



National Pollutant Release Inventory (NPRI) and Partners



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SWIM > 2016 > ITL (Integrated Technology Ltd.) > ITL CIRCUITS > Report Preview

Report Preview

Report Details

Report Year	2016
Report Type:	NPRI,ON MOE TRA
Report Status:	Submitted
Modified Date/Time:	15/05/2017 12:49 PM

Company and Facility Details

Company Name:	ITL (Integrated Technology Ltd).
Business Number:	886862994
Mailing Address:	Address Line 1: 90 Don Park Road City, Province/Territory, Postal Code: Markham Ontario L3R 1C4 Country: Canada
Facility Name:	ITL CIRCUITS
NAICS Code:	334410
NPRI ID:	1519
Physical Address:	Address Line 1: 90 Don Park Road City, Province/Territory, Postal Code: Markham Ontario L3R1C4 Country: Canada Latitude: 43.82330 Longitude: -79.34890 UTM Zone: 17 UTM Easting: 632771 UTM Northing: 4853628

Permits

Number or Permit Number:	ON0427701
Government Department, Agency, or Program Name:	Ontario MOE - Hazardous Waste Generator Number
Number or Permit Number:	ON0427700
Government Department, Agency, or Program Name:	Ontario MOEE - Hazardous Waste Generator Number

Contacts Details

Contact Type	Technical Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Satish Patel
Position:	Technician
Telephone:	9054756658

Email:	spatel@itlcircuits.com
Contact Type	Certifying Official, Company Coordinator, Highest Ranking Employee, Public Contact
Name:	Papas George
Position:	Engineering Manager
Telephone:	9054756658
Email:	george@itlcircuits.com

General Information

Number of employees:	120
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:	None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene:	None of the above
Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):	Wood preservation using creosote: No
Is this the first time the facility is reporting to the NPRI (under current or past ownership):	No
Is the facility controlled by another Canadian company or companies:	No
Did the facility report under other environmental regulations or permits:	No
Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants):	No
Operating Schedule - Days of the Week:	Mon, Tue, Wed, Thu, Fri
Usual Number of Operating Hours per day:	8
Usual Daily Start Time (24h) (hh:mm):	08:00

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 06	Copper (and its compounds)	0.3840	N/A	15.4600	1.2660	tonnes
NA - 08	Lead (and its compounds)	1.0500	N/A	246.3900	N/A	kg
7664-93-9	Sulphuric acid	0.0001	N/A	N/A	4.6530	tonnes

Applicable Programs

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
NA - 06	Copper (and its compounds)	Yes	Yes		No
NA - 08	Lead (and its compounds)	Yes	Yes		No
7664-93-9	Sulphuric acid	Yes	Yes		No

General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
NA - 06	Copper (and its compounds)	Yes	No	No
NA - 08	Lead (and its compounds)	Yes	No	No
7664-93-9	Sulphuric acid	Yes	No	No

General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Average annual concentration (ppm)	Sampling Detection Limit	Estimated Half Method Detection Limit (ppm)	More than one method	Additional Information
NA - 06	Copper (and its compounds)	Direct Discharges	2.1			False	

On-site Releases - Releases to water - Total

CAS RN	Substance Name	Total - Releases to Water
NA - 06	Copper (and its compounds)	0.375 tonnes

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

CAS RN	Substance Name	Category	Water Body Name	Water Shed ID	Quantity
NA - 06	Copper (and its compounds)	Direct Discharges	Lake Ontario		0.375 tonnes

On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 06	Copper (and its compounds)	0.384 tonnes
NA - 08	Lead (and its compounds)	1.050 kg
7664-93-9	Sulphuric acid	0.0001 tonnes

On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NA - 06	Copper (and its compounds)	25	25	25	25
NA - 08	Lead (and its compounds)	25	25	25	25
7664-93-9	Sulphuric acid	25	25	25	25

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

CAS RN	Substance Name	Reasons for Changes in Quantities from Previous Year	Comments
7664-93-9	Sulphuric acid	No significant change (i.e. < 10%) or no change	
NA - 06	Copper (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - 08	Lead (and its compounds)	No significant change (i.e. < 10%) or no change	

