



***Toxic Reduction Plan Summaries
2013***

Nitric Acid TSRP Public Report

Objective:	<p>Process improvements, and plan developments in past years have reduced nitric acid usage at our facility. There is no option available at this time to further reduce nitric acid usage.</p> <p>We plan to continue to monitor for new/alternate technologies that are technically and economically feasible that will further reduce the usage of nitric acid at our facility.</p>
Target:	<p>We plan to continue to monitor for new/alternate technologies that are technically and economically feasible that will further reduce the usage of Nitric Acid at our facility.</p>

Description of the Toxic Substances Found at Kuntz Electroplating Inc

There are **five (5) toxic substances** that require the development of a toxic substance reduction plan in 2012 based on the criteria set out in the Toxic Reduction Act, 2009 and Ontario Regulation 455/09; and one (1) substance in 2013.

These substances are:

- **Hexavalent Chromium (and its compound)** **CAS #: NA-19**
- **Hydrochloric Acid** **CAS #: 7647-01-0**
- **Nickel (and its Compounds)** **CAS #: NA - 11**
- **Sulphuric Acid** **CAS #: 7664-93-9**
- **Copper (and its Compounds)** **CAS #: NA-06**
- Nitric Acid **CAS #: 7697-37-2**

Facility Information:

Facility Name	Kuntz Electroplating Inc 851 Wilson Avenue Kitchener, ON N2C 1J1
NPRI ID:	000003111
Ontario Reg. 127/01 ID:	6761
Number of Employees	388
UTM Coordinates (NAD83)	17 T 545146m E, 4806822m N
NAICS 2 Code:	31-33 Manufacturing
NAICS 4 Code:	3328 – Coating, Engraving and Heat Treating Activities

Plan Contacts:

Public Contact	Robin Leach Manager of Environmental Services 519-893-7680
Highest Ranking Employee	John Hohmeier President and CEO 519-893-7680

Facility Wide Accounting Information

Facility Level Quantifications	
Form of Involvement	Amount of Substance (tonnes)
Enters the Facility (Use)	>100 to 1000
Created at the Facility	0.00
Contained In Product	0.00
Transformed/Destroyed (optional)	0.00
Released (air) from the Facility	0.36
Released (water) from the Facility	0.00
Released (land) from the Facility	0.00
Transferred (for recycling) from the Facility	337.02
Disposed of (off-site) by the Facility	106.89
Remained in Storage at the Facility	0.00

Changes in Methods/Combination of Methods/Incidents out of the Normal Course of Events:

- There has been no change in the method or combination of methods used to track and quantify the substance during the previous calendar year; nor has there been a significant process change.
- There has been no incident of the normal course of events during the previous calendar year.
- This is the first year creating this Toxic Substance Reduction Plan.

Comparison of Results

Comparison of Results to Previous Reporting Period expressed in Quantity and %						
Description	Quantity (tonnes)	Last Reported Quantity (tonnes)	Reporting Period of Last Reported Quantity	Change (tonnes)	% Change	Reason for Change
Enters the Facility (Use)	>100 to 1000	0.00	-	0.00	0.00	NA
Creation	0.00	0.00	-	0.00	0.00	NA
Contained In Product	0.00	0.00	-	0.00	0.00	NA
Releases to Air	0.36	0.36	-	0.00	0.00	NA
Releases to Water	0.00	0.00	-	0.00	0.00	NA
Releases to Land	0.00	0.00	-	0.00	0.00	NA
Total On Site Disposals	0.00	0.00	-	0.00	0.00	NA
Total Off Site Disposals	106.89	0.00	-	0.00	0.00	NA
Total Off Site Transfer for Tx Prior to Final Disposal	0.00	0.00	-	0.00	0.00	NA
Total Off Site Transfer for Recycling	337.02	0.00	-	0.00	0.00	NA

Timeline for Implementation of Options and Assessment and Effectiveness of Implementation

Description and Timetable for Implementation of Options		Assessment & Effectiveness of Options
Steps	Estimated Timelines	
List Additional Options Not Included in Plan here:	NA	NA

Estimate of Reductions

Estimate of Reduction as by Implementation of Options		
Type	Estimated Reductions in Tonnes (percent)	Anticipated Date(s) for Achieving Reductions
Use	0.00 tonnes (0%)	Not applicable
Creation	0.00 tonnes (0%)	Not applicable
Release to Air	0.00 tonnes (0%)	Not applicable
Release to Water	0.00 tonnes (0%)	Not applicable
Release to land	0.00 tonnes (0%)	Not applicable
Disposal Off Site	0.00 tonnes (0%)	Not applicable
Transfer Off Site for Recycling	0.00 tonnes (0%)	Not applicable
Contained in Product	0.00 tonnes (0%)	Not applicable

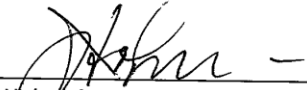
Summary of Amendments Made to the Plant during the Reporting Year:

There have been no changes made the TSRP for Nitric Acid during the reporting year.

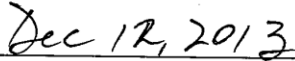
Certification Statements

Plan Certification for Nitric Acid:

As of December 12, 2013, I, John Hohmeier, certify that I have read the toxic substance reduction plan for Nitric Acid and I am familiar with its contents and to my knowledge the plan is factually accurate and complies with the Toxic Reduction Act, 2009 and Ontario Regulation 455/09.



John Hohmeier
President and CEO, KEI



Date