Plan Summary Preview
Company Details
Company Legal Name
H&S Heat Treating
Company Address
133 South Street North, Port Robinson (Ontario)
Report Details
NPRI ID
4531
Facility Name
PORT ROBINSON
Facility Address
133 South Street North, Port Robinson (Ontario)
Update Comments
Activities
Contacts
Select the Facility Contacts
Facility Contacts
Please assign the appropriate contact under each category below.
Public Contact: *
Tony Valeriote
Highest Ranking Employee
Tony Valeriote
Person responsible for Toxic Substance Reduction Plan preparation
Michael Laplante
Organization Validation

Company and Parent Company Information			
Company Details			
Company Legal Name: *	H&S Heat Treating		
Company Trade Name: *	H&S Heat Treating		
Business Number: *	104178298		
Mailing Address			
Delivery Mode	General Delivery		
PO Box			
Rural Route Number			
Address Line 1	133 South Street North		
City *	Port Robinson		
Province/Territory **	Ontario		
Postal Code: **	L0S1K0		
Physical Address			
Address Line 1			
City			
Province/Territory **			
Postal Code **			
Additional Information			
Land Survey Description			
National Topographical Description			
Parent Companies			
IMT Nitrex GP Inc.			
Company Legal Name: *	IMT Nitrex GP Inc.		

Percentage owned: *	100.00
Business Number: **	826901845
Mailing Address	
Delivery Mode	
PO Box	
Rural Route Number	
Address Line 1	347 King Street West
City *	Ingersoll
Province/Territory **	Ontario
Postal Code: **	N5C 3K6
Country *	
Physical Address	
Address Line 1	
City	
Province/Territory **	
Postal Code **	
Country	
Additional Information	
Additional Information Land Survey Description	

Facility Validation

The information in this section was copied from the Single Window Information Manager (SWIM) at the time the plan summary was created. Please verify the information and update it where required. Please note that any changes made here will only be reflected in this plan summary. To ensure updates reflected in future

reports, please ensure the information is updated in SWIM. After making updates in SWIM, return here and click the "Refresh" button to trigger a reload of the SWIM information. Please note all previously entered data will be modified.

Facility Information		
Facility Name: *	PORT ROBINSON	
NAICS Code: *	332999	
NPRI Id: *	0000004531	
ON Reg 127/01 ld		
Facility Mailing Address		
Delivery Mode		
PO Box		
Rural Route Number		
Address Line 1	133 South Street North	
City *	Port Robinson	
Province/Territory **	Ontario	
Postal Code: **	L0S1K0	
Physical Address		
Address Line 1	133 South Street North	
City	Port Robinson	
Province/Territory **	Ontario	
Postal Code **	L0S1K0	
Additional Information		
Land Survey Description		
National Topographical Description		

Geog	gra	phical	l Add	ress

Latitude **	43.04610
Longitude **	-79.20930
UTM Zone **	17
UTM Easting **	645850
UTM Northing **	4767490

Contact Validation

The information in this section was copied from the Single Window Information Manager (SWIM) at the time the plan summary was created. Please verify the information and update it where required. Please note that any changes made here will only be reflected in this plan summary. To ensure updates reflected in future reports, please ensure the information is updated in SWIM. After making updates in SWIM, return here and click the "Refresh" button to trigger a reload of the SWIM information. Please note all previously entered data will be modified.

Contacts

Public Contact	
First Name: *	Tony
Last Name: *	Valeriote
Position: *	General Manager
Telephone: *	9053849355
Ext	
Fax	9053849110
Email: *	tonyvaleriote@hsheat.com
Mailing Address	
Delivery Mode	
PO Box	
Rural Route Number	

Address Line 1

	133 South Street North
City *	Port Robinson
Province/Territory **	Ontario
Postal Code: **	I0S1K0
Highest Ranking Employee	
First Name: *	Tony
Last Name: *	Valeriote
Position: *	General Manager
Telephone: *	9053849355
Ext	
Fax	9053849110
Email: *	tonyvaleriote@hsheat.com
Mailing Address	
Delivery Mode	
PO Box	
Rural Route Number	
Address Line 1	133 South Street North
City *	Port Robinson
Province/Territory **	Ontario
Postal Code: **	I0S1K0
Person responsible for the Toxic Sub	stance Reduction Plan preparation
First Name: *	Michael
Last Name: *	Laplante

