

DEXTRAN PRODUCTS LIMITED

(A DIVISION OF POLYDEX PHARMACEUTICALS LIMITED)

421 - 423 Comstock Road Scarborough, Ontario, Canada M1L 2H5 Tel. (416) 755-2231 Fax (416) 755-0334

As of April 6th, 2016, I, George Usher, certify that I have read the report on the toxic substance reduction plan for the toxic substance 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) make under that Act.

Isopropyl Alcohol

Hydrochloric Acid

Cyanides, Ionic

Methanol

George G. Usher.

Technical Director, Dextran Products Ltd.



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 (/)

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

SWIM (https://ec.ss.ec.gc.ca/auth/en/Services) 2014 (/) Dextran Products Ltd. (/) DEXTRAN PRODUCTS LIMITED (/) Report Preview

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

Report Preview

Company Details

Name

Dextran Products Ltd.

Address

421 Comstock Road, Scarborough (Ontario)

Report Details

Report Status

Submitted

2014

Report Type

Inventory

Facility Name

DEXTR	AN	PRO	DUCTS	L	IMITE	D
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Facility Address

421 Comstock Road, Toronto (Ontario)

Update Comments

Activity Details

Applicable Programs

Please select all that apply.

Environment Canada Programs

NPRI - National Pollutant Release Inventory

Partnering Programs

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

ON MOE Reg. 127/01 - Ontario Ministry of the Environment for the Airborne Contaminant Discharge Monitoring and Reporting Regulation

NERM - Chemistry Industry Association of Canada for the National Emission Reduction Masterplan survey

NFPRER - 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: *

George Usher

	George Usher
Н	lighest Ranking Employee: *
	George Usher
P	erson who prepared the report: *
	Sabbir Mogra
	erson who coordinated the preparation of the Toxics Reduction Plan (required after a plan summary as been submitted)
C	Company Coordinator (optional)
-	ublic Contact (optional)
L	George Usher
C	Contractor Contact (optional)
	f you are an independent contractor or consultant, please enter your company name in the field belo
p	loyees and Activities
m	nployees
V	Number of Employees *
	21
C	tivities
Ħ	f your facility was engaged in any of the following activities, check the relevant box(es), otherwise cl None of the Above". For the second "Activities" list, if you select one of these activities then you mus eport dioxins, furans and hexachlorobenzene.
F	Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: (check all that apply)
1	None of the above

Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs)

None of the above

Did the following activity take place at the facility?

Wood preservation using creosote: *

No

General Facility Information

NPRI

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

If 'Yes' to reporting for one or more Part 4 substances:

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

Sat Sun

1

1

_

4

.

1

Operating Schedule - Hours **

Usual Number of

Operating Hours per day Usual Daily Start Time (24h) (hh:mm)	
24	
06:00	
Shutdown Periods **	
To report a shutdown period, click the "+" sign to the	he right side of the screen.
Empty	
General Comments for Facility	
Comments	
Verify Facility Information Company Information Company Details Company Legal Name Dextran Products Ltd. Business Number 885141861 Mailing Address	
Delivery Mode	
General Delivery	
PO Box	
Rural Route Number	
Address Line 1	
421 Comstock Road	
City *	

https://inrp-npri.ss.ec.gc.ca/V003/

Scarborough	
Province/Territory **	
Ontario	
Postal Code: **	
M1L2H5	
Country *	
Canada	
arent Companies	
Polydex Chemicals Ltd.	
Parent Company Name	The second secon
Polydex Chemicals Ltd.	
Business Number	
885141861	
DUNS Number	
Percentage owned	
100.00	
Mailing Address	
Delivery Mode	
General Delivery	
РО Вох	
Rural Route Number	
Address Line 1	
421 Comstock Road	
City *	
Scarborough	
Province/Territory **	

	Ontario
Po	ostal Code: **
	M1L2H5
C	ountry *
	Canada
Facility Info	
Facility *	
DEXTRA	AN PRODUCTS LIMITED
NAICS Co	
325410	
NPRI ID	*
577 (As	ssigned by Environment Canada)
Addres	Ss Line 1 Comstock Road
	Comstock Road
City	
Toro	nto
	nce/Territory
Onta	ario
Postal	l Code
M1L2	2H5
Count	ry
Cana	ada
Additio	onal Information
Land S	Survey Description
	A A
Nation	nal Topographical Description
-	

Geographical Address

5 1		
Latitude **		
43.72310		
Longitude **		
-79.27750		
UTM Zone **		
17		
UTM Easting **		
638741		
UTM Northing **	· · · · · · · · · · · · · · · · · · ·	
4842560		
ty Contacts		
ntact Types		

Facili

Co

Technical Contact

First Name: *	
George	
Last Name: *	
Usher	
Position: *	
Technical Director	
Telephone: *	 9.1
4167552231	
Ext	
Fax	
4167550334	
Email: *	
sm-dextran@rogers.com	

General Delivery	
PO Box	
Rural Route Number	
Address Line 1	2
Address Line 1	
City *	
Toronto	
Province/Territory **	
Ontario	
Postal Code: **	
M1L2H5	
Country *	
Canada	
rtifying Official	
irst Name: *	
George	
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George	2
Last Name: *	
Usher	
Position: *	and the described in th
Technical Director	<u> </u>
Telephone: *	
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Country *	
Canada	
ublic Contact	
First Name: *	
George	anna dan shandin sasasan kanada a Manda Mara in Alba in Alba an Alba an Alba an Alba
Last Name: *	
Usher	
Position: *	
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Address Line 1
City *
Toronto
Province/Territory **
Ontario
Postal Code: **
M1L2H5
Country *
Canada
erson who prepared the report
First Name: *
Sabbir
Last Name: *
Mogra
Position: *
Environmental Health and Safety Coordinator

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ax			
4167550334			
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Province/Territory **			
Ontario			
Postal Code: **			
M1L2H5			
Country *		-	
Canada			

Pollution

Pollution Prevention Plans

Does the facility have a documented pollution prevention plan? *

Yes

If 'Yes'

a) Please check all that apply

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

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

No

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

Substances

Please summarize your pollution prevention plan and/or your pollution prevention activities (this information will be publicly available) **

The company has scrubbers for air pollution control.

Pollution Prevention Activities

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

No

Selecting "Yes" will initiate the reporting of the specific pollution prevention activities that were completed in the current reporting year on the following screen.

