

Environmental

2012 Report to the Community



Including the 2011 Performance Results

A Letter from the Chair...



Jim Stirling

I was very pleased to become chair of the Board of Directors for the Hamilton Industrial Environmental Association (HIEA) again

in March 2012. As General Manager, Environment for ArcelorMittal Dofasco, I have been involved with HIEA since 2007, and have been able to see the positive impact our members have made on our community.

Founded in 1995 and incorporated in 1998 as a non-profit association of local private sector industries, **HIEA's mandate is "to improve the local environment – air, land and water – through joint and individual activities, and by partnering with the community to enhance future understanding of environmental issues and help establish priorities for action."**

As a result of our ongoing dialogue, HIEA member companies continue to demonstrate a strong environmental commitment.

Taking action both within their companies and the community, HIEA and its members have received recognition and awards for their environmental work within the Hamilton Community.

HIEA continues to work closely and develop strong networks with our stakeholders throughout the community. Those include our industrial and residential neighbours, non-governmental environmental organizations, and representatives from the City of Hamilton and the Ontario Ministry of the Environment.

HIEA's Community Advisory Panel (CAP) further strengthens the effectiveness of the association by providing an opportunity for ongoing dialogue between industry and the community. One member described CAP as *"a place where community and industry come together to share ideas and address concerns. We strive together to improve the quality of life in Hamilton"*.

In 2013, HIEA CAP has 4 scheduled meetings, bringing together representatives from local neighbourhood associations,

community advocacy groups and other caring citizens with HIEA member company representatives to exchange information. From time-to-time, additional HIEA CAP meetings may be scheduled when specific issues arise at member companies that warrant additional community consultation. Through both industry and community presentations and ongoing

Continued on page 2

Also in this issue...

- page 2* Community Advisory Panel (CAP)
- page 3* Focus on our Members
- page 3* **HIEA's Annual Meeting**
- page 4 & 5* Supporting Local Community Programs
- page 5* **HIEA's Scholarship Program**
- pages 6 - 10* Environmental Survey Results
- page 12* List of Members



P.O. Box 35545
Hamilton, Ontario L8H 7S6
905-561-HIEA (4432)
www.hiea.org
hiea_communications@bellnet.ca

HIEA Mandate

“to improve the local environment – air, land and water – through joint and individual activities, and by partnering with the community to enhance future understanding of environmental issues and help establish priorities for action.”

A Letter from the Chair... *continued from pg. 1*

dialogue, CAP helps to set the **directions and priorities for HIEA’s activities, and individual member companies’ programs.**

Every year, HIEA reports the aggregated environmental performance of its member companies in such important areas as air emissions, water discharges, recycling and waste management, and environmental spending and stewardship. Using 1997 as the baseline year to evaluate environmental trends, the 2011 Environmental Report (included in this newsletter) provides evidence of the continued success that HIEA member companies have achieved in improving the environment in the Hamilton community.

The year 2012 proved to be both a busy and successful one. HIEA member companies continued their active participation in a number of local environmental

initiatives, including sponsorship and interactive educational displays at the Earth Day EcoFestival and sponsorship for several outdoor environmental education programs that enabled participation for elementary school children in the city. HIEA was again a proud sponsor of the 2012 Upwind Downwind Conference: **“Unlikely Partners”**.

As a neighbour to industry, your **input is integral to HIEA’s** continued success and we welcome your involvement. For more information about how to get involved, attend CAP meetings and other current initiatives, please visit www.hiea.org or contact us at 905-561-HIEA or hiea_communications@bellnet.ca

Jim Stirling
General Manager, Environment
ArcelorMittal Dofasco

Community Advisory Panel (CAP)

CAP participants are local neighbourhood representatives and environmental advocates who are **dedicated to improving Hamilton’s** environment through their volunteer efforts. Established in 1997, the Panel acts as a link between industry, neighbourhood groups and individuals, and local environmental community-based initiatives.

Regular meetings allow CAP participants and representatives of the HIEA member companies to exchange information and discuss issues of greatest concern to the community. Through ongoing discussion, CAP helps to set the **directions and priorities for HIEA’s**

activities and for individual member-**companies’ programs.**

CAP MANDATE

To identify environmental concerns and provide support to the Hamilton Industrial Environmental Association in their pursuit of a cleaner and healthier environment for the residents of the City of Hamilton.

