

**Toxic Reduction Plan (Furfuryl alcohol)
For
Magellan Aerospace, Haley**

PLAN SUMMARY

BASIC FACILITY INFORMATION

Name & CAS # of substance(s)	Furfuryl alcohol (Part 5 VOC)	98-00-0
Facility Identification and Site Address		
Company Name	Magellan Aerospace	
Facility Name	Haley	
Facility Address	Physical Address:	Mailing Address (if different):
	634 Magnesium Road, Haley, Ontario K0J 1Y0	Same as physical address
Spatial Coordinates of Facility	5050730N, 363506E (Zone 18T)	<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	469	<i>Number of full-time employee equivalents</i>
NPRI ID	7080	<i>If known</i>
Ontario MOE ID Number	n/a	<i>If known</i>
Parent Company (PC) Information		
PC Name & Address	Magellan Aerospace Limited 3160 Derry Road, Mississauga, ON	
Percent Ownership for each PC	100	
Business Number for PC	870261690	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 - Manufacturing	
4 Digit NAICS Code	3315 - Foundries	
6 Digit NAICS Code	331529 - Non-Ferrous Foundries (except Die-Casting)	
Company Contact Information		
Facility Public Contact	Name: James Lemenchick	<i>Contact address if different from Facility Address:</i>
	Title: General Manager	
	Email: jim.lemenchick@magellan.aero	Same as facility address
	Phone: (613) 432-8846 ext. 242	
	Fax: (613) 432-0743	

**Toxic Reduction Plan (Furfuryl alcohol)
For
Magellan Aerospace, Haley**

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for Furfuryl alcohol prepared by Magellan Aerospace Limited dated December 23, 2014.

STATEMENT OF INTENT

Magellan Aerospace Limited is committed to playing a leadership role in protecting the environment. Whenever possible, Magellan Aerospace, Haley facility will continue to work to reduce the use, creation and discharge of toxic substances in full compliance with all federal and provincial regulations.

REDUCTION OBJECTIVES

Magellan Aerospace, Haley is currently unable to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified. Magellan Aerospace, Haley will continue to assess environmentally-friendly alternatives on an on-going basis.

DESCRIPTION OF SUBSTANCES

Furfuryl alcohol is a component of the binder chemicals used at the facility.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

No reduction options could be identified to reduce the use, creation, or releases of Furfuryl alcohol. A rationale as to why no option could be identified is provided for each category.

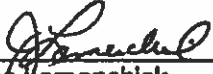
**Toxic Reduction Plan (Furfuryl alcohol)
For
Magellan Aerospace, Haley**

PLAN CERTIFICATIONS

CERTIFICATION BY HIGHEST RANKING EMPLOYEE:

As of December 23, 2014, I, James Lemenchick, certify that I have read the toxic substance reduction plan for the toxic substances referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (general) made under that Act.

Toxic Substance: Furfuryl alcohol (Part 5 VOC)



James Lemenchick
General Manager
Magellan Aerospace, Haley

CERTIFICATION BY LICENSED PLANNER:

As of December 23, 2014, I, Ulla Jokinen of Trinity Consultants Ontario Inc., certify that I am familiar with the processes at the Magellan Aerospace Ltd.'s Haley facility, that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection 4(1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 23, 2014 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: Furfuryl alcohol (Part 5 VOC)



Ulla Jokinen, B.Sc., C.E.T. of Trinity Consultants Ontario Inc.
Toxic Substance Reduction Planner
Planner License No: TSRP0090



Magellan Aerospace Haley, a division
of Magellan Aerospace Limited

Toxic Reduction Plan (Heavy aromatic solvent naphtha)
for
Magellan Aerospace, Haley

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	Heavy aromatic solvent naphtha (Part 5 VOC)	64742-94-5
Facility Identification and Site Address		
Facility Address	Physical Address	Mailing Address (if different)
	634 Magnesium Road Haley, Ontario K0J 1Y0	Same as physical address
Spatial Coordinates of Facility	5050730N, 363506E (Zone 18T)	<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	307	<i>Number of full-time employee equivalents</i>
NPRI ID	7080	<i>if known</i>
Ontario MOE ID Number	n/a	<i>if known</i>
Parent Company (PC) Information		
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON	
Percent Ownership for each PC	100	
Business Number for PC	894534346	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 — Manufacturing	
4 Digit NAICS Code	3315 — Foundries	
6 Digit NAICS Code	331529 — Non-Ferrous Foundries (except Die-Casting)	
Company Contact Information		
Facility Public Contact	Name: James Lemenchick	<i>Contact address if different from Facility Address</i>
	Title: General Manager	
	Email: jim.lemenchick@magellan.aero	Same as facility address
	Phone: (613) 432-8846 ext. 242 Fax: (613) 432-0743	

Date of Plan: December 11, 2013

Toxic Reduction Plan (Heavy aromatic solvent naphtha)
For
Magellan Aerospace, Haley

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for Heavy aromatic solvent naphtha prepared by Magellan Aerospace Limited dated December 11, 2013.

