tonnes

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
101-68-8	Methylenebis(phenylisocyanate)		No significant change (i.e. < 10%) or no change	
80-05-7	Bisphenol A		No significant change (i.e. < 10%) or no change	
9016-87-9	Polymeric diphenylmethane diisocyanate		No significant change (i.e. < 10%) or no change	
NA - 14	Zinc (and its compounds)	Production Residues	Changes in production levels	

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
80-05-7	Bisphenol A	No	Enters the facility (Use)	634.800 kg	607 kg	2014	27.800	4.58
80-05-7	Bisphenol A	No	Creation	0 kg	0 kg	2014	0	
80-05-7	Bisphenol A	No	Contained in Product	12.696 kg	12.144 kg	2014	0.552	4.55
98-00-0	Furfuryl alcohol	Yes	Enters the facility (Use)	5.237 tonnes	4.820 tonnes	2015	0.417	8.65
98-00-0	Furfuryl alcohol	Yes	Creation	0 tonnes	0 tonnes	2015	0	
64742-94-5	Heavy aromatic solvent naphtha	Yes	Enters the facility (Use)	27.799 tonnes	27.188 tonnes	2015	0.611	2.25
64742-94-5	Heavy aromatic solvent naphtha	Yes	Creation	0 tonnes	0 tonnes	2015	0	
64742-47-8	Hydrotreated light distillate	Yes	Enters the facility (Use)	0.812 tonnes	0.812 tonnes	2015	0.000	0

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
64742-47-8	Hydrotreated light distillate	Yes	Creation	0 tonnes	0 tonnes	2015	0	
67-63-0	Isopropyl alcohol	Yes	Enters the facility (Use)	8.218 tonnes	8.790 tonnes	2015	-0.572	-6.51
67-63-0	Isopropyl alcohol	Yes	Creation	0 tonnes	0 tonnes	2015	0	
64742-95-6	Light aromatic solvent naphtha	Yes	Enters the facility (Use)	0.588 tonnes	1.057 tonnes	2015	-0.469	-44.37
64742-95-6	Light aromatic solvent naphtha	Yes	Creation	0 tonnes	0 tonnes	2015	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Enters the facility (Use)	19.622 tonnes	19.580 tonnes	2015	0.042	0.21
101-68-8	Methylenebis(phenylisocyanate)	No	Creation	0 tonnes	0 tonnes	2015	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Contained in Product	0 tonnes	0 tonnes	2015	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2015	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Creation	74.369 tonnes	74.434 tonnes	2015	-0.065	-0.09
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2015	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Creation	35.907 tonnes	35.966 tonnes	2015	-0.059	-0.16
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Enters the facility (Use)	20.156 tonnes	20.088 tonnes	2015	0.068	0.34
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Creation	0 tonnes	0 tonnes	2015	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Contained in Product	0 tonnes	0 tonnes	2015	0	
NA - 14	Zinc (and its compounds)	No	Enters the facility (Use)	13.422 tonnes	25.759 tonnes	2015	-12.337	-47.89
NA - 14	Zinc (and its compounds)	No	Creation	0 tonnes	0 tonnes	2015	0	
NA - 14	Zinc (and its compounds)	No	Contained in Product	1.612 tonnes	2.306 tonnes	2015	-0.694	-30.10

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
80-05-7	Bisphenol A	No reasons - quantities approximately the same	
101-68-8	Methylenebis(phenylisocyanate)	No reasons - quantities approximately the same	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No reasons - quantities approximately the same	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No reasons - quantities approximately the same	
9016-87-9	Polymeric diphenylmethane diisocyanate	No reasons - quantities approximately the same	
NA - M16	Volatile Organic Compounds (VOCs)	No reasons - quantities approximately the same Decrease in production levels	
NA - 14	Zinc (and its compounds)	Decrease in production levels	

Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
98-00-0	Furfuryl alcohol	Yes	Total Releases to Air	5.237 tonnes	4.820 tonnes	2015	0.417	8.65
64742-94-5	Heavy aromatic solvent naphtha	Yes	Total Releases to Air	1.626 tonnes	1.566 tonnes	2015	0.060	3.83
64742-47-8	Hydrotreated light distillate	Yes	Total Releases to Air	0.812 tonnes	0.812 tonnes	2015	0.000	0
67-63-0	Isopropyl alcohol	Yes	Total Releases to Air	2.355 tonnes	2.668 tonnes	2015	-0.313	-11.73
64742-95-6	Light aromatic solvent naphtha	Yes	Total Releases to Air	0.588 tonnes	1.057 tonnes	2015	-0.469	-44.37
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Air	3.564 tonnes	3.630 tonnes	2015	-0.066	-1.82
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2015	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Air	1.877 tonnes	1.935 tonnes	2015	-0.058	-3.00
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2015	0	
NA - 14	Zinc (and its compounds)	No	Total Releases to Air	0.084 tonnes	0.091 tonnes	2015	-0.007	-7.69
NA - 14	Zinc (and its compounds)	No	Total Releases to Water	0.001 tonnes	0.001 tonnes	2015	0.000	0
NA - 14	Zinc (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
NA - 14	Zinc (and its compounds)	No	Total Releases to All Media	0 tonnes	0 tonnes	2015	0	

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - M09	PM10 - Particulate Matter <= 10 Microns	No reasons - quantities approximately the same	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No reasons - quantities approximately the same	
NA - M16	Volatile Organic Compounds (VOCs)	No reasons - quantities approximately the same Decrease in production levels	
NA - 14	Zinc (and its compounds)	No reasons - quantities approximately the same	

Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
101-68-8	Methylenebis(phenylisocyanate)	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Total Off-site Disposals	0 tonnes	0 tonnes	2015	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Total Off-site transfer for treatment Prior to Final Disposal	0.073 tonnes	0.299 tonnes	2015	-0.226	-75.59
101-68-8	Methylenebis(phenylisocyanate)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Off-site Disposals	0 tonnes	0 tonnes	2015	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Off-site transfer for treatment Prior to Final Disposal	0.075 tonnes	0.307 tonnes	2015	-0.232	-75.57
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
NA - 14	Zinc (and its compounds)	No	Total On-site Disposals	0.148 tonnes	0.283 tonnes	2015	-0.135	-47.70
NA - 14	Zinc (and its compounds)	No	Total Off-site Disposals	0 tonnes	0 tonnes	2015	0	
NA - 14	Zinc (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	0 tonnes	0 tonnes	2015	0	
NA - 14	Zinc (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
NA - 14	Zinc (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	

Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
101-68-8	Methylenebis(phenylisocyanate)	Other	Only some waste material containing the substance was sent off-site in 2016.
9016-87-9	Polymeric diphenylmethane diisocyanate	Other	Only some waste material containing the substance was sent off-site in 2016.
NA - 14	Zinc (and its compounds)	Decrease in production levels	

Comparison Report - Transfers off-site for Recycling

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 14	Zinc (and its compounds)	No	Total off-site Transfers for Recycling	2.371 tonnes	3.269 tonnes	2015	-0.898	-27.47

Comparison Report - Transfers off-site for Recycling - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 14	Zinc (and its compounds)	Decrease in production levels	

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

Yes

Pollution Prevention Activities

Category	Activity	Name and description of the other activity
Equipment or Process Modifications		
Good Operating Practice or Training	Training related to pollution prevention	
Inventory Management or Purchasing Techniques		
Materials or feedstock substitution		
On-site Re-use, Recycling, or Recovery		
Other Pollution Prevention Activities		
Product Design or Reformulation		
Spill or Leak Prevention Activities		

Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
80-05-7	Bisphenol A	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
98-00-0	Furfuryl alcohol	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
64742-94-5	Heavy aromatic solvent naphtha	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
64742-47-8	Hydrotreated light distillate	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
67-63-0	Isopropyl alcohol	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
64742-95-6	Light aromatic solvent naphtha	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
101-68-8	Methylenebis(phenylisocyanate)	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
NA - M09	PM10 - Particulate Matter <= 10 Microns	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the creation of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the creation of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
9016-87-9	Polymeric diphenylmethane diisocyanate	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.
NA - 14	Zinc (and its compounds)	The plan will determine the technical and economic feasibility of each identified reduction option to determine which, if any, are viable for implementation at this time. Magellan Aerospace Limited, Haley, does not currently intend to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified.

Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
80-05-7	Bisphenol A	No quantity target	No timeline target	
98-00-0	Furfuryl alcohol	No quantity target	No timeline target	

CAS RN	Substance Name	Quantity	Years	Description of Target
64742-94-5	Heavy aromatic solvent naphtha	No quantity target	No timeline target	
64742-47-8	Hydrotreated light distillate	No quantity target	No timeline target	
67-63-0	Isopropyl alcohol	No quantity target	No timeline target	
64742-95-6	Light aromatic solvent naphtha	No quantity target	No timeline target	
101-68-8	Methylenebis(phenylisocyanate)	No quantity target	No timeline target	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No quantity target	No timeline target	
9016-87-9	Polymeric diphenylmethane diisocyanate	No quantity target	No timeline target	
NA - 14	Zinc (and its compounds)	No quantity target	No timeline target	

Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
80-05-7	Bisphenol A	No quantity target	No timeline target	
98-00-0	Furfuryl alcohol	No quantity target	No timeline target	
64742-94-5	Heavy aromatic solvent naphtha	No quantity target	No timeline target	
64742-47-8	Hydrotreated light distillate	No quantity target	No timeline target	
67-63-0	Isopropyl alcohol	No quantity target	No timeline target	
64742-95-6	Light aromatic solvent naphtha	No quantity target	No timeline target	
101-68-8	Methylenebis(phenylisocyanate)	No quantity target	No timeline target	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No quantity target	No timeline target	
9016-87-9	Polymeric diphenylmethane diisocyanate	No quantity target	No timeline target	
NA - 14	Zinc (and its compounds)	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
80-05-7	Bisphenol A	No		
98-00-0	Furfuryl alcohol	No		
64742-94-5	Heavy aromatic solvent naphtha	No		
64742-47-8	Hydrotreated light distillate	No		
67-63-0	Isopropyl alcohol	No		
64742-95-6	Light aromatic solvent naphtha	No		
101-68-8	Methylenebis(phenylisocyanate)	No		
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No		
9016-87-9	Polymeric diphenylmethane diisocyanate	No		
NA - 14	Zinc (and its compounds)	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
80-05-7	Bisphenol A	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
80-05-7	Bisphenol A	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
80-05-7	Bisphenol A	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
80-05-7	Bisphenol A	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.	
80-05-7	Bisphenol A	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.	
80-05-7	Bisphenol A	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
80-05-7	Bisphenol A	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.	
80-05-7	Bisphenol A	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.	
80-05-7	Bisphenol A	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
9016-87-9	Polymeric diphenylmethane diisocyanate	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.	
9016-87-9	Polymeric diphenylmethane diisocyanate	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.	
9016-87-9	Polymeric diphenylmethane diisocyanate	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
9016-87-9	Polymeric diphenylmethane diisocyanate	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.	
9016-87-9	Polymeric diphenylmethane diisocyanate	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.	
9016-87-9	Polymeric diphenylmethane diisocyanate	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
NA - 14	Zinc (and its compounds)	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.	
NA - 14	Zinc (and its compounds)	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.	
NA - 14	Zinc (and its compounds)	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 14	Zinc (and its compounds)	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.	
NA - 14	Zinc (and its compounds)	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.	
NA - 14	Zinc (and its compounds)	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
80-05-7	Bisphenol A	No		
98-00-0	Furfuryl alcohol	No		
64742-94-5	Heavy aromatic solvent naphtha	No		
64742-47-8	Hydrotreated light distillate	No		
67-63-0	Isopropyl alcohol	No		
64742-95-6	Light aromatic solvent naphtha	No		
101-68-8	Methylenebis(phenylisocyanate)	No		
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No		
9016-87-9	Polymeric diphenylmethane diisocyanate	No		
NA - 14	Zinc (and its compounds)	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