For more information please check our website at www.hiea.org. If you would like to become involved or attend a meeting contact us at hiea_communications@bellnet.ca or by calling HIEA at 905-561-4432.



Focus on our Members...

ARCELORMITTAL DOFASCO CELEBRATES ITS 100TH ANNIVERSARY

In 1912, Dominion Steel Castings Company Limited was founded and poured its first heat of steel, marking the beginning of 100 years of steelmaking in Hamilton.

Through a century's commitment to continuous improvement, that small foundry has grown into ArcelorMittal Dofasco, an integral part of the global ArcelorMittal enterprise.

ArcelorMittal Dofasco's operations grew incrementally over those 100 years. On its current 800-acre site, Primary facilities (Coke Plants, Blast Furnaces and Steelmaking Shops) occupy the Bayfront lands

north of Burlington Street, while Finishing (Cold Rolling Mills, Galvanizing Lines and Tinsplating Lines) and Shipping facilities span across city blocks on the south side

...continued on page 11



RUETGERS CANADA COMMISSIONS PIPE-BRIDGE

Ruetgers Canada is a coal tar distilling operation located at 725 Strathearne Ave., North, Hamilton and is a founding member of HIEA. In August 2012 Ruetgers Canada commissioned a new pipebridge over Strathearne Ave. connecting the plant to PIER 23 dock. This pipebridge is a key **component of the site's Facility Upgrade** project and allows direct offloading from vessels to onsite storage tanks. The use of the

pipebridge has had a positive impact on the local environment from a traffic viewpoint. During the 2010/2011 shipping seasons each marine vessel offloading involved the use of a fleet of trucks around-the-clock and six to seven days to complete. Now a vessel offloading **takes one to two days and doesn't** require any trucks. The pipebridge was a successful collaborative effort between Ruetgers, the

...continued on page 11

WW TREATMENT PLANT COMMISSIONED AT U. S. STEEL CANADA - HAMILTON WORKS

U. S. Steel Canada - Hamilton Works, commissioned its new waste water treatment plant in May, 2012. The plant is designed to reduce the concentration of

substances in water flowing from the Coke Ovens and By-Product Plants before discharging to the **City of Hamilton's waste water**

...continued on page 11

Plan to Attend **HIEA's** Annual Meeting

Wednesday March 27, 2012
Waterfront Conference Centre
555 Bay Street North

Guest speaker

John Helka, C.E.T.
Senior Project Manager
City of Hamilton
Public Works Department
Water & Wastewater
Engineering Section
discussing:

Hamilton's
Windermere Basin Project

Please join representatives from HIEA member companies in congratulating our 2012 grant and scholarship recipients for their role in improving the environment and quality of life in Hamilton.

5:30 p.m.

Registration and reception

6:00 p.m.

Presentations and Displays



Everyone is welcome. For more information please contact us at: hiea_communications@bellnet.ca

HIEA continues to support local community programs...

"HIEA has developed strong relationships with many community groups and we are proud to lend our support to these worthwhile projects." Jim Stirling, Chair of the HIEA Board of Directors

Through direct financial sponsorship and the volunteer efforts of its member companies, HIEA supported numerous initiatives in 2012 including:

- Bay Area Restoration Council
- **Children's Water Festival**
- Earth Day Eco-Festival
- Hamilton Conservation Authority
- Hamilton Naturalist Club
- Outdoor Education Program

HIEA continues to provide sponsorship and support to environmental and education programs within the Hamilton community.

New applications will be considered each year. To ensure consideration, submissions should be made by September 30th; funding decisions will be released by January 31.

For information about eligibility for funding, our application forms and the process please check our website www.hiea.org for more details.

Demonstrating HIEA's commitment to the community...

HIEA supports numerous community projects through financial sponsorship and the volunteer efforts of its member companies. HIEA contributes

an average of \$50,000 and countless volunteer hours each year to improve the local environment.