STATEMENT OF INTENT

Magellan Aerospace Limited is committed to playing a leadership role in protecting the environment. Whenever possible, the Magellan Aerospace, Haley facility will continue to work to reduce the use, creation and discharge of toxic substances in full compliance with all federal and provincial regulations.

REDUCTION OBJECTIVES

Magellan Aerospace, Haley is currently unable to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified. Magellan Aerospace, Haley will continue to assess environmentally-friendly alternatives on an on-going basis.

DESCRIPTION OF SUBSTANCES

Heavy aromatic solvent naphtha is a component of the binder chemicals used at the facility.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

No reduction options could be identified to reduce the use, creation, or releases of heavy aromatic solvent naphtha. A rationale as to why no option could be identified is provided for each category.

Date of Plan: December 11, 2013

**Toxic Reduction Plan (Heavy aromatic solvent naphtha)
For
Magellan Aerospace, Haley**

PLAN CERTIFICATIONS

CERTIFICATION BY HIGHEST RANKING EMPLOYEE:

As of December 11, 2013, I, James Lemenchick, certify that I have read the toxic substance reduction plan for the toxic substances referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (general) made under that Act.

Toxic Substance: Heavy aromatic solvent naphtha (Part 5 VOC)



James Lemenchick
General Manager
Magellan Aerospace, Haley

CERTIFICATION BY LICENSED PLANNER:

As of December 11, 2013, I, Ulla Jokinen of Trinity Consultants Ontario Inc., certify that I am familiar with the processes at the Magellan Aerospace Ltd.'s Haley facility, that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection 4(1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 11, 2013 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: Heavy aromatic solvent naphtha (Part 5 VOC)



Ulla Jokinen, B.Sc., C.E.T. of Trinity Consultants Ontario Inc.
Toxic Substance Reduction Planner
Planner License No: TSRP0090



Magellan Aerospace Haley, a division
of Magellan Aerospace Limited

Toxic Reduction Plan (Hydrotreated light distillate)
for
Magellan Aerospace, Haley

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	Hydrotreated light distillate (Part 5 VOC)	64742-47-8
Facility Identification and Site Address		
Facility Address	Physical Address	Mailing Address (if different)
	634 Magnesium Road Haley, Ontario K0J 1Y0	Same as physical address
Spatial Coordinates of Facility	5050730N, 363506E (Zone 18T)	<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	307	<i>Number of full-time employee equivalents</i>
NPRI ID	7080	<i>if known</i>
Ontario MOE ID Number	n/a	<i>if known</i>
Parent Company (PC) Information		
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON	
Percent Ownership for each PC	100	
Business Number for PC	894534346	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 — Manufacturing	
4 Digit NAICS Code	3315 — Foundries	
6 Digit NAICS Code	331529 — Non-Ferrous Foundries (except Die-Casting)	
Company Contact Information		
Facility Public Contact	Name: James Lemenchick	<i>Contact address if different from Facility Address</i>
	Title: General Manager	
	Email: jim.lemenchick@magellan.aero	Same as facility address
	Phone: (613) 432-8846 ext. 242	
	Fax: (613) 432-0743	

Date of Plan: December 11, 2013

**Toxic Reduction Plan (Hydrotreated light distillate)
For
Magellan Aerospace, Haley**

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for Hydrotreated light distillate prepared by Magellan Aerospace Limited dated December 11, 2013.

STATEMENT OF INTENT

Magellan Aerospace Limited is committed to playing a leadership role in protecting the environment. Whenever possible, the Magellan Aerospace, Haley facility will continue to work to reduce the use, creation and discharge of toxic substances in full compliance with all federal and provincial regulations.

REDUCTION OBJECTIVES

Magellan Aerospace, Haley is currently unable to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified. Magellan Aerospace, Haley will continue to assess environmentally-friendly alternatives on an on-going basis.

DESCRIPTION OF SUBSTANCES

Hydrotreated light distillate is a component of Ardrex 9704 used at the facility. Ardrex 9704 is a water washable fluorescent penetrant suitable for the detection of defects open to the surface in metal components.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

No reduction options could be identified to reduce the use, creation, or releases of Hydrotreated light distillate. A rationale as to why no option could be identified is provided for each category.