Magellan Aerospace Limited, Haley

Certifying Official (or authorized delegate)

Report Submitted by

Jim Lemenchick

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 31/05/2017, I, Jim Lemenchick, 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
80-05-7	Bisphenol A
98-00-0	Furfuryl alcohol
64742-94-5	Heavy aromatic solvent naphtha
64742-47-8	Hydrotreated light distillate
67-63-0	Isopropyl alcohol
64742-95-6	Light aromatic solvent naphtha
101-68-8	Methylenebis(phenylisocyanate)
NA - M09	PM10 - Particulate Matter <= 10 Microns
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns
9016-87-9	Polymeric diphenylmethane diisocyanate
NA - M16	Volatile Organic Compounds (VOCs)
NA - 14	Zinc (and its compounds)

Company Name

Magellan Aerospace Limited, Haley

Highest Ranking Employee

Jim Lemenchick

Report Submitted by

Jim Lemenchick

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
2016	31/05/2017	Magellan Aerospace, Haley	Ontario	Haley	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.

Version: 3.11.4



Government of Canada
Le gouvernement du Canada

Canada.gc.ca (<http://www.canada.gc.ca/home.html>)

Services (<http://www.servicecanada.gc.ca/eng/home.shtml>)

Departments (<http://www.canada.gc.ca/aboutgov-ausujetgouv/depts/menu-eng.html>)

Français

Single Window (/)

Home (<https://ec.ss.ec.gc.ca/auth/en/Services>)

Submission Management ▾

Help ▾

My Profile:Terry Robinson ▾

Logout (/V003/Logout_Deconnexion)

Ec.gc.ca (<http://ec.gc.ca/default.asp?lang=En&n=FD9B0E51-1>)

SWIM (<https://ec.ss.ec.gc.ca/auth/en/Services>) 2016 (/) Magellan Aerospace, Kitchener (/)
Chicopee Manufacturing Limited (Update 1) (/) Report Preview

* indicates a required field, ** indicates a conditionally required field

Report Preview

Company Details

Name

Magellan Aerospace, Kitchener

Address

975 Wilson Avenue, Kitchener (Ontario)

Report Details

NPRI ID

5833

Report Status

Update 1 - Submitted

Report Year

2016

Report Type

DNMC

Facility Name

Chicopee Manufacturing Limited

Facility Address

975 Wilson Avenue, Kitchener (Ontario)

Update Comments

Re-submission by the highest ranking employees

Activity Details

Applicable Programs

Please select all that apply.

The following programs will be notified that the facility does not meet the reporting criteria.

Environment and Climate Change Canada Programs



NPRI - National Pollutant Release Inventory

Partnering Programs



ON MOE TRA - Ontario Ministry of the Environment for the Toxic Reductions Act



NFPREER - National Framework for Petroleum Refinery Emission Reductions

Contacts

Select the appropriate person from the drop-down menu for each contact.

Facility Contacts

Select the appropriate person from the drop-down menu for each contact.

Technical Contact: *

Terry Robinson

Certifying Official (or authorized delegate): *

Rick Moes

Highest Ranking Employee: *

Rick Moes

Person who prepared the report: *

Rick Moes

Person who coordinated the preparation of the Toxics Reduction Plan (required after a plan summary has been submitted)

Company Coordinator (optional)

Public Contact (optional)

Contractor Contact (optional)

If you are an independent contractor or consultant, please enter your company name in the field below

Facility Does Not Meet Reporting Criteria

Since you have indicated that this facility does not meet the reporting criteria for the identified program (or programs), please indicate the reason in the comments box below.