Bay Area Restoration Council—Yellow Fish Road Program

BARC's Yellow Fish Road Program is part of a national environmental education initiative that teaches students and the public about the



impacts of pollution entering urban storm drains. The water quality of Hamilton Harbour is important for the many kinds of wildlife that call the bay home and dumping hazardous waste into sewer drains is a significant source of water pollution.

By painting these very visible yellow fish symbols beside storm drains and distributing fish-shaped brochures to nearby households, volunteers remind people to properly use and safely dispose of household chemicals.

City of Hamilton—Children's Water Festival

The Children's Water Festival provides 30 hands-on educational activities to approximately 2,700 grade 4 students over the three days of the festival. Activities are designed to ensure that students learn to respect water and the environment while having fun.

Focusing on water conservation, water science & technology, water awareness and water protection, these activities support the Ontario



Curriculum including the 2007 Ontario Science and Technology curriculum.

Hamilton Waterfront Trust—Fishing Derby



Approximately 5,000 people participate in the Hamilton Fishing Derby which offers a morning full of fishing and educational programs. The free events **help to enrich people's experiences at the Harbour** and encourage learning about the wildlife.

Every year, the Hamilton Waterfront Trust gives away 1,000 fishing rods to youth. Prizes and trophies are given to those who catch the longest fish in 3 age classes and 5 different fish categories.

Hamilton Conservation Authority—Junior Conservationists

This project involved schoolchildren aged 11 to 13 participating in habitat restoration projects for a number of existing species found in the Dundas Valley. These projects included: Construction of Nest Boxes for Bluebirds, Wood Ducks & Screech Owls; Creation of a Wild Turkey Feeding Station and Creation of an Animal Tracking Pit for the Bruce Duncan Wildlife Teaching Garden.

Students learned about the sensitive habitat required for nesting and feeding wildlife and gained the skills



necessary to create this habitat themselves. They also learned about the biodiversity that exists within their community by investigating the Animal Tracking Pit.

Clean Air Hamilton—2012 Upwind Downwind Conference "Unlikely Partners"

The Upwind/Downwind Conference, a two-day event, highlights the latest in air quality research, particularly as it applies to the human health impacts of air pollution, and strategies and activities to improve air quality on local, regional and national scales.

Attendees include decision makers and staff at the federal, provincial and municipal levels, industry, health practitioners, planners, academics, university, college and high school students, community groups and non-governmental agencies.

Earth Day Hamilton—Burlington—EcoFestival



Earth Day Hamilton-Burlington Ecofestival offers various nature

experiences and hands-on learning in an amazing setting to almost 3,000 local middle school students. This free multi-day event is designed to educate and empower participants to make environmental change.

The workshops provide education, environmental awareness, tools for change, and inspiration which will translate into action and improve the local environment.

Hamilton Wentworth District School Board—Outdoor Education Program

The Outdoor Education Program delivers an on-site outdoor education program at the Dave Brown Outdoor Education Centre linking curriculum to classroom learning for students in Kindergarten to Grade 3 from schools located in the lower core city. Through **HIEA's support, HWDSB is able to** increase availability of authentic local outdoor education experiences and increase understanding of basic

concepts of sustainability for a variety of multi-cultural students.



HIEA's Scholarship Programs

*Preparing today's
students for tomorrow's
world...*

HIEA initially established its' bursary fund at Mohawk College in 2006 with matching funds from the Ontario Trust for Student Support (OTSS) program. In 2009 HIEA provided additional money and doubled the fund.

These funds provide financial support to students who are currently enrolled in the Energy Systems Technology – Clean & Renewable Energy, Chemical Engineering Technology – Environment or the Environmental Technician with or without Co-Op Internship programs at Mohawk College of Applied Arts and Technology. Each year the interest earned within the fund is to be distributed to students who meet the listed criteria. HIEA is pleased to provide support for Mohawk College students. Please check our website www.hiea.org for information about some of our winners.

For more information and/or to apply for this bursary please check the Mohawk College website:
www.mohawkcollege.ca
or contact

Student Awards
The Square - Student Services
Room C102
905-575-2066

2011 Environmental Performance of HIEA member companies shows continued improvement...

...in such key parameters as air emissions, water discharges, recycling and waste management, and environmental spending and stewardship. Aggregate data is reported for the last 5 years and is compared to the 1997 baseline year.