Date of Plan: December 11, 2013

**Toxic Reduction Plan (Hydrotreated light distillate)
For
Magellan Aerospace, Haley**

PLAN CERTIFICATIONS

CERTIFICATION BY HIGHEST RANKING EMPLOYEE:

As of December 11, 2013, I, James Lemenchick, certify that I have read the toxic substance reduction plan for the toxic substances referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (general) made under that Act.

Toxic Substance: Hydrotreated light distillate (Part 5 VOC)



James Lemenchick
General Manager
Magellan Aerospace, Haley

CERTIFICATION BY LICENSED PLANNER:

As of December 11, 2013, I, Ulla Jokinen of Trinity Consultants Ontario Inc., certify that I am familiar with the processes at the Magellan Aerospace Ltd.'s Haley facility, that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection 4(1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 11, 2013 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: Hydrotreated light distillate (Part 5 VOC)



Ulla Jokinen, B.Sc., C.E.T. of Trinity Consultants Ontario Inc.
Toxic Substance Reduction Planner
Planner License No: TSRP0090



Magellan Aerospace Haley, a division
of Magellan Aerospace Limited

Toxic Reduction Plan (Isopropyl Alcohol)
for
Magellan Aerospace, Haley

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	Isopropyl Alcohol	67-63-0
Facility Identification and Site Address		
Facility Address	Physical Address	Mailing Address (if different)
	634 Magnesium Road Haley, Ontario K0J 1Y0	Same as physical address
Spatial Coordinates of Facility	5050730N, 363506E (Zone 18T)	<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	307	<i>Number of full-time employee equivalents</i>
NPRI ID	7080	<i>if known</i>
Ontario MOE ID Number	n/a	<i>if known</i>
Parent Company (PC) Information		
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON	
Percent Ownership for each PC	100	
Business Number for PC	894534346	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 — Manufacturing	
4 Digit NAICS Code	3315 — Foundries	
6 Digit NAICS Code	331529 — Non-Ferrous Foundries (except Die-Casting)	
Company Contact Information		
Facility Public Contact	Name: James Lemenchick	<i>Contact address if different from Facility Address</i>
	Title: General Manager	
	Email: jim.lemenchick@magellan.aero	Same as facility address
	Phone: (613) 432-8846 ext. 242	
	Fax: (613) 432-0743	

Date of Plan: December 11, 2013

Toxic Reduction Plan (Isopropyl Alcohol)
For
Magellan Aerospace, Haley

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for Isopropyl Alcohol prepared by Magellan Aerospace Limited dated December 11, 2013.

STATEMENT OF INTENT

Magellan Aerospace Limited is committed to playing a leadership role in protecting the environment. Whenever possible, the Magellan Aerospace, Haley facility will continue to work to reduce the use, creation and discharge of toxic substances in full compliance with all federal and provincial regulations.

REDUCTION OBJECTIVES

Magellan Aerospace, Haley is currently unable to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified. Magellan Aerospace, Haley will continue to assess environmentally-friendly alternatives on an on-going basis.

DESCRIPTION OF SUBSTANCES

Isopropyl alcohol is a component of several cleaning chemicals used at the facility.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

No reduction options could be identified to reduce the use, creation, or releases of Isopropyl alcohol. A rationale as to why no option could be identified is provided for each category.

Date of Plan: December 11, 2013

**Toxic Reduction Plan (Isopropyl alcohol)
For
Magellan Aerospace, Haley**

PLAN CERTIFICATIONS

CERTIFICATION BY HIGHEST RANKING EMPLOYEE:

As of December 11, 2013, I, James Lemenchick, certify that I have read the toxic substance reduction plan for the toxic substances referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (general) made under that Act.

Toxic Substance: Isopropyl alcohol



James Lemenchick
General Manager
Magellan Aerospace, Haley

CERTIFICATION BY LICENSED PLANNER:

As of December 11, 2013, I, Ulla Jokinen of Trinity Consultants Ontario Inc., certify that I am familiar with the processes at the Magellan Aerospace Ltd.'s Haley facility, that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection 4(1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 11, 2013 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: Isopropyl alcohol



Ulla Jokinen, B.Sc., C.E.T. of Trinity Consultants Ontario Inc.
Toxic Substance Reduction Planner
Planner License No: TSRP0090