Substance Details

67-56-1, Methanol

67-56-1, Methanol

Substance Reporting Status

Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. *

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. *

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) *

No

Would you like to create an exit record for this ON MOE TRA substance? *

Con	nments
era	I Information about the Substance
elea	ises and Transfers of the Substance
Rel	eases and Transfers of the Substance
V	/as the substance released on-site? *
	Yes
	the substance was released on-site and the total quantity released was less than one tonn elect the check-box below
	he substance will be reported as the sum of releases to all media (total of 1 tonne or less).
	Yes
T.	s the facility required to report on disposals of tailings and waste rest for the selected report
	eriod? *
p	s the facility required to report on disposals of tailings and waste rock for the selected report eriod? * No
p	eriod? *
р (eriod? * No
p W	No Vas the substance transferred off-site for recycling? * Yes
p W	No Vas the substance transferred off-site for recycling? *
w a tur	No Vas the substance transferred off-site for recycling? * Yes
w atur Ind	No Vas the substance transferred off-site for recycling? * Yes The of Activities * The of Activities in the substance was manufactured, processed, or otherwise used, by selecting
w atur Ind	No Vas the substance transferred off-site for recycling? * Yes The of Activities * icate whether the substance was manufactured, processed, or otherwise used, by selecting nature of such activities.
atur Ind the	No Vas the substance transferred off-site for recycling? * Yes The of Activities * icate whether the substance was manufactured, processed, or otherwise used, by selecting nature of such activities.

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As a physical or chemical processing aid

TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) **

39.00

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Creation

The amount of substance that is created

Quantity (Tonnes) **

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Contained in Product

The amount of substance contained in product

Quantity (Tonnes) **

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Change in Method of Quantification

Describe the changes **	
Select the reason for change: **	
Describe how the change impact tracking and quantification of	the substance **
Incidents out of the normal course of events	
There have been incidents out of the normal course of events the previous calendar year that affected the results of tracking	
Explain how tracking and quantifications were affected **	
Ciamificant Draces Change	
Significant Process Change	
There has been a significant process change at the facility dur	ing the previous calendar year
more has been a signmeant process analysis at the latine, au	ing the provided calculating from
n-site Releases	
Click " Edit" to enter your reportable values. In order to calculate totals, you must click the " Validate " button.	
Enter the values for releases to air for the substance	
Releases to Air	
Category	
Basis Of Estimate Quantity (Tonnes)	
Quantity (Tollines)	8188 8
Stack or Point Releases	
M3 - Source Testing	

1.36	
Fugitive Releases	
O - Engineering Estimates	
0.027	7
Spills	
NA - Not Applicable	
Other Non-point Releases	
NA - Not Applicable	
al - Releases to Air	
657	
leases to Water Bodies Category Basis Of Estimate	
leases to Water Bodies Category Basis Of Estimate	
leases to Water Bodies Category Basis Of Estimate Quantity (Tonnes)	
leases to Water Bodies Category Basis Of Estimate Quantity (Tonnes) Direct Discharges	
leases to Water Bodies Category Basis Of Estimate Quantity (Tonnes) Direct Discharges NA - Not Applicable	
leases to Water Bodies Category Basis Of Estimate Quantity (Tonnes) Direct Discharges NA - Not Applicable Spills	
leases to Water Bodies Category Basis Of Estimate Quantity (Tonnes) Direct Discharges NA - Not Applicable Spills	

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nter the	values for releases to land (surface and underground)
Releas	ses to Land (the nature of "Other" releases must be specified in the Comments)
Cate	
	Of Estimate stity (Tonnes)
Spill	is and the state of the state o
NA ·	- Not Applicable
Lea	ks
NA	- Not Applicable
Oth	er
NA	- Not Applicable
Total -	Releases to Land
	uantity Released
1.657	
reakdo	wn of Annual Releases
Distribu	ite Equally
Quarte	erly Breakdown *
	Mar %
-	Jun % Sep %
	Dec %
25	
25	

25	
25	
Total %	
100	
	es in Quantities Released from Previous Year ele reason or reasons *
Batch production a chemical	activity for better yield of the final product required more quantity of the
sposals	
posais	
Reasons Why Subst	tance Was Disposed
Select one or more	reasons
Production residue	2S
On-site Disposal (ex	cluding Tailings and Waste Rock)
	your reportable values. e totals, you must click the " Validate " button.
in order to calculate	totals, you must click the validate button.
On-site Disposal	
Category	
Basis Of Estimate	
Quantity (Tonnes)	,
Landfill	
NA - Not Applica	ble
Land Treatment	
NA - Not Applica	DIE

Underground Injection

tal -	· On-site Disposals
Cui	On the pisposals
site	Disposal (excluding Tailings and Waste Rock)
ff-si	te Disposal
	egory
	is Of Estimate
Qua	intity (Tonnes)
La	ndfill
NA	A - Not Applicable
_	· · · · · · · · · · · · · · · · · · ·
La	nd Treatment
N/	A - Not Applicable
Ur	derground Injection
N/	A - Not Applicable
_	
St	orage
N/	A - Not Applicable
1	

Off-site Transfers (excluding Tailings and Waste Rock)

Off-site Transfers for Treatment Prior to Final Disposal

Category Basis Of Estimate Quantity (Tonnes)

Physical Treatment
C - Mass Balance
23.0
Chemical Treatment
NA - Not Applicable
Biological Treatment
NA - Not Applicable
Incineration / Thermal
NA - Not Applicable
Municipal Sewage Treatment Plant
NA - Not Applicable
tal - Treatment Prior to Final Disposal
23.0
tal Quantity Disposed (All Media)
23.0

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for

Physical Treatment

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

23.0

Off-site

Off-Site Name Quantity (Tonnes) Address

Fielding Chemicals 23.0

839 Central Parkway W., Mississauga, ON, Canada

Total Assigned (must equal total reported)

23.0

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

Other (specify in disposals comment field)

Comments? (Disposals)

Batch production activity for better yield of the final product required more quantity of the chemical

Recycling

Reasons Why Substance Was Recycled

Select one or more reasons. *

Pollution abatement residues

Off-site Transfers for Recycling

Click "Edit" to enter your reportable values.

In order to calculate totals, you must click the "Validate" button.

Off-site Transfers

Category

Basis Of Estimate

Quantity (Tonnes)

Energy Recovery

NA - Not Applicable

Recovery of Solvents
C - Mass Balance
23
Recovery of Organic Substances (not solvents)
NA - Not Applicable
Recovery of Metals and Metal Compounds
NA - Not Applicable
Recovery of Inorganic Materials (not metals)
NA - Not Applicable
Recovery of Acids and Bases
NA - Not Applicable
Recovery of Catalysts
NA - Not Applicable
Recovery of Pollution Abatement Residues
NA - Not Applicable
Refining of Re-use of Used Oil
NA - Not Applicable
Other
NA - Not Applicable

Total Quantity Recycled

23

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for

Recovery of Solvents

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

23

Off-site

Off-Site Name Quantity (Tonnes) Address

Fielding Chemicals 23

839 Central Parkway W., Mississauga, ON, Canada

Total Assigned (must equal total reported)

23

Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons *

Other (specify in recycling comments field)

Comments? (Recycling)

Batch production activity for better yield of the final product required more quantity of the chemical

Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Enters the facility (Use)

Enters the facility (Use)

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

39.00	
33.13	
2013	
5.87	
17.72	

Creation

Creation

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0		
0		
2013	* 100	
0		

Contained in Product

Contained in Product

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0	
0	
2013	
0	

Reasons for Change

Reasons for Change

Reason(s) for Change

Other

(please specify)

Batch production activity for better yield of the final product required more quantity of the chemical