This continuing trend of improvement is a concrete example of the efforts of HIEA member companies to help improve the environment in the Hamilton community.

Some of the highlights of the association's performance include:

Air Emissions

- 33% reduction in Greenhouse Gases
- 47% reduction in Volatile Organic Compounds
- 26% reduction in Nitrogen Oxides
- 70% reduction in Particulate Matter
- 75% reduction in Polycyclic Aromatic Hydrocarbons

Water Discharges

- 32% reduction in Bay water consumption
- 52% reduction in City water consumption
- 84% reduction in Total Metals discharged
- 89% reduction in Total Suspended Solids discharged
- 79% reduction in Oil and Grease discharged

Recycling & Waste Management

- 82% reduction in subject waste sent for treatment or destruction (not landfilled)
- 41% reduction in commercial and domestic waste sent to landfill
- 90% reduction in subject waste sent to landfill

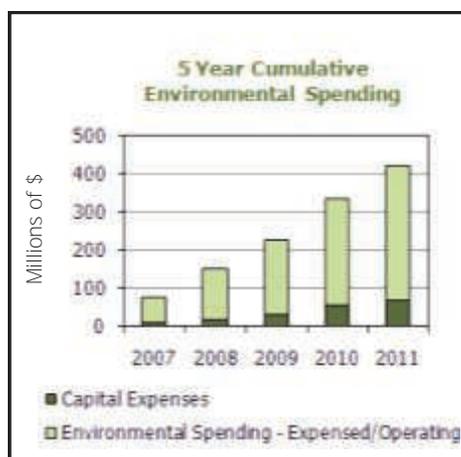
Stewardship and Spending

As part of their commitment, HIEA member companies maintain active involvement with a number of other

environmental organizations and committees. All member companies continue to implement comprehensive voluntary environmental improvement programs and adhere to various environmental management standards. Four member companies are registered to the ISO 14001 International Environmental Management Standard and one member company has adopted Responsible Care as the basis for its environmental management system.

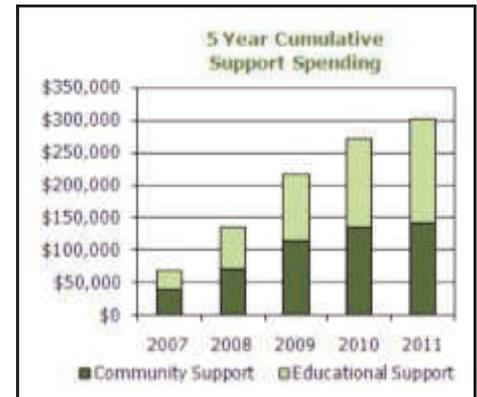
In 2011 HIEA companies employed over 7,000 people, occupied approximately 740 hectares of land and paid almost \$27 million in municipal taxes.

HIEA member companies continue to make major financial contributions to the economic well being and environmental protection of Hamilton. Collectively, HIEA member companies have invested approximately \$423 million on environmental capital and operating expenses in the last 5 years — an average \$14 million per year in environmental capital projects and approximately \$71 million per year on environmental operating expenses.



At the same time, HIEA has also invested approximately \$325,000 and many volunteer hours on community programs. In 2011 HIEA supported many local organizations and programs including the Bay Area Restoration Council, Hamilton

Children's Water Festival, Hamilton-Burlington Earth Day Eco-Festival, Hamilton Wentworth District School Board Outdoor Education Program, Hamilton Conservation Authority educational programs, Clean Air Hamilton - Upwind Downwind Conference and the Waterfront Trust Fishing Derby.



Looking forward, member companies continue to be committed to reducing their environmental footprint and protecting the air, water, and land by:

- Operating their facilities in a safe and responsible manner and in a way which does not adversely impact neighbouring communities;
- Using operational systems that monitor environmental performance and adherence to key performance metrics;
- Conserving and protecting the natural environment;
- Being responsive to community enquiries and concerns;
- Working in partnership with residents and community associations to promote environmental awareness;
- Communicating their environmental performance and improvements in a transparent and open manner.