Magellan Aerospace Haley, a division
of Magellan Aerospace Limited

Toxic Reduction Plan (PM10 and PM2.5)
for
Magellan Aerospace, Haley

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	PM10 and PM 2.5	NA — M09 and NA — M10
Facility Identification and Site Address		
Facility Address	Physical Address	Mailing Address (if different)
	634 Magnesium Road Haley, Ontario K0J 1Y0	Same as physical address
Spatial Coordinates of Facility	5050730N, 363506E (Zone 18T)	<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	307	<i>Number of full-time employee equivalents</i>
NPRI ID	7080	<i>if known</i>
Ontario MOE ID Number	n/a	<i>if known</i>
Parent Company (PC) Information		
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON	
Percent Ownership for each PC	100	
Business Number for PC	894534346	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 — Manufacturing	
4 Digit NAICS Code	3315 — Foundries	
6 Digit NAICS Code	331529 — Non-Ferrous Foundries (except Die-Casting)	
Company Contact Information		
Facility Public Contact	Name: James Lemenchick	<i>Contact address if different from Facility Address</i>
	Title: General Manager	
	Email: jim.lemenchick@magellan.aero	Same as facility address
	Phone: (613) 432-8846 ext. 242	
	Fax: (613) 432-0743	

Date of Plan: December 11, 2013

Toxic Reduction Plan (PM10 and PM2.5)
For
Magellan Aerospace, Haley

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for PM10 and PM2.5 prepared by Magellan Aerospace Limited dated December 11, 2013.

STATEMENT OF INTENT

Magellan Aerospace Limited is committed to playing a leadership role in protecting the environment. Whenever possible, the Magellan Aerospace, Haley facility will continue to work to reduce the use, creation and discharge of toxic substances in full compliance with all federal and provincial regulations.

REDUCTION OBJECTIVES

Magellan Aerospace, Haley is currently unable to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified. Magellan Aerospace, Haley will continue to assess environmentally-friendly alternatives on an on-going basis.

DESCRIPTION OF SUBSTANCES

PM10 and PM2.5 are created as part of the manufacturing processes at the facility, and as a product of propane and natural gas combustion.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

No reduction options could be identified to reduce the use, creation, or releases of PM10 and PM2.5. A rationale as to why no option could be identified is provided for each category.

Date of Plan: December 11, 2013

**Toxic Reduction Plan (PM10 and PM2.5)
For
Magellan Aerospace, Haley**

PLAN CERTIFICATIONS

CERTIFICATION BY HIGHEST RANKING EMPLOYEE:

As of December 11, 2013, I, James Lemenchick, certify that I have read the toxic substance reduction plan for the toxic substances referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (general) made under that Act.

Toxic Substance: PM10 and PM2.5



James Lemenchick
General Manager
Magellan Aerospace, Haley

CERTIFICATION BY LICENSED PLANNER:

As of December 11, 2013, I, Ulla Jokinen of Trinity Consultants Ontario Inc., certify that I am familiar with the processes at the Magellan Aerospace Ltd.'s Haley facility, that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection 4(1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 11, 2013 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: PM10 and PM2.5



Ulla Jokinen, B.Sc., C.E.T. of Trinity Consultants Ontario Inc.
Toxic Substance Reduction Planner
Planner License No: TSRP0090

Date of Plan: December 11, 2013



Magellan Aerospace Haley, a division
of Magellan Aerospace Limited

Toxic Reduction Plan (PMDI)
for
Magellan Aerospace, Haley

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	Polymeric diphenylmethane isocyanate	9016-87-9
Facility Identification and Site Address		
Facility Address	Physical Address	Mailing Address (if different)
	634 Magnesium Road Haley, Ontario K0J 1Y0	Same as physical address
Spatial Coordinates of Facility	5050730N, 363506E (Zone 18T)	<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	307	<i>Number of full-time employee equivalents</i>
NPRI ID	7080	<i>if known</i>
Ontario MOE ID Number	n/a	<i>if known</i>
Parent Company (PC) Information		
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON	
Percent Ownership for each PC	100	
Business Number for PC	894534346	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 — Manufacturing	
4 Digit NAICS Code	3315 — Foundries	
6 Digit NAICS Code	331529 — Non-Ferrous Foundries (except Die-Casting)	
Company Contact Information		
Facility Public Contact	Name: James Lemenchick	<i>Contact address if different from Facility Address</i>
	Title: General Manager	
	Email: jim.lemenchick@magellan.aero	Same as facility address
	Phone: (613) 432-8846 ext. 242	
Fax: (613) 432-0743		

Date of Plan: December 11, 2013

**Toxic Reduction Plan (PMDI)
For
Magellan Aerospace, Haley**

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for polymeric diphenylmethane isocyanate (PMDI) prepared by Magellan Aerospace Limited dated December 11, 2013.

