



**Toxics Substance Reduction Plan Summaries
For
Hydrochloric Acid (CAS # 7467-01-0)
Lead (CAS # NA – 08)
Manganese (CAS # NA – 09)
Zinc (CAS # NA – 14)**

**ArcelorMittal Hamilton East
690 Strathearne Avenue North
Hamilton, Ontario
L8H 7N8**

Prepared for:
Matthew Ogus

December 13, 2012
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EXECUTIVE SUMMARY

ArcelorMittal Hamilton East operates a wire processing facility at 690 Strathearne Avenue North in Hamilton. The facility specializes in the manufacture of pre-stressed wire products for the North American automotive and construction industries. The facility is comprised of pickling lines, and oil tempering lines, along with several annealing and tempering furnaces. Raw Materials in the form of carbon steel coils, lead ingots, and pickling and coating chemicals are received via transport truck. They are then stored internally, and transferred to their point of use.

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1.0 BASIC FACILITY INFORMATION

Substance Information	
Name	Hydrochloric Acid
CAS #	7647-01-0
Name	Lead (and its Compounds)
CAS #	NA - 08
Name	Manganese (and its Compounds)
CAS #	NA – 09
Name	Zinc (and its Compounds)
CAS #	NA - 14
Facility Information	
Company Name	ArcelorMittal Hamilton East
Facility Address	690 Strathearne Avenue North, Hamilton
Site Coordinates (main entrance of site)	17 T 598177.90 m E 4790574.58 m N elev 74.98m
NPRI ID	4045
MOE ID	ON 0009512
Number of Full-Time Employees in 2011	140
2-Digit NAICS Code	31 -33 Manufacturing
4-Digit NAICS Code	3312 - Steel Product Manufacturing from Purchased Steel
6-Digit NAICS Code	331222 – Steel Wire Drawing

Parent Company Information		
Company Name	ArcelorMittal Inc.	
Company Address	3900 Route Des Acieries Contrecoeur, QC J0L 1C0	
Percent Ownership by Parent Company	100%	
Facility Contact Information		
Public Contact	Matthew Ogus Manager, Environment & Continuous Improvement Phone: 905-528-9473 Fax # 905 522-7044	Matthew.Ogus@arcelormittal.com Same as facility

2.0 STATEMENT OF INTENT

ArcelorMittal Hamilton East, a major steel wire producer in Ontario, commits that the environment and sustainable development are an integral part of its values, and will:

- Comply with all federal, provincial, and municipal environmental laws and regulations and act in accordance with their requirements.
- Implement an Environmental Management System in our facility providing objectives and targets to continually improve our environmental performance and reduce the impact on water and landfill pollution
- Promote environmental responsibility to our employees, suppliers, and contractors, sharing information on sound environmental management practices and providing relevant training
- Develop, improve and apply low impact environmental production methods and practices
- Perform regular monitoring of our environmental aspects and communicate the results to all levels of the organization, the authorities and stakeholders.
- Steel is the material of choice for environmental protection; not only is it environmentally friendly but it also outperforms other materials because it is readily recycled.
- ArcelorMittal Hamilton East is proud to offer quality products while respecting the environment in a way that meets the needs of our communities and future generations.
- Our environmental policy is documented as part of the Environmental Management System. It is implemented, maintained and communicated to all associates, sub-contractors and it is also available to the public.

With reference to the Ontario Toxics Reduction Act, the use of hydrochloric acid, manganese, lead, and zinc are integral to the products that ArcelorMittal Hamilton East manufactures. There are no plans to reduce the use of these substances, however, ArcelorMittal Hamilton East is committed to continuous improvement and will continue to look for new opportunities and emerging technologies which will further optimize the use of these substances at the facility. The reduction objectives are outlined in Section 4 of this Plan.

3.0 SUBSTANCES REQUIRING PLANS

The following substance requires a plan - hydrochloric acid, manganese, lead, and zinc – based on 2011 Toxics Reduction Act accounting information.

4.0 OBJECTIVES OF THE PLAN & ANY TARGETS

ArcelorMittal Hamilton East prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. We will strive to optimize the use of Hydrochloric Acid, Manganese, Lead, and Zinc at the facility. No options have been identified, and as part of the continuous improvement practices at the facility, technical advances will be monitored for new opportunities to reduce the use of Hydrochloric Acid, Manganese, Lead, and Zinc at the facility.

5.0 OPTIONS TO BE IMPLEMENTED (OR STATEMENT THAT NONE ARE TO BE IMPLEMENTED)

ArcelorMittal Hamilton East's continuous improvement program has been successful at improving chemical efficiencies in both the chemicals used in the pickling and coatings lines, as well as the lead used in the oil temper lines. At this time, there are no new options to be implemented as the facility has taken a progress approach to implemented process improvements through the years. The facility is in the process of conducting a technical review of the current wastewater treatment system. If options are identified in this review that would reduce the use of any of the reportable substances, the plan and any objectives will be commented upon in subsequent annual reports.

6.0 CONTENTS OF THIS PLAN SUMMARY REFLECTS PLAN

This Plan Summary accurately reflects the Toxic Substance Reduction Plans dated December 13, 2012, prepared for the substances listed in Section 1.0 of this Summary.

8.0 CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 19, 2012, I, Al Lindholm, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Hydrochloric Acid, Manganese, Lead, and Zinc



Al Lindholm
Plant Manager
ArcelorMittal Hamilton East

8.0 CERTIFICATION BY LICENSED PLANNER

As of December 13, 2012, I, Robin Brown certify that I am familiar with the processes at ArcelorMittal Hamilton East that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Hydrochloric Acid, Manganese, Lead, and Zinc [December 13, 2012]

A handwritten signature in black ink, appearing to be 'RB', with a horizontal line extending to the right from the end of the signature.

Robin Brown, TSRP #0018
Operations Manager
Pinchin Environmental Ltd.
rbrown@pinchin.com