(please specify): Batch production activity for better yield of the final product required more quantity of the chemical

Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total Releases to Air

Total Releases to Air

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

1.657	
1.657	
2013	
0.000	
0	

Total Releases to Water

Total Releases to Water

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0		-1-1444
0		
2013		
0	100 TO 10	

Total Releases to Land

Total Releases to Land

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0	
0	
2013	
0	

Reasons for Change

Reasons for Change

Reason(s) for Change

Increase in production levels, Other

(please specify)

Batch production activity for better yield of the final product required more quantity of the chemical

(please specify): Batch production activity for better yield of the final product required more quantity of the chemical

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

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total On-site Disposals

Total On-site Disposals

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0		7. 100	
0			
2013	Paxi I		
0			

Total Off-site Disposals

Total Off-site Disposals

Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change % Change 0 2013 0 Ital Off-site transfer for treatment Prior to Final Disposal Fotal Off-site transfer for treatment Prior to Final Disposal Quantity (Tonnes) Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change 23.0 19.20 2013 3.80 19.79 Ital On-site Disposal of Tailings and Waste Rock Fotal On-site Disposal of Tailings and Waste Rock Quantity (Tonnes) Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change Quantity (Tonnes) Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change % Change	
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19.20 2013 3.80 19.79 tal On-site Disposal of Tailings and Waste Rock Total On-site Disposal of Tailings and Waste Rock Quantity (Tonnes) Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change	
19.20 2013 3.80 19.79 tal On-site Disposal of Tailings and Waste Rock Total On-site Disposal of Tailings and Waste Rock Quantity (Tonnes) Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change	
2013 3.80 19.79 tal On-site Disposal of Tailings and Waste Rock Total On-site Disposal of Tailings and Waste Rock Quantity (Tonnes) Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change	
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Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change	
Reporting Period of Last Reported Quantity * Change	
-	
/v change	
0	

2013	
0	

Total Off-site Disposal of Tailings and Waste Rock

Total Off-site Disposal of Tailings and Waste Rock

Quantity (Tonnes)

Last Reported Quantity (Tonnes) *

Reporting Period of Last Reported Quantity *

Change

% Change

0	
0	
2013	
0	

Reasons for Change

Reasons for Change

Reason(s) for Change

Other

(please specify)

Batch production activity for better yield of the final product required more quantity of the chemical

(please specify): Batch production activity for better yield of the final product required more quantity of the chemical

Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total off-site Transfers for Recycling

Total off-site Transfers for Recycling

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

23	
19.20	
2013	
3.80	
19.79	

Reasons for Change

Reasons for Change

Reason(s) for Change

Other

(please specify)

Batch production activity for better yield of the final product required more quantity of the chemical

(please specify): Batch production activity for better yield of the final product required more quantity of the chemical

67-63-0, Isopropyl alcohol

67-63-0, Isopropyl alcohol

Substance Reporting Status

Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. *

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09

Yes	
Is this considered further clarification	the first report for this substance to the ON MOE TRA? (Please select "Help" for st) st
No	

General Information about the Substance

Releases and Transfers of the Substance

Releases and Transfers of the Substance

Was the substance released on-site? *

Yes

Comments

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? *

Yes

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? *

No

Was the substance transferred off-site for recycling? *

Yes

Nature of Activities *

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Pro	cess the Substance
Oth	nerwise Use of the Substance
As	s a physical or chemical processing aid
, Qı	uantifications
nte	rs the facility (Use), Creation, Contained in Product for ON MOE TRA
En	ters the facility (Use)
	The amount of substance that enters a process as the substance itself or part of another ubstance, rolled up at the facility level.
(Quantity (Tonnes) **
- 1	
	376 Oo you want to use ranges for public reporting? If "No" is selected you are indicating that are sport to the public may contain the exact quantity provided.*
(Do you want to use ranges for public reporting? If "No" is selected you are indicating that an eport to the public may contain the exact quantity provided. * Yes
Cr	Do you want to use ranges for public reporting? If "No" is selected you are indicating that an eport to the public may contain the exact quantity provided. * Yes eation
Cr	Do you want to use ranges for public reporting? If "No" is selected you are indicating that an eport to the public may contain the exact quantity provided. * Yes Peation The amount of substance that is created
Cr	Do you want to use ranges for public reporting? If "No" is selected you are indicating that a report to the public may contain the exact quantity provided. * Yes eation
Cr	Oo you want to use ranges for public reporting? If "No" is selected you are indicating that a eport to the public may contain the exact quantity provided. * Yes Pation The amount of substance that is created Quantity (Tonnes) **
Crr	Oo you want to use ranges for public reporting? If "No" is selected you are indicating that a eport to the public may contain the exact quantity provided. * Yes Pation The amount of substance that is created Quantity (Tonnes) **
Crr	Oo you want to use ranges for public reporting? If "No" is selected you are indicating that an eport to the public may contain the exact quantity provided. * Yes Peation The amount of substance that is created Quantity (Tonnes) ** O you want to use ranges for public reporting? If "No" is selected you are indicating that a
Cro	Oo you want to use ranges for public reporting? If "No" is selected you are indicating that a eport to the public may contain the exact quantity provided. * Yes eation The amount of substance that is created Quantity (Tonnes) ** Oo you want to use ranges for public reporting? If "No" is selected you are indicating that a eport to the public may contain the exact quantity provided. *
Cro	Oo you want to use ranges for public reporting? If "No" is selected you are indicating that an eport to the public may contain the exact quantity provided. * Yes Peation The amount of substance that is created Quantity (Tonnes) ** O Oo you want to use ranges for public reporting? If "No" is selected you are indicating that a report to the public may contain the exact quantity provided. * Yes

<u></u>	S
Change	in Method of Quantification
	has been a change in the method or combination of methods used to track and quantify the ance during the previous calendar year
Descri	be the changes **
	te the reason for change: ** be how the change impact tracking and quantification of the substance **
ncident	s out of the normal course of events
	have been incidents out of the normal course of events that occurred at the facility during evious calendar year that affected the results of tracking/quantification of this substance.
	evious calcifical year that affected the results of tracking, quartification of this susstantion

There has been a significant process change at the facility during the previous calendar year.