STATEMENT OF INTENT

Magellan Aerospace Limited is committed to playing a leadership role in protecting the environment. Whenever possible, the Magellan Aerospace, Haley facility will continue to work to reduce the use, creation and discharge of toxic substances in full compliance with all federal and provincial regulations.

REDUCTION OBJECTIVES

Magellan Aerospace, Haley is currently unable to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified. Magellan Aerospace, Haley will continue to assess environmentally-friendly alternatives on an on-going basis.

DESCRIPTION OF SUBSTANCES

PMDI is a component of the binder chemicals used at the facility.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

No reduction options could be identified to reduce the use, creation, or releases of PMDI. A rationale as to why no option could be identified is provided for each category.

Date of Plan: December 11, 2013


**Toxic Reduction Plan (PMDI)
For
Magellan Aerospace, Haley**

PLAN CERTIFICATIONS

CERTIFICATION BY HIGHEST RANKING EMPLOYEE:

As of December 11, 2013, I, James Lemenchick, certify that I have read the toxic substance reduction plan for the toxic substances referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (general) made under that Act.

Toxic Substance: Polymeric diphenylmethane isocyanate (PMDI)



James Lemenchick
General Manager
Magellan Aerospace, Haley

CERTIFICATION BY LICENSED PLANNER:

As of December 11, 2013, I, Ulla Jokinen of Trinity Consultants Ontario Inc., certify that I am familiar with the processes at the Magellan Aerospace Ltd.'s Haley facility, that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection 4(1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 11, 2013 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: Polymeric diphenylmethane isocyanate (PMDI)



Ulla Jokinen, B.Sc., C.E.T. of Trinity Consultants Ontario Inc.
Toxic Substance Reduction Planner
Planner License No: TSRP0090



Magellan Aerospace Haley, a division
of Magellan Aerospace Limited

Toxic Reduction Plan (Sulphuric Acid)
for
Magellan Aerospace, Haley

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	Sulphuric acid (and its compounds) Zinc (and its compounds) — <i>UNDER SEPARATE COVER</i>	7664-93-9 N/A — 14
Facility Identification and Site Address		
Facility Address	Physical Address	Mailing Address (if different)
	634 Magnesium Road Haley, Ontario K0J 1Y0	Same as physical address
Spatial Coordinates of Facility	5050730N, 363506E (Zone 18T)	<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	495	<i>Number of full-time employee equivalents</i>
NPRI ID	7080	<i>if known</i>
Ontario MOE ID Number	n/a	<i>if known</i>
Parent Company (PC) Information		
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON	
Percent Ownership for each PC	100	
Business Number for PC	894534346	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 — Manufacturing	
4 Digit NAICS Code	3315 — Foundries	
6 Digit NAICS Code	331529 — Non-Ferrous Foundries (except Die-Casting)	
Company Contact Information		
Facility Public Contact	Name: James Lemenchick	<i>Contact address if different from Facility Address</i>
	Title: General Manager	
	Email: jim.lemenchick@magellan.aero	Same as facility address
	Phone: (613) 432-8846 ext. 242 Fax: (613) 432-0743	

Date of Plan: December 11, 2013

Toxic Reduction Plan (Sulphuric Acid)
For
Magellan Aerospace, Haley

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for sulphuric acid prepared by Magellan Aerospace Limited dated May 21, 2013.

STATEMENT OF INTENT

Magellan Aerospace Limited is committed to playing a leadership role in protecting the environment. Whenever possible, the Magellan Aerospace, Haley facility will continue to work to reduce the use, creation and discharge of toxic substances in full compliance with all federal and provincial regulations.

REDUCTION OBJECTIVES

Magellan Aerospace, Haley will be reducing the use of sulphuric acid by approximately 12% by December 2013. This reduction has been achieved.

DESCRIPTION OF SUBSTANCES

Sulphuric acid is used to etch magnesium castings in the fluorescent penetrant inspection process and used to neutralize sulfur dioxide scrubber effluent.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

Magellan Aerospace, Haley intends to implement an option that will reuse some of the 5.5% sulphuric acid from the acid etch process to neutralize effluent in the wastewater treatment process.

Date of Plan: December 11, 2013

Toxic Reduction Plan (SULPHURIC ACID)
For
Magellan Aerospace Limited, Haley

PLAN CONFIRMATIONS

Note: The 'Certification' statements cannot be used after the December 31, 2012 deadline.

CONFIRMATION BY HIGHEST RANKING EMPLOYEE:

As of May 29, 2013, I, James Lemenchick, confirm that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (general) made under that Act, with the exception of the regulatory deadline.