For NPRI

Enter Reason Facility Does Not Meet Criteria (DNMC) *

For ON MOE TRA

Exit Record - TRA Ceases to Apply for the Entire Facility

Special Note - Please be aware that a similar Exit Record is available if your facility(ies) only has certain prescribed substances that are no longer subject to the Act and the regulation.

Select the 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: *

Verify Facility Information

Company Information

Company Details

Company Legal Name

Magellan Aerospace, Kitchener

Business Number

870261690

Mailing Address

Delivery Mode

General Delivery

PO Box

Rural Route Number

Address Line 1

975 Wilson Avenue

City *

Kitchener

Province/Territory **

Ontario

Postal Code: **

N2C1J1

Country *

Canada

Facility Information

Facility *

Chicopee Manufacturing Limited

NAICS Code *

336410

Facility Physical Address

Address Line 1

975 Wilson Avenue

City

Kitchener

Province/Territory **

Ontario

Postal Code **

N2C1J1

Country

Canada

Additional Information

Land Survey Description

National Topographical Description

Latitude: 43.4101661Longitude: -80.4413183

Geographical Address

Latitude **

43.41017

Longitude **

-80.44142

UTM Zone **

17

UTM Easting **

542330

UTM Northing **

4806803

Facility Contacts

Contact Types

Technical Contact

First Name: *

Terry

Last Name: *

Robinson

Position: *

Environmental Coordinator

Telephone: *

5198937575

Ext

247

Fax

5198935952

Email: *

terry.robinson@magellan.aero

Certifying Official

First Name: *

Rick

Last Name: *

Moes

Position: *

General Manager

Telephone: *

5198937575

Ext

207

Fax

5198935952

Email: *

rick.moes@magellan.aero

Highest Ranking Employee

First Name: *

Rick

Last Name: *

Moes

Position: *

General Manager

Telephone: *

5198937575

Ext

207

Fax

5198935952

Email: *

rick.moes@magellan.aero

Mailing Address

Delivery Mode

General Delivery

PO Box

Rural Route Number

Address Line 1

975 Wilson Avenue

City *

Kitchener

Province/Territory **

Ontario

Postal Code: **

N2C1J1

Country *

Canada

Person who prepared the report

First Name: *

Rick

Last Name: *

Moes

Position: *

General Manager

Telephone: *

5198937575

Ext

207

Fax

5198935952

Email: *

rick.moes@magellan.aero

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Address Line 1

975 Wilson Avenue

City *

Kitchener

Province/Territory **

Ontario

Postal Code: **

N2C1J1

Country *

Canada

Public Contact

First Name: *

Rick

Last Name: *

Moes

Position: *

General Manager

Telephone: *

5198937575

Ext

207

Fax

5198935952

Email: *

rick.moes@magellan.aero

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

Magellan Aerospace, Kitchener

Certifying Official (or authorized delegate)

Rick Moes

Report Submitted by

Rick Moes

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

Exit Record Certification Statement

As of 07/04/2017, I Rick Moes, 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 Chicopee Manufacturing Limited and am familiar with their contents and to my knowledge they are factually accurate.

Company Name

Magellan Aerospace, Kitchener

Highest Ranking Employee

Rick Moes

Report Submitted by

Rick Moes

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

2016

07/04/2017

Chicopee Manufacturing Limited

Ontario

Kitchener

NPRI,ON MOE TRA

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HEALTH

healthy Canadians.gc.ca (<http://healthy Canadians.gc.ca/index-eng.php>)

TRAVEL

[travel.gc.ca](http://www.voyage.gc.ca) (<http://www.voyage.gc.ca/index-eng.asp>)

SERVICE CANADA

[servicecanada.gc.ca](http://www.servicecanada.gc.ca) (<http://www.servicecanada.gc.ca/eng/home.shtml>)

JOBS

[jobbank.gc.ca](http://www.jobbank.gc.ca) (<http://www.jobbank.gc.ca/intro-eng.aspx>)

ECONOMY

actionplan.gc.ca (<http://actionplan.gc.ca/eng/index.asp>)

Canada.gc.ca (<http://www.canada.gc.ca/home.html>)