Air Emissions

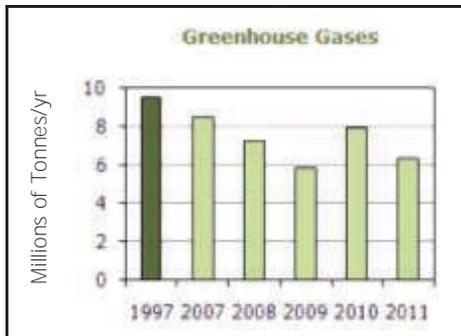
Operating levels at HIEA member companies continue to recover from the historically low levels experienced in 2009 which were responsible for a portion of the decrease in emissions in 2008 and 2009.

Greenhouse Gases (GHG)

Greenhouse gases emitted by HIEA member companies are primarily carbon dioxide, with small quantities of methane and nitrous oxide.

GHG emissions for 2011 were 33% lower than 1997 levels and were 26% lower than 2007 levels.

GHG emission reductions are the result of energy conservation, increased waste energy recovery and increased process yields and efficiencies.

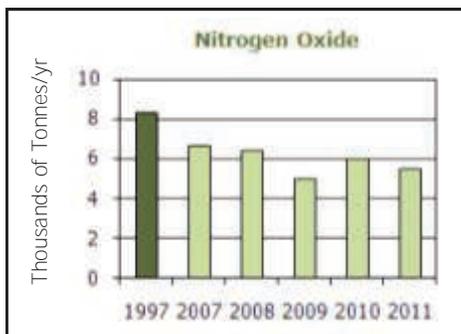


Nitrogen Oxides (NOx)

Nitrogen oxides are precursors to ground level ozone. The main source of NOx is the combustion of fuels.

HIEA member companies have reduced their NOx emissions by 26% since 1997. Since 2007 NOx emissions show a reducing trend.

Improvements have primarily been achieved by the installation of advanced combustion technology (low-NOx burners) and shutdown of obsolete equipment.

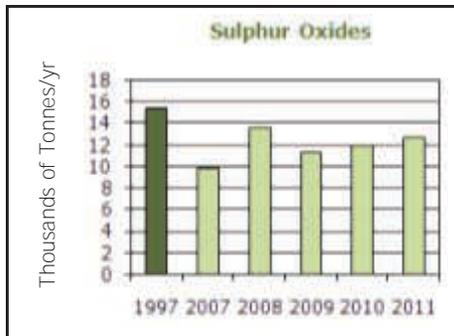


Sulphur Oxides (SOx)

Sulphur oxides are composed mainly of sulphur dioxide (SO₂).

Although SOx emissions have fluctuated over the past five years and show an increasing trend, the total emissions remain 18% lower than 1997 levels.

Changes or slowdowns in production requiring different fuel sources results in higher sulphur oxides emissions. Several options are being implemented to reduce these emissions including switching to lower sulphur fuels and feedstocks and shutting down obsolete equipment.



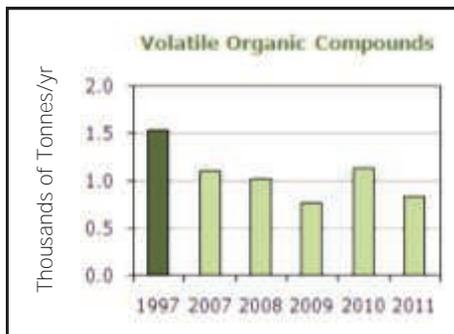
Volatile Organic Compounds (VOCs)

Volatile Organic Compounds include a variety of organic compounds that react with nitrogen oxides and sunlight to form ground level ozone.

2011 VOC emissions are 25% lower than those reported in 2007. The total emissions levels are 47% lower than those recorded in 1997.

The reductions were achieved primarily by the installation of benzene emission controls at the coke oven by-products plants.

Extensive maintenance programs and facility modifications will result in further improvements.



Particulate Matter

Total Particulate includes particles smaller than 44 microns (PM₄₄) - the size limit of particles that can be suspended in air.