The plan summary was not submitted by the December 31, 2012 deadline because resources were limited due to staffing reductions.

Toxic Substance: Sulphuric acid




James Lemenchick
General Manager
Magellan Aerospace Limited

CONFIRMATION BY LICENSED PLANNER:

As of May 29, 2013, I, Ulla Jokinen of Church & Trought Inc., confirm that I am familiar with the processes at the Magellan Aerospace Limited's Haley facility, that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection 4(1) of the Toxics Reduction Act, 2009 that are set out in the plan dated May 21, 2013 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act, with the exception of the regulatory deadline.

Toxic Substance: Sulphuric acid



Ulla Jokinen, B.Sc., C.E.T. of Church & Trought Inc.
Toxic Substance Reduction Planner
Planner License No: TSRP0090



Magellan Aerospace Haley, a division
of Magellan Aerospace Limited

Toxic Reduction Plan (Zinc)
for
Magellan Aerospace, Haley

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	Zinc (and its compounds) Sulphuric acid — <i>UNDER SEPARATE COVER</i>	N/A — 14 7664-93-9
Facility Identification and Site Address		
Facility Address	Physical Address	Mailing Address (if different)
	634 Magnesium Road Haley, Ontario K0J 1Y0	Same as physical address
Spatial Coordinates of Facility	5050730N, 363506E (Zone 18T)	<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	495	<i>Number of full-time employee equivalents</i>
NPRI ID	7080	<i>if known</i>
Ontario MOE ID Number	n/a	<i>if known</i>
Parent Company (PC) Information		
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON	
Percent Ownership for each PC	100	
Business Number for PC	894534346	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33 — Manufacturing	
4 Digit NAICS Code	3315 — Foundries	
6 Digit NAICS Code	331529 — Non-Ferrous Foundries (except Die-Casting)	
Company Contact Information		
Facility Public Contact	Name: James Lemenchick	<i>Contact address if different from Facility Address</i>
	Title: General Manager	
	Email: jim.lemenchick@magellan.aero	Same as facility address
	Phone: (613) 432-8846 ext. 242	
	Fax: (613) 432-0743	

Date of Plan: December 11, 2013

**Toxic Reduction Plan (Zinc)
For
Magellan Aerospace, Haley**

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for zinc prepared by Magellan Aerospace Limited dated May 29, 2013.

STATEMENT OF INTENT

Magellan Aerospace Limited is committed to playing a leadership role in protecting the environment. Whenever possible, the Magellan Aerospace, Haley facility will continue to work to reduce the use, creation and discharge of toxic substances in full compliance with all federal and provincial regulations.

REDUCTION OBJECTIVES

Magellan Aerospace, Haley is currently unable to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified. Magellan Aerospace, Haley will continue to assess environmentally-friendly alternatives on an on-going basis.

DESCRIPTION OF SUBSTANCES

Zinc is a component of the magnesium alloys processed at the facility. It is also found to a much lesser degree in welding materials.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

No reduction options could be identified to reduce the use, creation, or releases of zinc. A rationale as to why no option could be identified is provided for each category.

Date of Plan: December 11, 2013

**Toxic Reduction Plan (ZINC)
For
Magellan Aerospace Limited, Haley**

PLAN CONFIRMATIONS

Note: The 'Certification' statements cannot be used after the December 31, 2012 deadline.

CONFIRMATION BY HIGHEST RANKING EMPLOYEE:

As of May 29, 2013, I, James Lemenchick, confirm that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (general) made under that Act, with the exception of the regulatory deadline.

The plan summary was not submitted by the December 31, 2012 deadline because resources were limited due to staffing reductions. In addition, the facility was also working on confirmation that the substance was reportable for the Toxics Reduction Act.

Toxic Substance: Zinc



James Lemenchick
General Manager
Magellan Aerospace Limited

CONFIRMATION BY LICENSED PLANNER:

As of May 29, 2013, I, Ulla Jokinen of Church & Trought Inc., confirm that I am familiar with the processes at the Magellan Aerospace Limited's Haley facility, that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv, and v of subsection 4(1) of the Toxics Reduction Act, 2009 that are set out in the plan dated May 29, 2013 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act, with the exception of the regulatory deadline.