On-site Releases

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

Enter the values for releases to air for the substance

Releases to Air

Category Basis Of Estimate Quantity (Tonnes)

-	
	Stack or Point Releases
	M3 - Source Testing
	9.92
•	Storage or Handling Releases
	E2 - Published Emission Factors
	4.70
-	Fugitive Releases
ĺ	M3 - Source Testing
	1.50
1	Spills
	NA - Not Applicable
Fo.	NA - Not Applicable tal - Releases to Air
-	
1	6.12
nte Re	
nte Re	er the values for releases to water bodies eleases to Water Bodies Category Basis Of Estimate
nte Re	er the values for releases to water bodies eleases to Water Bodies Category Basis Of Estimate Quantity (Tonnes)
nte Re	er the values for releases to water bodies eleases to Water Bodies Category Basis Of Estimate Quantity (Tonnes) Direct Discharges

r	Leaks
	NA - Not Applicable
ot	al - Releases to Water Bodies
ter	the values for releases to land (surface and underground)
₹e	leases to Land (the nature of "Other" releases must be specified in the Comments)
	Category
	Basis Of Estimate
C	Quantity (Tonnes)
	Spills
	NA - Not Applicable
}	
	Leaks
	NA - Not Applicable
,	Other
	NA - Not Applicable
ں ot	al - Releases to Land
	al Quantity Released
Γot	
_	6.12

Breakdown of Annual Releases

Distribute Equally

Quarterly Breakdown *

Jan - Mar %

https://inrp-npri.ss.ec.gc.ca/V003/

Oct - Dec %	
25	
25	
25	
25	
Total %	
100	
elect the applicable reason or reasons * Changes in production levels	
C	
Increase in production levels osals	
Increase in production levels osals easons Why Substance Was Disposed	
Increase in production levels oosals easons Why Substance Was Disposed	
Increase in production levels osals easons Why Substance Was Disposed Select one or more reasons Pollution abatement residues	Monto Dook)
posals easons Why Substance Was Disposed Select one or more reasons Pollution abatement residues n-site Disposal (excluding Tailings and V	
Increase in production levels cosals casons Why Substance Was Disposed Select one or more reasons Pollution abatement residues n-site Disposal (excluding Tailings and V	
Increase in production levels cosals casons Why Substance Was Disposed Select one or more reasons Pollution abatement residues n-site Disposal (excluding Tailings and V Click "Edit" to enter your reportable values In order to calculate totals, you must click to	
Increase in production levels osals easons Why Substance Was Disposed Select one or more reasons Pollution abatement residues n-site Disposal (excluding Tailings and Values) Click "Edit" to enter your reportable values In order to calculate totals, you must click to	
Increase in production levels cosals casons Why Substance Was Disposed Select one or more reasons Pollution abatement residues n-site Disposal (excluding Tailings and V Click "Edit" to enter your reportable values In order to calculate totals, you must click to	
Increase in production levels cosals casons Why Substance Was Disposed Select one or more reasons Pollution abatement residues n-site Disposal (excluding Tailings and Values In order to calculate totals, you must click to Con-site Disposal Category	
Increase in production levels cosals casons Why Substance Was Disposed Select one or more reasons Pollution abatement residues n-site Disposal (excluding Tailings and V Click "Edit" to enter your reportable values In order to calculate totals, you must click to On-site Disposal Category Basis Of Estimate	

Under	ground Injection
NA - N	ot Applicable
al - On	-site Disposals
te Dis	posal (excluding Tailings and Waste Rock)
-site [isposal
Catego	
Basis C	f Estimate
2uantii	y (Tonnes)
Landf	l
NA - N	ot Applicable
Land	reatment
NA - N	ot Applicable
Unde	ground Injection
NA - N	ot Applicable
Stora	je
	ot Applicable

Off-site Transfers (excluding Tailings and Waste Rock)

Off-site Transfers for Treatment Prior to Final Disposal

Category Basis Of Estimate Quantity (Tonnes) Physical Treatment C - Mass Balance 10.83 Chemical Treatment NA - Not Applicable Biological Treatment NA - Not Applicable Incineration / Thermal NA - Not Applicable Municipal Sewage Treatment Plant NA - Not Applicable Total - Treatment Prior to Final Disposal 10.83 Total Quantity Disposed (All Media) 10.83

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for

Physical Treatment

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

10.83

Off-site

Off-Site Name Quantity (Tonnes) Address

Fielding Chemicals 10.83

839 Central Parkway W., Mississauga, ON, Canada

Total Assigned (must equal total reported)

10.83

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

Recycling

Reasons Why Substance Was Recycled

Select one or more reasons. *

Production Residues

Off-site Transfers for Recycling

Click "**Edit"** to enter your reportable values.

In order to calculate totals, you must click the "**Validate**" button.

Off-site Transfers

Category Basis Of Estimate Quantity (Tonnes)

Energy Recovery
NA - Not Applicable
Recovery of Solvents
C - Mass Balance
10.83
Recovery of Organic Substances (not solvents)
NA - Not Applicable
Recovery of Metals and Metal Compounds
NA - Not Applicable
Recovery of Inorganic Materials (not metals)
NA - Not Applicable
Recovery of Acids and Bases
NA - Not Applicable
Recovery of Catalysts
NA - Not Applicable
Recovery of Pollution Abatement Residues
NA - Not Applicable
Refining of Re-use of Used Oil
NA - Not Applicable

Other	· · · · · · · · · · · · · · · · · · ·	
NA - Not Applicable		
otal Quantity Recycled		

10.83

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for

Recovery of Solvents

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

10.83

Off-site

Off-Site Name Quantity (Tonnes) Address Fielding Chemicals 10.83

839 Central Parkway W., Mississauga, ON, Canada

Total Assigned (must equal total reported)

10.83

Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons *

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Enters the facility (Use)

Enters the facility (Use)

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

376			
219.35			
2013			
156.65			
71.42		>	

Creation

Creation

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0				
0			 District Services	
2013				
0	***************************************	Ate The State of t	 	HIN. 20

Contained in Product

Contained in Product

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0	
0	
2013	77 5
0	

Reasons for Change

Reasons for Change

Reason(s) for Change

Increase in production levels

(please specify)

Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total Releases to Air

Total Releases to Air

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change

% Change

16.12	
16.12	
2013	
0.00	
0	

Total Releases to Water

Total Releases to Water

```
Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change
```



Total Releases to Land

Total Releases to Land

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0	
0	
2013	
0	

Reasons for Change

Reasons for Change

Reason(s) for Change

No reasons - quantities approximately the same
(please specify)

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

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total On-site Disposals

Total On-site Disposals

Quantity (Tonnes)

Last Reported Quantity (Tonnes) *

Reporting Period of Last Reported Quantity *

Change

% Change

0	
0	
2013	
0	

Total Off-site Disposals

Total Off-site Disposals

Reporting Period of Last Reported Quantity * Change	
% Change	
)	24 2 2 2 1
)	
2013	
0	
Off-site transfer for treatment Prior to Final Disposal	
al Off-site transfer for treatment Prior to Final Disposal	
Quantity (Tonnes)	
Last Reported Quantity (Tonnes) *	
Reporting Period of Last Reported Quantity * Change	
% Change	
10.83	
10.81	
2013	
0.02	
0.19	
On site Diamond of Tailings and Maste Dook	
On-site Disposal of Tailings and Waste Rock	
On-site Disposal of Tailings and Waste Rock	
al On-site Disposal of Tailings and Waste Rock	
al On-site Disposal of Tailings and Waste Rock Quantity (Tonnes) Last Reported Quantity (Tonnes) *	
Quantity (Tonnes) Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity *	
Quantity (Tonnes) Last Reported Quantity (Tonnes) *	

2013	<u> </u>	
0		k.