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

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 06	Copper (and its compounds)	Chemical Treatment	M3 - Source Testing		1.266 tonnes
7664-93-9	Sulphuric acid	Chemical Treatment	M3 - Source Testing		4.653 tonnes

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

CAS RN	Substance Name	Total - Treatment Prior to Final Disposal
NA - 06	Copper (and its compounds)	1.266 tonnes
7664-93-9	Sulphuric acid	4.653 tonnes

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

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
7664-93-9	Sulphuric acid	Chemical Treatment	CMI	129 FENMAR DRIVE, TORONTO, ON, CANADA	4.653 tonnes
NA - 06	Copper (and its compounds)	Chemical Treatment	CMI	129 FENMAR DRIVE, TORONTO, ON, CANADA	1.266 tonnes

Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
NA - 06	Copper (and its compounds)	1.266 tonnes
7664-93-9	Sulphuric acid	4.653 tonnes

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
7664-93-9	Sulphuric acid	Production residues	Changes in production levels	
NA - 06	Copper (and its compounds)	Production residues	No significant change (i.e. < 10%) or no change	
NA - 08	Lead (and its compounds)		No significant change (i.e. < 10%) or no change	

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	M3 - Source Testing		15.46 tonnes
NA - 08	Lead (and its compounds)	Recovery of Metals and Metal Compounds	M3 - Source Testing		246.39 kg

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 06	Copper (and its compounds)	15.46 tonnes
NA - 08	Lead (and its compounds)	246.39 kg

Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Matrix Electronics Ltd.	1124 Midway Blvd., Mississauga, ON, Canada	15.46 tonnes
NA - 08	Lead (and its compounds)	Recovery of Metals and Metal Compounds	Matrix Electronics Ltd.	1124 Midway Blvd., Mississauga, ON, Canada	246.39 kg

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
7664-93-9	Sulphuric acid		No significant change (i.e. < 10%) or no change	
NA - 06	Copper (and its compounds)	Off-specification products	Changes in production levels	
NA - 08	Lead (and its compounds)	Unusable parts or discards	Changes in production levels	

Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Enters the facility (Use)	43.399 tonnes	12.1 tonnes	2015	31.299	258.67
NA - 06	Copper (and its compounds)	No	Creation	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Contained in Product	27.555 tonnes	9.5175 tonnes	2012	18.0375	189.52
NA - 08	Lead (and its compounds)	No	Enters the facility (Use)	352.11 kg	587.93 kg	2015	-235.82	-40.11
NA - 08	Lead (and its compounds)	No	Creation	0 kg	0 kg	2015	0	
NA - 08	Lead (and its compounds)	No	Contained in Product	104.67 kg	577.07 kg	2015	-472.40	-81.86
7664-93-9	Sulphuric acid	No	Enters the facility (Use)	21.990 tonnes	23.229 tonnes	2015	-1.239	-5.33
7664-93-9	Sulphuric acid	No	Creation	0 tonnes	0 tonnes	2013	0	
7664-93-9	Sulphuric acid	No	Contained in Product	0 tonnes	0 tonnes	2015	0	

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 06	Copper (and its compounds)	Increase in production levels	
NA - 08	Lead (and its compounds)	Decrease in production levels	
7664-93-9	Sulphuric acid	Decrease in production levels	

Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Total Releases to Air	0.009 tonnes	0 tonnes	2010	0.009	100
NA - 06	Copper (and its compounds)	No	Total Releases to Water	0.375 tonnes	0 tonnes	2012	0.375	100
NA - 06	Copper (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Total Releases to All Media	0 tonnes				
NA - 08	Lead (and its compounds)	No	Total Releases to Air	1.050 kg	0.123 kg	2015	0.927	753.66
NA - 08	Lead (and its compounds)	No	Total Releases to Water	0 kg	0 kg	2015	0	
NA - 08	Lead (and its compounds)	No	Total Releases to Land	0 kg	0 kg	2015	0	
NA - 08	Lead (and its compounds)	No	Total Releases to All Media	0 kg				
7664-93-9	Sulphuric acid	No	Total Releases to Air	0.0001 tonnes	0 tonnes	2015	0.0001	100
7664-93-9	Sulphuric acid	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
7664-93-9	Sulphuric acid	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
7664-93-9	Sulphuric acid	No	Total Releases to All Media	0 tonnes				