Toxic Substance: Zinc



Ulla Jokinen, B.Sc., C.E.T. of Church & Trought Inc.
Toxic Substance Reduction Planner
Planner License No: TSRP0090

Date of Plan: May 29, 2013



Magellan Aerospace Mississauga, a division
of Magellan Aerospace Limited

Toxic Reduction Plan (Chromium)
for
Magellan Aerospace, Mississauga

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	Chromium	NA-11	7440-47-3
Facility Identification and Site Address			
Facility Address	Physical Address		Mailing Address (if different)
	3160 Derry Road East Mississauga, Ontario L4T 1A9		Same as physical address
Spatial Coordinates of Facility	79.63450N, 43.70680E (NAD83)		<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	295	<i>Number of full-time employee equivalents</i>	
NPRI ID	4507		
Ontario MOE ID Number	<i>if known</i>		
Parent Company (PC) Information			
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON		
Percent Ownership for each PC	100		
Business Number for PC	894534346		
Primary North American Industrial Classification System Code (NAICS)			
2 Digit NAICS Code	33		
4 Digit NAICS Code	3364		
6 Digit NAICS Code	336410		
Company Contact Information			
Facility Public Contact	Name: John Waring		<i>Contact address if different from Facility Address</i>
	Title: Director, Manufacturing Engineering		
	Email: john.waring@magellan.aero		Same as facility address
	Phone: 905-673-3250 ext 3352		
	Fax: 905-673-3896		

Date of Plan: Dec 20, 2012

**Toxic Reduction Plan (Chromium)
For
Magellan Aerospace, Mississauga**

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for Chromium prepared by Magellan Aerospace, Mississauga dated December 20, 2012.

STATEMENT OF INTENT

Magellan Aerospace, Mississauga is an ISO 14001 certified company and as such is committed to reducing its impact on the environment. Whenever feasible, Magellan Aerospace, Mississauga will work to reduce the use and release of Chromium in compliance with Environmental Regulations. Chromium is not created at the facility and as such no reductions in the creation of Chromium will be identified.

REDUCTION OBJECTIVES

Magellan Aerospace, Mississauga is currently unable to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified. Magellan Aerospace, Mississauga will continue to assess environmentally friendly alternatives on an on-going basis.

DESCRIPTION OF SUBSTANCES

Chromium and Nickel are introduced as constituents in the aircraft parts and non-cast raw metals. The metal specifications state that the chromium and nickel concentration in the as received parts/materials contain up to 30 and 76 percent of each material, respectively.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

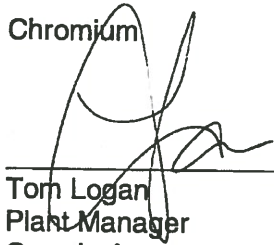
No options have been identified to be implemented that would result in a reduction in the use or release of Chromium.

Date of Plan: Dec 20, 2012

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 20, 2012, I, Tom Logan, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Chromium

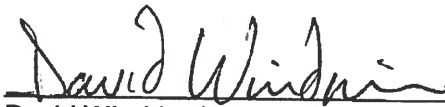


Tom Logan
Plant Manager
Orenda Aerospace Corporation.

CERTIFICATION BY LICENSED PLANNER

As of December 20, 2012, I, David Windrim, certify that I am familiar with the processes at Orenda Aerospace Corporation that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 20, 2012 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.

Chromium



David Windrim (planner license # TSRP0254)
Supervisor Environmental Systems
Orenda Aerospace Corporation



Magellan Aerospace Mississauga, a division
of Magellan Aerospace Limited

Toxic Reduction Plan (PM10&PM2.5)
for
Magellan Aerospace, Mississauga

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	PM 10 & PM 2.5	NA-M09 & NA-M10
Facility Identification and Site Address		
Facility Address	Physical Address	Mailing Address (if different)
	3160 Derry Road East Mississauga, Ontario L4T 1A9	Same as physical address
Spatial Coordinates of Facility	79.63450N, 43.70680E (NAD83)	<i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>
Number of Employees	295	<i>Number of full-time employee equivalents</i>
NPRI ID	4507	
Ontario MOE ID Number		<i>if known</i>
Parent Company (PC) Information		
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON	
Percent Ownership for each PC	100	
Business Number for PC	894534346	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	33	
4 Digit NAICS Code	3364	
6 Digit NAICS Code	336410	
Company Contact Information		
Facility Public Contact	Name: John Waring	<i>Contact address if different from Facility Address</i>
	Title: Director, Manufacturing Engineering	
	Email: john.waring@magellan.aero	Same as facility address
	Phone: 905-673-3250 ext 3352	
	Fax: 905-673-3896	

Date of Plan: Dec 16, 2013

**Toxic Reduction Plan (PM10&PM2.5)
For
Magellan Aerospace, Mississauga**

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for PM 10 & PM 2.5 prepared by Magellan Aerospace, Mississauga dated December 16, 2013.