Page 6 of 22 Printed on 03/04/2017 11:22:32 AM

Position: *	Senior Project Engineer
Telephone: *	4164675555
Ext	231
Fax	4164679824
Email: *	mlaplante@altech-group.com
Mailing Address	
Delivery Mode	
PO Box	
Rural Route Number	
Address Line 1	12 Banigan Drive
City *	Toronto
Province/Territory **	Ontario
Postal Code: **	M4H1E9
Employees	
Employees	
Number of Full-time Employees: *	
35	
Copy of Certifications of Plan	
Copy of Certifications of Plan	
Upload Document	
A copy of the certification statement(s) from the Higher the Toxic Substance Reduction Plan for which the Plan upload a single document containing all certifications. Do not upload any certification statements that are dat for more information. Comments	n Summary is being submitted are required. Please

Website address where the Plan Summary is posted for the public

File Name Date

4991 H&S signed Plan Certfkt.pdf 19/12/2013 1:52:18 PM

Plan Summary Submission

Electronic Submission

Company Name

H&S Heat Treating

Facility Name

PORT ROBINSON

Report Submitted By (authorized delegate)

Michael Laplante

I, the authorized delegate, acknowledge that by pressing the "Continue" button, I am electronically submitting the facility TRA Plan Summary for the identified facility.

Substances

NA - 16, Ammonia (total)

NA - 16, Ammonia (total)

Substances Section Data

Statement of Intent

Are the following included in the Facility's TRA Plan?

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

Yes

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

H&S Heat Treating intends to investigate methods to reduce the unit amount of ammonia used to produce carbonitrided parts consistent with product quality.

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

Creation				
Is there a stateme substance at the fa		owner or operato	r of the facility intends	to reduce the creation of the toxic
No				
If 'yes', exact state toxic substance at	ement of the the facility	e intent that is inc : **	cluded in the facility's T	ΓRA Plan to reduce the creation of the
If 'no', reason in th facility: **	ne facility's	TRA Plan for no i	intent to reduce the cre	eation of the toxic substance at the
Substance is not of	created at t	his facility		
Objectives,	Targets	and Descrip	otion	
Objectives				
Objectives in plans	. *			
used to produce of	arbonitride	d parts in the pro		to reduce the unit amount of ammonia his compound is presently a key option.
Use Targets				
What is the t	argeted	I reduction in	n use of the tox	ic substance at the
facility? *				
No quantity target		Quantity		Unit
	or	0.65		tonnes
What is the t	argeted	I timeframe	for this reduction	n? *
No timeline targe	t		years	
		or	2	
Description of targ	ets			
Creation Tor	rants			
Creation Tar	•	ا مطاعمان ا	n avaation of the	
vvnat is the t	argeted	reduction II	n creation of the	e toxic substance at the

Page 9 of 22 Printed on 03/04/2017 11:22:32 AM

facility? *				
No quantity target	Quantit	у	Unit	
\boxtimes	or			
\\/hat is the to	arastad timaf	rama for this rad	uotion? *	
	_	rame for this red	JCHOTT?	
No timeline target		years		
\boxtimes	or			
Description of Targ	et			
Reasons for U	Use			
Why is the toxic sub	ostance used at the	e facility?: *		
As a reactant				
Summarize why the	e toxic substance is	s used at the facility: **		
Ammonia dissociat	es in heat treating	furnaces to contribute n	trogen to steel	parts
Reasons for 0	Creation			
Why is the toxic sub	ostance created at	the facility?: *		
This substance is r	not created at the fa	acility		
Summarize why the	e toxic substance is	s created at the facility: *	*	
Toxic Reduct	ion Options f	or Implementation	n	
Description of	f the toxic red	duction option(s)	to be imple	emented
Is there a statemen	t that no option wil	I be implemented?: *		
No, we are implem	enting			
Reduction Categori answered "Yes" ple	es (e.g. Materials e ease provide an ex	please add the option(s or feedstock substitution planation below why you tion will be implemented	, Product desigr r facility is not ir	ropriate Toxic Substance n or reformulation, etc.). If you mplementing an option.