Total Off-site Disposal of Tailings and Waste Rock

Total Off-site Disposal of Tailings and Waste Rock

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0		
0		
2013		
0		

Reasons for Change

Reasons for Change

Reason(s) for Change

No reasons - quantities approximately the same

(please specify)

Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total off-site Transfers for Recycling

Total off-site Transfers for Recycling

Quantity (Tonnes)

Last Reported Quantity (Tonnes) *

Reporting Period of Last Reported Quantity *

Change

% Change

10.83	
10.81	
2013	
0.02	
0.19	

Reasons for Change

Reasons for Change

Reason(s) for Change

No reasons - quantities approximately the same

(please specify)

7647-01-0, Hydrochloric acid

7647-01-0, Hydrochloric acid

Substance Reporting Status

Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. *

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. *

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) *

Would you like to create an exit record for this ON MOE TRA substance? * No Comments eneral Information about the Substance Releases and Transfers of the Substance Releases and Transfers of the Substance	
Comments eneral Information about the Substance Releases and Transfers of the Substance	
neral Information about the Substance Releases and Transfers of the Substance	
Releases and Transfers of the Substance	
Releases and Transfers of the Substance	
Releases and Transfers of the Substance	
Was the substance released on-site? *	
No	
The substance will be reported as the sum of releases to all media (total of 1 tonne or leases) Disposals and Off-site Transfers for Recycling Was the substance disposed of (on-site or off-site), or transferred for treatment prior to disposal? *	
No	***************************************
Is the facility required to report on disposals of tailings and waste rock for the selected period? *	reportir
No	
Was the substance transferred off-site for recycling? *	
No	

https://inrp-npri.ss.ec.gc.ca/V003/

Otherwise Use of the Substance

As a manufacturing aid

TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) **

63.19

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Creation

The amount of substance that is created

Quantity (Tonnes) **

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Contained in Product

The amount of substance contained in product

Quantity (Tonnes) **

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes **

Company uses lesser quantity of the material due to better work practices training.

Select the reason for change: **

A result of review of the current version of the toxic substance reduction plan for the substance under section 7 of the Act

Describe how the change impact tracking and quantification of the substance **

Company uses lesser quantity of the material due to better work practices training.

Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected **

Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

On-site Releases

Click "Edit" to enter your reportable values.

In order to calculate totals, you must click the "Validate" button.

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons *

Other (specify in On-site Releases comment field)

Comments ? (On-Site Releases) **

It is not released.

Disposals

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

Other (specify in disposals comment field)

Comments? (Disposals)

Don't dispose this chemical.

Recycling

Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons *

Other (specify in recycling comments field)

Comments? (Recycling)

Don't recycle this chemical.

Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Enters the facility (Use)

Enters the facility (Use)

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change

% Change

63.19	
71.722	Institute the second of the se
2013	Compact Compact Compact
-8.532	
-11.90	

Creation

Creation

Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change % Change	
0	± 12 1 1 1 4 1
0	
2013	
0	
tained in Product	

Co

Contained in Product

Quantity (Tonnes) Last Reported Quantity (Tonnes) * Reporting Period of Last Reported Quantity * Change % Change

0	
0	
2013	
0	

Reasons for Change

Reasons for Change

Other	
please specify)	

(please specify): Company uses lesser quantity of the material due to better work practices training.

NA - 07, Cyanides (ionic)

NA - 07, Cyanides (ionic)

Substance Reporting Status

Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. *

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. *

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) *

No

Would you like to create an exit record for this ON MOE TRA substance? *

No

Comments

General Information about the Substance

Releases and Transfers of the Substance

Releases and Transfers of the Substance

Was the substance released on-site? *

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? *

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? *

No

Was the substance transferred off-site for recycling? *

No

Nature of Activities *

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

For on-site use/processing

Process the Substance

As a reactant

Otherwise Use of the Substance

As a physical or chemical processing aid

TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) **

4.2

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Creation

The amount of substance that is created

Quantity (Tonnes)	**
0	
•	e ranges for public reporting? If "No" is selected you are indicating that any may contain the exact quantity provided. *
Yes	
Contained in Produ	ıct
The amount of sub	stance contained in product
Quantity (Tonnes)	**
0	

•	e ranges for public reporting? If "No" is selected you are indicating that any contain the exact quantity provided. *
Yes	
	ange in the method or combination of methods used to track and quantify the previous calendar year
Describe the changes	s **
	Lucian a summer a Source of the
Select the reason fo	r change: **
	TEL TYPETIC TO THE
Describe how the cha	ange impact tracking and quantification of the substance **
cidents out of the no	ormal course of events
	dents out of the normal course of events that occurred at the facility during r year that affected the results of tracking/quantification of this substance.
Explain how tracking	and quantifications were affected **

Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

On-site Releases

Click "**Edit**" to enter your reportable values. In order to calculate totals, you must click the "**Validate**" button.

Total Quantity Released (All Media)

Releases to All Media

Category Basis Of Estimate Quantity (Tonnes)

Total Quantity Released

M3 - Source Testing

0.1

Breakdown of Annual Releases

Distribute Equally

Quarterly Breakdown *

Jan - Mar %

Apr - Jun %

Jul - Sep %

Oct - Dec %

25

25

25

25

Total %

100

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons *

Pollution prevention activities

Comments ? (On-Site Releases) **

Company uses lesser quantity of the material due to better work practices training.

Disposals

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

Pollution prevention activities

Comments? (Disposals)

Company uses lesser quantity of the material due to better work practices training.

Recycling

Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons *

Pollution prevention activities

Comments? (Recycling)

Company uses lesser quantity of the material due to better work practices training.

Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Enters the facility (Use)

Enters the facility (Use)

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

4.2

5.2

2013	
-1.0	
-19.23	

Creation

Creation

```
Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change
```

0			di i		
0				- Sentence and the Laboratory an	
2013					
0					

Contained in Product

Contained in Product

```
Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change
```

0		
0		
2013		
0		
	10, 33, 70, 33, 50	

Reasons for Change

Reasons for Change

Reason(s) for Change

Other

(please specify)

Company uses lesser quantity of the material due to better work practices training.

(please specify): Company uses lesser quantity of the material due to better work practices training.

Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total Quantity Released (All Media)

Quantity (Tonnes)
Last Reported Quantity (Tonnes) *
Reporting Period of Last Reported Quantity *
Change
% Change

0.1	
0.42	
2013	
-0.32	
-76.19	

Reasons for Change

Reasons for Change

Reason(s) for Change

Other

(please specify)

Company uses lesser quantity of the material due to better work practices training.

(please specify): Company uses lesser quantity of the material due to better work practices training.