STATEMENT OF INTENT

Magellan Aerospace, Mississauga is an ISO 14001 certified company and as such is committed to reducing its impact on the environment. Whenever feasible, Magellan Aerospace, Mississauga will work to reduce the use, creation and release of particulate matter (PM10 & PM2.5) in compliance with Environmental Regulations.

REDUCTION OBJECTIVES

Magellan Aerospace, Mississauga is currently unable to reduce the use of the toxic substance at the facility because no technically and economically feasible reduction options could be identified. Magellan Aerospace, Mississauga will continue to assess environmentally friendly alternatives on an on-going basis.

DESCRIPTION OF SUBSTANCES

PM10 and PM2.5 are created as part of the manufacturing processes at the facility, and as a product of propane and natural gas combustion.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

No options have been identified to be implemented that would result in a reduction in the use or release of PM 10 & PM 2.5.

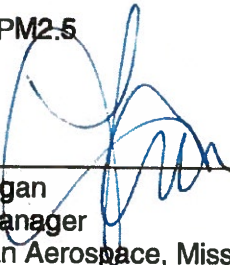
Date of Plan: Dec 16, 2013



CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 15, 2013, I, Tom Logan, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

PM10, PM2.5

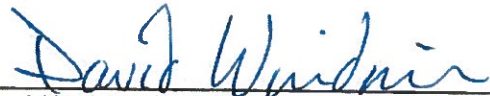


Tom Logan
Plant Manager
Magellan Aerospace, Mississauga.

CERTIFICATION BY LICENSED PLANNER

As of December 15, 2013, I, David Windrim, certify that I am familiar with the processes at Magellan Aerospace, Mississauga that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 20, 2012 and that the plan complies with the Act and Ontario Regulation 455/09 (General) made under that Act.

PM10, PM2.5



David Windrim (planner license # TSRP0254)
Supervisor Environmental Systems
Magellan Aerospace, Mississauga



Magellan Aerospace Mississauga, a division of Magellan Aerospace Limited

Toxic Reduction Plan (Nickel)
for
Magellan Aerospace, Mississauga

PLAN SUMMARY

Basic Facility Information

Name & CAS# of Substance(s)	Nickel	NA-04	7440-02-0
Facility Identification and Site Address			
Facility Address	Physical Address		Mailing Address (if different)
	3160 Derry Road East Mississauga, Ontario L4T 1A9		Same as physical address
Spatial Coordinates of Facility	79.63450N, 43.70680E (NAD83) <i>Expressed in Universal Transverse Mercator (UTM) within a North American Datum 82 (NAD82) datum</i>		
Number of Employees	295 <i>Number of full-time employee equivalents</i>		
NPRI ID	4507		
Ontario MOE ID Number	<i>if known</i>		
Parent Company (PC) Information			
PC Name & Address	Magellan Aerospace Corporation 3160 Derry Road East, Mississauga, ON		
Percent Ownership for each PC	100		
Business Number for PC	894534346		
Primary North American Industrial Classification System Code (NAICS)			
2 Digit NAICS Code	33		
4 Digit NAICS Code	3364		
6 Digit NAICS Code	336410		
Company Contact Information			
Facility Public Contact	Name: John Waring		<i>Contact address if different from Facility Address</i>
	Title: Director, Manufacturing Engineering		
	Email: john.waring@magellan.aero		Same as facility address
	Phone: 905-673-3250 ext 3352		
	Fax: 905-673-3896		

Date of Plan: Dec 20, 2012

Toxic Reduction Plan (Nickel)
For
Magellan Aerospace, Mississauga

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for Nickel prepared by Magellan Aerospace, Mississauga dated December 20, 2012.

STATEMENT OF INTENT

Magellan Aerospace, Mississauga is an ISO 14001 certified company and as such is committed to reducing its impact on the environment. Whenever feasible, Magellan Aerospace, Mississauga will work to reduce the use and release of Nickel in compliance with Environmental Regulations. Nickel is not created at the facility and as such no reductions in the creation of Nickel will be identified.

REDUCTION OBJECTIVES

Magellan Aerospace, Mississauga has reduced the amount of Nickel disposed of by approximately 10% in the first year as outlined in the plan. This reduction was achieved by reducing the amount of rinse water and time of rinsing during the nickel plating process.

DESCRIPTION OF SUBSTANCES

Chromium and Nickel are introduced as constituents in the aircraft parts and non-cast raw metals. The metal specifications state that the chromium and nickel concentration in the as received parts/materials contain up to 30 and 76 percent of each material, respectively.

TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED

Magellan Aerospace, Mississauga intends to implement an option that will reduce the volume of waste generated from the nickel plating process.

Date of Plan: Dec 20, 2012