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 06	Copper (and its compounds)	Increase in production levels	
NA - 08	Lead (and its compounds)	Increase in production levels	
7664-93-9	Sulphuric acid	No reasons - quantities approximately the same	

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

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
NA - 06	Copper (and its compounds)	No	Total Off-site Disposals	0 tonnes	0 tonnes	2015	0	
NA - 06	Copper (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	1.266 tonnes	0.047 tonnes	2015	1.219	2593.62
NA - 06	Copper (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
7664-93-9	Sulphuric acid	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
7664-93-9	Sulphuric acid	No	Total Off-site Disposals	0 tonnes	0 tonnes	2011	0	
7664-93-9	Sulphuric acid	No	Total Off-site transfer for treatment Prior to Final Disposal	4.653 tonnes	5.633 tonnes	2012	-0.980	-17.40
7664-93-9	Sulphuric acid	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
7664-93-9	Sulphuric acid	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 06	Copper (and its compounds)	Increase in production levels	
7664-93-9	Sulphuric acid	Decrease in production levels	

Comparison Report - Transfers off-site for Recycling

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Total off-site Transfers for Recycling	15.46 tonnes	1.854 tonnes	2015	13.606	733.87
NA - 08	Lead (and its compounds)	No	Total off-site Transfers for Recycling	246.39 kg	8.87 kg	2011	237.52	2677.79

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 06	Copper (and its compounds)	Increase in production levels	

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 08	Lead (and its compounds)	Abnormal incident occurred at facility in the current reporting year	

Pollution Prevention

Does the facility have a documented pollution prevention plan?

No

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

No

Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
NA - 06	Copper (and its compounds)	An objective of the plan is to reduce the use of copper by investigating and implementing new programs and practices
7664-93-9	Sulphuric acid	An objective of the plan is to intend to reduce the use of copper by investigating and implementing new programs and practices.

Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 06	Copper (and its compounds)	No quantity target	No timeline target	
7664-93-9	Sulphuric acid	No quantity target	No timeline target	

Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 06	Copper (and its compounds)	No quantity target	No timeline target	Substance not created
7664-93-9	Sulphuric acid	No quantity target	No timeline target	

Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
NA - 06	Copper (and its compounds)	No		
7664-93-9	Sulphuric acid	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - 06	Copper (and its compounds)	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
7664-93-9	Sulphuric acid	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
7664-93-9	Sulphuric acid	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
7664-93-9	Sulphuric acid	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
7664-93-9	Sulphuric acid	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
7664-93-9	Sulphuric acid	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
7664-93-9	Sulphuric acid	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
7664-93-9	Sulphuric acid	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
7664-93-9	Sulphuric acid	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
7664-93-9	Sulphuric acid	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	

Progress on TRA Plan - Amendments

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
NA - 06	Copper (and its compounds)	No		
7664-93-9	Sulphuric acid	No		

Report Submission and Electronic Certification

NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

ITL (Integrated Technology Ltd).

Certifying Official (or authorized delegate)

Papas George

Report Submitted by

Papas George

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

ON MOE TRA - Electronic Certification Statement

Annual Report Certification Statement

As of 15/05/2017, I, Papas George, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

TRA Substance List

CAS RN

Substance Name

NA - 06

Copper (and its compounds)

NA - 08

Lead (and its compounds)

7664-93-9

Sulphuric acid

Company Name

ITL (Integrated Technology Ltd).

Highest Ranking Employee

Papas George

Report Submitted by

Papas George

Website address

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2016	15/05/2017	ITL CIRCUITS	Ontario	Markham	NPRI,ON MOE TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

Version: 3.13.0



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