NA - M16, Volatile Organic Compounds (VOCs)

NA - M16, Volatile Organic Compounds (VOCs)

Substance Reporting Status

Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. *

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. *

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) *

No

Would you like to create VOC exit record(s) for this ON MOE TRA substance? *

No

Comments

General Information about the Substance

Releases and Transfers of the Substance

Releases and Transfers of the Substance

Select the check box if 1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air

TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) **

415

Volatile Organic Compound (VOC) Breakdown

Details

Enter breakdown values for

Enters the facility (Use)

Total Speciated VOCs

415

VOC Substance list *

CAS Number

Substance Name

Quantity (tonnes)

67-56-1

Methanol

39

67-63-0

Isopropyl alcohol

376

Total VOCs Reported

415

Total Speciated VOCs

415

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Creation

The amount of substance that is created

Quantity (Tonnes) ** Volatile Organic Compound (VOC) Breakdown Details Enter breakdown values for Creation Total Speciated VOCs 0 **VOC Substance list*** CAS Number Substance Name Quantity (tonnes) 67-56-1 Methanol 67-63-0 Isopropyl alcohol 0 Total VOCs Reported

0

Total Speciated VOCs

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Yes

Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

	scribe the changes **
Se	lect the reason for change: **
De	scribe how the change impact tracking and quantification of the substance **
ncid	lents out of the normal course of events
	ere have been incidents out of the normal course of events that occurred at the facility during previous calendar year that affected the results of tracking/quantification of this substance
Ex	plain how tracking and quantifications were affected **
.3'	ificant Process Change
Th -site	ere has been a significant process change at the facility during the previous calendar year. Releases "Edit" to enter your reportable values.
Th -site	ere has been a significant process change at the facility during the previous calendar year. Releases
Th-site	ere has been a significant process change at the facility during the previous calendar year. Releases "Edit" to enter your reportable values.
Th -site Click n or	ere has been a significant process change at the facility during the previous calendar year. Releases "Edit" to enter your reportable values. der to calculate totals, you must click the "Validate" button. er the values for releases to air for the substance
The site click of or	ere has been a significant process change at the facility during the previous calendar year. Releases "Edit" to enter your reportable values. der to calculate totals, you must click the "Validate" button.
The site lick or or or Ente	ere has been a significant process change at the facility during the previous calendar year. Releases "Edit" to enter your reportable values. der to calculate totals, you must click the "Validate" button. er the values for releases to air for the substance eleases to Air Category Basis Of Estimate
The site click of or	ere has been a significant process change at the facility during the previous calendar year. Releases "Edit" to enter your reportable values. der to calculate totals, you must click the "Validate" button. The values for releases to air for the substance eleases to Air Category Basis Of Estimate Quantity (Tonnes)
The site	ere has been a significant process change at the facility during the previous calendar year. Releases "Edit" to enter your reportable values. der to calculate totals, you must click the "Validate" button. er the values for releases to air for the substance eleases to Air Category Basis Of Estimate Quantity (Tonnes) Stack or Point Releases
The site lick or or or Ente	ere has been a significant process change at the facility during the previous calendar year. Releases "Edit" to enter your reportable values. der to calculate totals, you must click the "Validate" button. er the values for releases to air for the substance eleases to Air Category Basis Of Estimate Quantity (Tonnes) Stack or Point Releases M3 - Source Testing

Fugitive Releases

M3 - Source Testing

1.53

Spills

NA - Not Applicable

Other Non-point Releases

NA - Not Applicable

Total - Releases to Air

17.78

Volatile Organic Compound (VOC) Breakdown

Enter the quantity (Tonnes) of volatile organic compounds (VOCs) in the column below, then click "Save and Return". If there are no values for certain VOC species, you may leave those quantity fields blank.

Volatile Organic Compound (VOC) Breakdown

Details

Enter breakdown values for

Other Sources - Speciated VOCs

Quantity (Tonnes)

17.78

Total VOCs Reported

17.78

Total Speciated VOCs

17.777

VOC Substance list *

CAS Number Substance Name Quantity (tonnes) 67-56-1

Methanol

1.657

67-63-0

Isopropyl alcohol

16.12

Total VOCs Reported

17.78

Total Speciated VOCs

Enter the values for releases to air for Part 5 VOCs

Releases from Other Sources - Speciated VOCs

Click "**Edit**" to enter release values for speciated VOCs that are from all other categories above **including** stacks <50m. To enter speciated VOC releases from stacks ≥50m, click "**Edit**" beside "Stack or Point Releases" in the table above.

Category Basis Of Estimate Quantity (Tonnes)

17.777

Other Sources - Speciated VOCs

NA - Not Applicable

17.78

Breakdown of Annual Releases

Distribute Equally

Monthly Releases

January % February % March % April %

8.33

8.33			
8.34			W
8.33			

May %

June %

July %

August %

8.33	
8.34	
8.33	
8.33	

September %

October %

November %

December %

8.34					
8.33					

8.33

8.34

Total %

100.00

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons *

Changes in production levels, Other (specify in On-site Releases comment field)

Comments ? (On-Site Releases) **

Batch production activity for better yield of the final product required more quantity of the chemical. Higher number of batches for Dextran production required higher quantity of the material.

Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Enters the facility (Use)

Breakdown Substances

Cubatanas Nama	
Substance Name Methanol	
Quantity (Tonnes)	akendi darumaken kuntur erikan katilikalah dalah dalah dan dalah dalah dalah dalah dalah dalah dalah dan darah
39	
Last Reported Quantity (Tonnes) *	
33.13	
Reporting Period of Last Reported Quantity *	
2013	
Change	
5.87	
% Change	
(
17.72	
AS RN: 67-63-0, Substance Name: Isopropyl alcohol Substance Name Isopropyl alcohol	- 1 M - 1 - 1 - 1 - 2 - 1 - 2
AS RN: 67-63-0, Substance Name: Isopropyl alcohol Substance Name	
AS RN: 67-63-0, Substance Name: Isopropyl alcohol Substance Name Isopropyl alcohol	
AS RN: 67-63-0, Substance Name: Isopropyl alcohol Substance Name Isopropyl alcohol Quantity (Tonnes)	
AS RN: 67-63-0, Substance Name: Isopropyl alcohol Substance Name Isopropyl alcohol Quantity (Tonnes) 376	
AS RN: 67-63-0, Substance Name: Isopropyl alcohol Substance Name Isopropyl alcohol Quantity (Tonnes) 376 Last Reported Quantity (Tonnes) *	

156.65		
% Change		
71.42		

Creation

Breakdown Substances

CAS RN: 67-56-1, Substance Name: Methanol

Substance Name

Methanol

Quantity (Tonnes)

Last Reported Quantity (Tonnes) *

0

0

Reporting Period of Last Reported Quantity *

2013

Change

0

% Change

CAS RN: 67-63-0, Substance Name: Isopropyl alcohol

Substance Name

Isopropyl alcohol

Quantity (Tonnes)

0

Last Reported Quantity (Tonnes) *

0

Reporting Period of Last Reported Quantity *

2013

Change

0		
% Change		
70 Change	 	

Reasons for Change

Reasons for Change

Reason(s) for Change

Increase in production levels, Other

(please specify)

Batch production activity for better yield of the final product required more quantity of the chemical. Higher number of batches for Dextran production required higher quantity of the material.

(please specify): Batch production activity for better yield of the final product required more quantity of the chemical. Higher number of batches for Dextran production required higher quantity of the material.

Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values.