Materials or fee	edstock substitution	
Empty		
Product design	or reformulation	
Empty		
•	process modifications	
Empty		
Spill or leak pre	evention	
Empty		
Empty	recycling or recovery	
Improved inver	ntory management or purchas	sing techniques
_	practice or training	
		<u></u>
•	d to toxics substance reduction	
	•	nent these reduction options?
	e undertaken to implement these reduction	options?: *
Training related to tox	xics substance reduction	
Describe the option: *		
Provide routine Best	Operating Practice and Pollution Prevention	on training / updates for employees
Estimates		
	tonnes	%
Estimate of the amour reduced as a result of	nt by which the use of the implementing the option:	ne toxic substance at the facility will be
	0.65	5
	nt by which the creation	of the toxic substance at the facility will be
\boxtimes		
	nt by which the toxic substance coll as a result of implementing the option:	ontained in the product leaving the
X		

Page 11 of 22 Printed on 03/04/2017 11:22:32 AM

	as a result of implementing the option:
\boxtimes	
	nt by which the total releases to water of the toxic substance at the as a result of implementing the option:
X	
	nt by which the total releases to land of the toxic substance at the as a result of implementing the option:
\boxtimes	
	nt by which the disposals on-site (including tailing and waste rock) at the facility will be reduced as a result on implementing this option:
\boxtimes	
	nt by which the disposals off-site of the toxic substance at the facility esult on implementing this option:
\boxtimes	
Estimate of the amou facility will be reduced	nt by which total recycling off-site of the toxic substance at the as a result on implementing this option:
\boxtimes	
Timelines	
N/A	years
Anticipated timelines substance:	or achieving the estimated reduction of the use of the toxic
	2
Anticipated timelines substance:	for achieving the estimated reduction of the creation of the toxic
\boxtimes	
Rationale for why the	listed options were chosen for implementation
Closer control of one	rations can reduce the use of the substance

General description of any actions undertaken by the owner and operator of the facility to reduce the use

and creation of the toxic substance at the facility that are outside of the plan

None at present

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0035

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0035

What version of the plan is this summary based on?: *

New Plan

NA - M09, PM10 - Particulate Matter <= 10 Microns

NA - M09, PM10 - Particulate Matter <= 10 Microns

Substances Section Data

Statement of Intent

Are the following included in the Facility's TRA Plan?

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

Substance is not used in any processes at the site

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

Yes

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

H&S intends to investigate methods to reduce the amount of PM10 generated and released at the site.

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the

facility: **				
Objectives, 7	Targets	and Descrip	otion	
Objectives				
Objectives in plan:	*			
			nvestigating methods to process and from and	o reduce the unit amount of PM10 cillary processes.
Use Targets				
What is the t	argeted	I reduction i	n use of the tox	ic substance at the
facility? *				
No quantity target		Quantity		Unit
\boxtimes	or			
What is the t	argeted	I timeframe	for this reduction	n? *
No timeline targe	t		years	
\boxtimes		or		
Description of targ	ets			
Creation Tar	gets			
What is the t	argeted	I reduction i	n creation of the	e toxic substance at the
facility? *				
No quantity target		Quantity		Unit
	or	0.05		tonnes
What is the t	argeted	l timeframe	for this reduction	n? *
No timeline targe	t		years	
		or	2	

Description of Target
Reasons for Use
Why is the toxic substance used at the facility?: *
This substance is not used at the facility
Summarize why the toxic substance is used at the facility: **
Reasons for Creation
Why is the toxic substance created at the facility?: *
As a by-product
Summarize why the toxic substance is created at the facility: **
Substance is generated from diffuse sources such as combustion, cooling tower, welding and oil quench
Toxic Reduction Options for Implementation
Description of the toxic reduction option(s) to be implemented
Is there a statement that no option will be implemented?: *
No, we are implementing
If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **
Materials or feedstock substitution Empty
Product design or reformulation
Empty
Equipment or process modifications
Empty
Spill or leak prevention Empty
On-site reuse, recycling or recovery