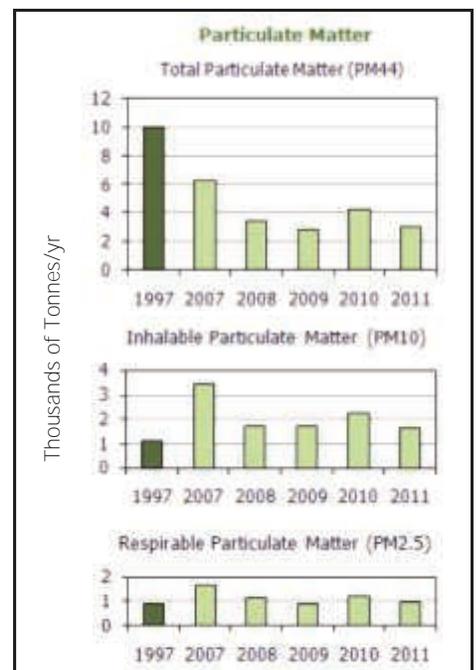
Inhalable Particulate includes particles smaller than 10 microns (PM₁₀) - the size of particles that can be inhaled.

Respirable Particulate includes particles smaller than 2.5 microns (PM_{2.5}) - the size of particles that can be inhaled deeply into the lungs.

Total Particulate Matter emissions have declined by 70% since 1997. Since 2007 Total Particulate Matter emissions show a reducing trend.

Since 2007 emissions have declined by 53% for PM₁₀ and 42% for PM_{2.5}. Since 2007 both PM₁₀ and PM_{2.5} emissions show a reducing trend. Improved testing methods and better information for PM₁₀ and PM_{2.5} resulted in higher reported numbers in 2007 versus 1997.

Particulate emissions control is a priority for HIEA member companies. Numerous programs are in place to reduce particulate emissions, including point source controls, improved operating practices, paving of roads and yards, greenbelting, and shutdown of obsolete equipment. HIEA has also contributed almost \$134,000 to local tree planting programs since 1999 to assist in managing particulate emissions.

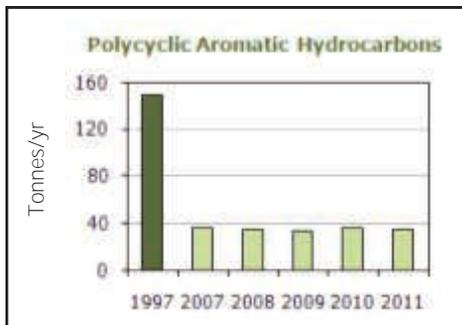


Polycyclic Aromatic Hydrocarbons (PAH)

Polycyclic Aromatic Hydrocarbons are a group of chemicals that are formed during incomplete burning of coal, oil, gas, garbage or other organic substances. PAHs are usually found as a mixture containing two or more of these compounds.

PAH emissions have been reduced by 75% since 1997. Since 2007 PAH emission levels have consistently remained at the same level.

Reductions in emissions have been achieved primarily by improving coke oven maintenance.

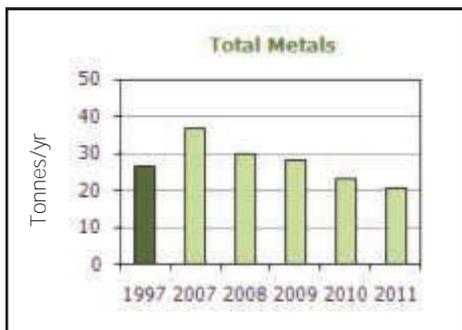


Total Metals (TM)

Total Metals include copper, lead, zinc, cadmium, chromium, nickel, mercury, manganese and vanadium.

Total Metals emissions are 22% lower than 1997. Total Metals emissions have been reduced by 44% since 2007.

Companies continue to implement particulate emission control plans which help control metal emissions.



Water Discharges

Some HIEA members discharge treated water to the municipal sanitary

sewer system while others discharge treated water to Hamilton Harbour. Some sites also discharge untreated rain water into the system. Water entering the sewer system is directed to a Hamilton Wastewater Treatment Plant where it undergoes further treatment before being discharged to the Harbour.

The data provided below represents the total water discharges of all member companies to both the municipal sanitary sewer system and the harbour.