If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total Releases to Air

Breakdown Substances

CAS RN: 67-56-1, Substance Name: Methanol

Substance Name

Methanol

Quantity (Tonnes)

1.657

Last Reported Quantity (Tonnes) *

1.657

Reporting Period of Last Reported Quantity *

2013

Change

0.000

% Change

0

CAS RN: 67-63-0, Substance Name: Isopropyl alcohol

Substance Name

Isopropyl alcohol

Quantity (Tonnes)

16.12

Last Reported Quantity (Tonnes) *

16.12

Reporting Period of Last Reported Quantity *

2013

Change

0.00

% Change

0

Reasons for Change

Reasons for Change

Reason(s) for Change

Increase in production levels, Other

(please specify)

TeBatch production activity for better yield of the final product required more quantity of the chemical. Higher number of batches for Dextran production required higher quantity of the material.

(please specify): TeBatch production activity for better yield of the final product required more quantity of the chemical. Higher number of batches for Dextran production required higher quantity of the material.

Post Plan Substance Details

67-56-1, Methanol

67-56-1, Methanol

Objectives, Description and Targets

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

Objectives

Objectives in plan: *

More accurate measurement of Methanol during addition.

Use Targets

What is the targeted reduction in use of the toxic substance at the facility? *

Quantity Unit	No	quantity target	
or			
1200			
kg			

What is the targeted timeframe for this reduction? *

years		
or		
5		

No timeline target

Changes will require product being put on stability to show customers there is no deliterious effect on the product

Creation Targets

What is the targeted reduction in creation of the toxic substance at the facility? *

	No quantity target
Quan	tity
Unit	
or	
What is t	the targeted timeframe for this reduction? *
years	No timeline target
7 5	•
or	•
Description	
	on of targets
Product	is not created on site
0.00	
ions	
oxic Red	uction Options Implemented
Equipme	ent or process modifications
luo n no n	and application to abrigues
•	ved application techniques
Activ	
Im	proved application techniques
	cribe the steps that were taken in the reporting period to implement the toxic reduction: *
- 1	tch production activity for better yield of the final product required more quantity of the emical.
Prov	ride a public summary of the description of the steps: *
1	tch production activity for better yield of the final product required more quantity of the emical.

actual steps taken during the reporting period: *

Batch production activity for better yield of the final product required more quantity of the chemical.

Provide a public summary of the comparison of the steps: *

Batch production activity for better yield of the final product required more quantity of the chemical.

Reductions due to Options Implemented

Select All

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	
tonnes		
The amount of reduction in c period that resulted due to t	reation of the substance at the fa the steps described:	cility during the reporting
	₽	
	No Amount	
The amount of reduction in t	he substance contained in produc	t at the facility during the
The amount of reduction in t	he substance contained in produc ed due to the steps described: No Amount	t at the facility during th
The amount of reduction in t	d due to the steps described:	t at the facility during th
	d due to the steps described:	t at the facility during the
The amount of reduction in the reporting period that resulte tonnes The amount of reduction in r	d due to the steps described:	
The amount of reduction in the reporting period that resulte tonnes The amount of reduction in r	No Amount release to air of the substance at the	
The amount of reduction in the reporting period that resulte tonnes The amount of reduction in r	No Amount release to air of the substance at the	
The amount of reduction in the reporting period that resulte tonnes The amount of reduction in r	No Amount release to air of the substance at the due to the steps described:	

No Amount

tonnes	
	in release to land of the substance at the facility during the ulted due to steps described:
	No Amount
tonnes	
	in the substance disposed on-site (including tailings and wasteng the reporting period that resulted due to the steps described
	No Amount
tonnes	
	in the substance disposed off-site (including tailings and wasteng the reporting period that resulted due to the steps described
	No. Associate
	No Amount
	No Amount
The amount of reduction	No Amount in the substance recycled off-site at the facility during the ulted due to the steps described:
The amount of reduction	in the substance recycled off-site at the facility during the
The amount of reduction	in the substance recycled off-site at the facility during the
	in the substance recycled off-site at the facility during the ulted due to the steps described:
The amount of reduction reporting period that res	in the substance recycled off-site at the facility during the ulted due to the steps described:
The amount of reduction reporting period that res	in the substance recycled off-site at the facility during the ulted due to the steps described:
The amount of reduction reporting period that restonnes tonnes ill the timelines in the cur	in the substance recycled off-site at the facility during the ulted due to the steps described: No Amount
The amount of reduction reporting period that res	in the substance recycled off-site at the facility during the ulted due to the steps described: No Amount

Actions

Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? *

No

	pad week a sign to be play
ovide a public summary of the desc	cription of the additional action taken: **
	1.1
eductions due to additional actio	ons taken ""
	Select All
The amount of reduction in use of t resulted due to the additional actio	the substance at the facility during the reporting period tha ons.
	No Amount
tonnes	
The amount of reduction in creatio that resulted due to the additional	on of the substance at the facility during the reporting perional actions.
	No Amount
tonnes	
The amount of reduction in the sub reporting period that resulted due	bstance contained in product at the facility during the to the additional actions.
	No Amount
tonnes	
The amount of reduction in release period that resulted due to the ad-	e to air of the substance at the facility during the reporting Iditional actions.
	No Amount
tonnes	
The amount of reduction in releas e period that resulted due to the ad	e to water of the substance at the facility during the repor
•	

https://inrp-npri.ss.ec.gc.ca/V003/

tonnes	
	ant of reduction in release to land of the substance at the facility during the reporting at resulted due to additional actions.
	No Amount
tonnes	
	unt of reduction in the substance disposed on-site (including tailings and waste rocks cility during the reporting period that resulted due to the additional actions.
	No Amount
tonnes	
	ant of reduction in the substance disposed off-site (including tailings and waste rock cility during the reporting period that resulted due to the additional actions.
	No Amount
	unt of reduction in the substance recycled off-site at the facility during the reporting at resulted due to the additional actions.
The amou	
The amou	
The amou	at resulted due to the additional actions.
The amou	at resulted due to the additional actions.
The amor	at resulted due to the additional actions.
The amor period th tonnes	at resulted due to the additional actions.
The amore period the tonnes andments	No Amount
The amor	No Amount
The amore period the tonnes endments	No Amount
The amore period the tonnes andments	No Amount
The amore period the tonnes endments mendments. Were any and No.	No Amount S mendments made to the toxic substance reduction plan during the reporting period?
The amore period the tonnes endments mendments. Were any and No.	No Amount Someondments made to the toxic substance reduction plan during the reporting period? any amendments that were made to the toxic substance reduction plan during the

https://inrp-npri.ss.ec.gc.ca/V003/

substance reduction plan during the reporting period **

67-63-0, Isopropyl alcohol

67-63-0, Isopropyl alcohol

Objectives, Description and Targets

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

Objectives

Objectives in plan: *

A new production method for Dextran will be investigated. This will require personnel time for research and development. Costs cannot be accurately estimated at this time as we are unsure of the research involved and the possible progress. Based on current knowledge our best estimate is one full time employee for about one year or perhaps \$75,000. An opening for this position has been posted and resumes are being collected. The outcome is not guaranteed. The most immediate option is the production of Iron Dextran 10% by a different process eliminating the use of IPA. The most immediate option is the production of Iron Dextran 20% by a different process eliminating the use of IPA.