Empty			
Improved inventory management or purchasing techniques Empty			
Good operator	practice or training		
Training related	d to toxics substance reduction	n	
Which activities	s will be undertaken to implem	ent these reduction options?	
Which activities will be	Which activities will be undertaken to implement these reduction options?: *		
Training related to to	xics substance reduction		
Describe the option: *			
Provide routine Best	Operating Practice and Pollution Prevention	training / updates for employees	
Estimates			
N/A	tonnes	%	
	nt by which the use of the fimplementing the option:	e toxic substance at the facility will be	
X			
	nt by which the creation of implementing the option:	of the toxic substance at the facility will be	
	0.05	5	
Estimate of the amount by which the toxic substance contained in the product leaving the facility will be reduced as a result of implementing the option:			
\boxtimes			
Estimate of the amount by which the total releases to air of the toxic substance at the facility will be reduced as a result of implementing the option:			
\boxtimes			
Estimate of the amount by which the total releases to water of the toxic substance at the facility will be reduced as a result of implementing the option:			
\boxtimes			

Estimate of the amount by which the total releases to land of the toxic substance at the facility will be reduced as a result of implementing the option:

X	
	nt by which the disposals on-site (including tailing and waste rock) at the facility will be reduced as a result on implementing this option:
\boxtimes	
	nt by which the disposals off-site of the toxic substance at the facility esult on implementing this option:
\boxtimes	
Estimate of the amount facility will be reduced	nt by which total recycling off-site of the toxic substance at the las a result on implementing this option:
\boxtimes	
Timelines	
N/A	years
Anticipated timelines substance:	for achieving the estimated reduction of the use of the toxic
\boxtimes	
_	for achieving the estimated reduction of the creation of the toxic
Anticipated timelines	for achieving the estimated reduction of the creation of the toxic
Anticipated timelines substance:	
Anticipated timelines substance: Rationale for why the	2
Anticipated timelines is substance: Rationale for why the Closer control of open General description or	2 listed options were chosen for implementation
Anticipated timelines is substance: Rationale for why the Closer control of open General description or	listed options were chosen for implementation rations can reduce generation of substance. f any actions undertaken by the owner and operator of the facility to reduce the use
Anticipated timelines is substance: Rationale for why the Closer control of operal description or and creation of the tox None at present License Number of the	listed options were chosen for implementation rations can reduce generation of substance. f any actions undertaken by the owner and operator of the facility to reduce the use
Anticipated timelines is substance: Rationale for why the Closer control of operal description or and creation of the tox None at present License Number of the	listed options were chosen for implementation rations can reduce generation of substance. f any actions undertaken by the owner and operator of the facility to reduce the use xic substance at the facility that are outside of the plan e toxic substance reduction planner who made recommendations in the toxic
Anticipated timelines is substance: Rationale for why the Closer control of oper General description or and creation of the tox None at present License Number of the substance reduction processes the substance of the substanc	listed options were chosen for implementation rations can reduce generation of substance. f any actions undertaken by the owner and operator of the facility to reduce the use xic substance at the facility that are outside of the plan e toxic substance reduction planner who made recommendations in the toxic

What version of the plan is this summary based on?: *

New Plan

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

Substances Section Data

Statement of Intent

Are the following included in the Facility's TRA Plan?

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

Substance is not used at the facility

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

Yes

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

H&S intends to investigate methods to reduce the amount of PM2.5 generated and released at the site.

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

Objectives, Targets and Description

Objectives

Objectives in plan: *

This Toxic Reduction Plan will guide H&S in investigating methods to reduce the unit amount of PM2.5 generated and released during the production process and from ancillary processes.