Use Targets

What is the targeted reduction in use of the toxic substance at the facility? *

Quantity Unit	No quantity	target		
or				
25				U
tonnes				

What is the targeted timeframe for this reduction? *

No timeline target

years

5	
escription of Target	
escription of range:	
eation Targets	
What is the targeted reduction in cr	reation of the toxic substance at the facility? *
	No quantity target
Quantity Unit	
or	
What is the targeted timeframe for	
What is the targeted timeframe for years	this reduction? * No timeline target
	No timeline target
years	No timeline target
years or Description of targets	No timeline target
years	No timeline target
years or Description of targets Product is not created at this facility	No timeline target
years or Description of targets	No timeline target
years or Description of targets Product is not created at this facility ons	No timeline target
years or Description of targets Product is not created at this facility	No timeline target
years or Description of targets Product is not created at this facility ons xic Reduction Options Implemente	No timeline target
years or Description of targets Product is not created at this facility ons xic Reduction Options Implemente Product design or reformulation Modified design or composition	No timeline target
years or Description of targets Product is not created at this facility ons xic Reduction Options Implemente	No timeline target

Describe the steps that were taken in the reporting period to implement the toxic reduction

https://inrp-npri.ss.ec.gc.ca/V003/

option: *

Higher number of batches for Dextran production required higher quantity of the material.

Provide a public summary of the description of the steps: *

Higher number of batches for Dextran production required higher quantity of the material.

Provide a comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period: *

Higher number of batches for Dextran production required higher quantity of the material.

Provide a public summary of the comparison of the steps: *

Higher number of batches for Dextran production required higher quantity of the material.

Reductions due to Options Implemented

Select All

The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the steps described:

that resulted due to	•
	€
	No Amount
tonnes	
	action in creation of the substance at the facility during the reporting due to the steps described:
	✓
	No Amount
tonnes	
The amount of redu	uction in the substance contained in product at the facility during that resulted due to the steps described:
The amount of redu	uction in the substance contained in product at the facility during the at resulted due to the steps described:
The amount of redu	
The amount of redu	at resulted due to the steps described:
The amount of redu	at resulted due to the steps described:
The amount of redu reporting period the tonnes The amount of redu	at resulted due to the steps described:
The amount of redu reporting period the tonnes The amount of redu	No Amount uction in release to air of the substance at the facility during the

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
tonnes
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
tonnes
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
tonnes
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
tonnes
The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described:

Will the timelines in the current version of the plan will be met. *

No

Comments

tonnes

Higher number of batches for Dextran production required higher quantity of the material.

Actions

Additional Actions

lo	· · · · · · · · · · · · · · · · · · ·
scribe any ado	ditional actions that were taken during the reporting period to achieve the plan
,	
ovide a public	summary of the description of the additional action taken: **

eductions due	e to additional actions taken **
	Select All
	f reduction in use of the substance at the facility during the reporting period that to the additional actions.
	No Amount
that resulted (due to the additional actions.
·	No Amount
tonnes	
	f reduction in the substance contained in product at the facility during the od that resulted due to the additional actions.
. opo. cg po	
	No Amount
tonnes	
	f reduction in release to air of the substance at the facility during the reporting sulted due to the additional actions.
	No Amount
	NO AMOUNT

	No Amount	
tonnes		
	uction in release to land of the substance at the due to additional actions.	he facility during the report
	No Amount	
tonnes		
	uction in the substance disposed on-site (inclug g the reporting period that resulted due to the	
	No Amount	= 1 1
tonnes		
	uction in the substance disposed off-site (incl g the reporting period that resulted due to the	-
	-	-
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Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period **

7647-01-0, Hydrochloric acid

7647-01-0, Hydrochloric acid

Objectives, Description and Targets

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

Objectives

Objectives in plan: *

We plan to reformulate on process and investigate alternate equipment

Use Targets

What is the targeted reduction in use of the toxic substance at the facility? *

Quantity Unit or 129.86 kg

What is the targeted timeframe for this reduction? *

or 5

No timeline target

Description of Target

Some reductions will be implemented immediately, others will require purchase and installation

of new equipment **Creation Targets** What is the targeted reduction in creation of the toxic substance at the facility? * No quantity target Quantity Unit or What is the targeted timeframe for this reduction? * No timeline target years or Description of targets **Toxic Reduction Options Implemented**

Options

Materials or feedstock substitution

Other

Activity

Other

Describe the steps that were taken in the reporting period to implement the toxic reduction option: *

Company uses lesser quantity of the material due to better work practices training.

Provide a public summary of the description of the steps: *

Company uses lesser quantity of the material due to better work practices training.

Provide a comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period: *

Company uses lesser quantity of the material due to better work practices training.

Provide a public summary of the comparison of the steps: *

Company uses lesser quantity of the material due to better work practices training.

Reductions due to Options Implemented

Select All

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

8

tonnes

The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the steps described:

4

No Amount

tonnes

The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the steps described:

4

No Amount

tonnes

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:

4

No Amount

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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:

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Actions

Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? *

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substance reduction plan during the reporting period **	

NA - 07, Cyanides (ionic)

NA - 07, Cyanides (ionic)

Objectives, Description and Targets

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Objectives

Objectives in plan: *

Improved inventory management of purchasing techniques should reduce use.

Use Targets

What is the targeted reduction in use of the toxic substance at the facility? *

Quantity Unit or 180 kg

What is the targeted timeframe for this reduction? *

Vears Or 5 Description of Target It may take some time to have material packed in smaller containers

Creation Targets

What is the targeted reduction in creation of the toxic substance at the facility? *

	Quantity
	Jnit
or	
_	
Wha	at is the targeted timeframe for this reduction? *
	No timeline target
1	years
	₹
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=	100.2'
Desc	cription of targets
ions	
ovio	Reduction Options Implemented
UXIC	Reduction Options implemented
	roved inventory management or purchasing techniques
lmp	, a company and a company
	a manufacturation in the first section of the contract of the
	stituted improved purchasing procedures
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	Activity Instituted improved purchasing procedures Describe the steps that were taken in the reporting period to implement the toxic reductions.
	Activity Instituted improved purchasing procedures Describe the steps that were taken in the reporting period to implement the toxic reduction option: *

Provide a comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period: *

Company uses lesser quantity of the material due to better work practices training.

Provide a public summary of the comparison of the steps: *

Company uses lesser quantity of the material due to better work practices training.

Reductions due to Options Implemented

Select All

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

1

tonnes

The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the steps described:

4

No Amount

tonnes

The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the steps described:

4

No Amount

tonnes

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:

4

No Amount

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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:

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II the timelines in the current ve	ersion of the plan will be met. *
es	•
omments	

Actions

Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? *

No

Describe any additional actions that were taken during the reporting period to achieve the plan's

ovide a public summ	ary of the description of the additional action taken: **
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