Use Targets				
What is the t	argeted	I reduction i	n use of the tox	ic substance at the
facility? *				
No quantity target		Quantity		Unit
X	or			
What is the t	argetec	I timeframe	for this reduction	n? *
No timeline targe	t		years	
X		or		
Description of targ	jets			
Creation Tar	gets			
What is the t	argeted	I reduction i	n creation of the	e toxic substance at the
facility? *				
No quantity target		Quantity		Unit
	or	0.03		tonnes
NA				0.*
	_	timetrame	for this reduction	on? ^
No timeline targe	et		years	
		or	2	
Description of Target				
	y e t			
	y c ı			
Reasons for				
Reasons for Why is the toxic su	Use	sed at the facility	?: *	
	Use ubstance u		?: *	
Why is the toxic su	Use ubstance us not used a	t the facility		

Page 19 of 22 Printed on 03/04/2017 11:22:32 AM

R	easons	for	Cre	ation
1/	Capulo	IUI	\mathbf{c}	аислі

Why is the toxic substance created at the facility?: *

As a by-product

Summarize why the toxic substance is created at the facility: **

Substance is generated from diffuse sources such as combustion, cooling tower, welding and oil quench

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

No, we are implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Training related to toxics substance reduction

Which activities will be undertaken to implement these reduction options?

Which activities will be undertaken to implement these reduction options?: *

Training related to toxics substance reduction

Describe the option: *		
Provide routine Best	Operating Practice and Pollution Prevention	training / updates for employees
Estimates		
N/A	tonnes	%
	nt by which the use of the implementing the option:	e toxic substance at the facility will be
\boxtimes		
	nt by which the creation of implementing the option:	of the toxic substance at the facility will be
	0.03	5
facility will be reduced	nt by which the toxic substance cold as a result of implementing the option:	ntained in the product leaving the
\boxtimes		
Estimate of the amount facility will be reduced	nt by which the total releases to air as a result of implementing the option:	r of the toxic substance at the
\boxtimes		
	nt by which the total releases to wa d as a result of implementing the option:	ater of the toxic substance at the
\boxtimes		
Estimate of the amou facility will be reduced	nt by which the total releases to lar I as a result of implementing the option:	nd of the toxic substance at the
×		
	nt by which the disposals on-site	
×		
	nt by which the disposals off-site	strong> of the toxic substance at the facility
\boxtimes		

Estimate of the amount by which total recycling off-site of the toxic substance at the

facility will be reduced as a result on	implementing this option:
\boxtimes	
Timelines	
N/A	years
Anticipated timelines for achieving th substance:	ne estimated reduction of the use of the toxic
\boxtimes	
Anticipated timelines for achieving th substance:	ne estimated reduction of the creation of the toxic
	2
Rationale for why the listed options v	were chosen for implementation
Closer control of operations can red	uce generation of substance
	ndertaken by the owner and operator of the facility to reduce the use at the facility that are outside of the plan
None at present	
License Number of the toxic substansubstance reduction plan for this substance.	nce reduction planner who made recommendations in the toxic ostance (format TSRPXXXX): *
TSRP0035	
License Number of the toxic substant plan for this substance (format TSRF	nce reduction planner who has certified the toxic substance reduction PXXXX): *
TSRP0035	
What version of the plan is this sumr	mary based on?: *
New Plan	

PLAN CERTIFICATION

As of December 18, 2013, I, Tony Valeriote, certify that I have read the toxic substance reduction plans for the substances listed below and am familiar with its contents, and to my knowledge, the plans are factually accurate and comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Tony Valeriote
General Manager
H&S Heat Treating
(Highest Ranking Employee)

ral Manager

Ammonia

Particulate matter less than 2.5 microns Particulate matter less than 10 microns

As of December 18, 2013, I, Michael Laplante, certify that I am familiar with the processes at H&S Heat Treating that use or create the substances listed above, 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 plans dated December 18, 2013 and that the plans comply with the Act and Ontario Regulation 455/09 (General) made under that Act.

Im haplants

Michael Laplante

Toxic Substance Reduction Planner (Licence Number TSRP0037

Altech Environmental Consulting Ltd.

December 18, 2013

Date

December 18, 2013

Date

Copy of Certification:

As of December 19, 2013, I, Tony Valeriote, certify that I have read the report on the toxic substance reduction plan for the toxic substances referred to below and am familiar with its contents, and to my knowledge, the information contained in the report is factually accurate and the report complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Ammonia

Particulate Matter Less than 2.5 microns (PM2.5)

Particulate Matter Less than 10 microns (PM10)

Tony Valeriote

General Manager

H&S Heat Treating

(Highest Ranking Employee)

December 18, 2013

Date