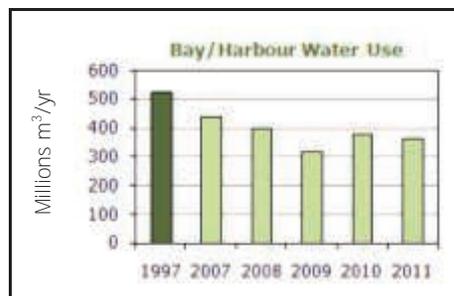
Bay/Harbour Water Use

Bay/Harbour water use has decreased by 32% since 1997.

Bay/Harbour water use over the past five years shows a declining trend apart from the effect of unusually low operating levels in 2009.

A large portion of this water is used for non-contact cooling. This water circulates within equipment without contacting a process and does not pick up contaminants.

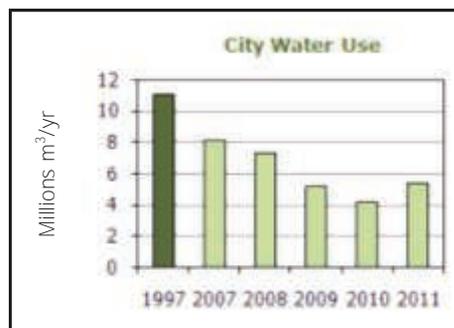
Bay/Harbour water is also used for dust control.



City Water Use

HIEA companies have reduced their city water use by 52% since 1997.

City water use over the past five years shows a declining trend.

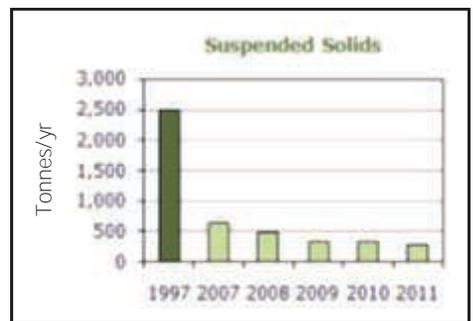


Total Suspended Solids

Total Suspended Solids discharges have been reduced by 89% since 1997, with 58% of these discharges going to a city wastewater treatment plant for further treatment.

Total Suspended Solids discharges over the past five years show a reducing trend.

Implementation of tight water recycle systems and shutdown of obsolete facilities contributed to the improvement. New water treatment capabilities added in 2011 and to be commissioned in 2012 by HIEA member companies will reduce these discharges significantly.



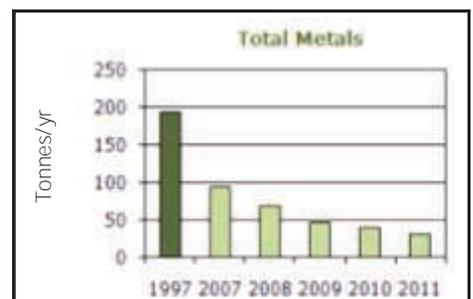
Total Metals

Total Metals include lead, zinc, cadmium, chromium, iron, nickel, mercury, manganese and vanadium.

Total Metals in water discharges from HIEA companies decreased 84% since 1997 with 59% of these discharges going to a city wastewater treatment Plant for further treatment.

Total Metal discharges over the past five years show a reducing trend.

The implementation of tighter water recycle systems, and shutdown of obsolete facilities contributed to the improvement. Recent new water treatment capabilities at HIEA member companies will reduce these discharges significantly.



Water Discharges continued..

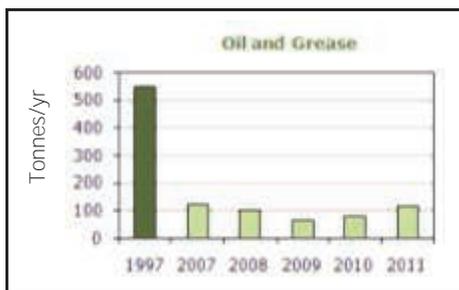
Oil and Grease

Oil and Grease in water discharges from HIEA companies decreased 79% since 1997.

77% of these discharges go to a city wastewater treatment plant for further treatment.

Oil and Grease discharges over the past five years show a reducing trend.

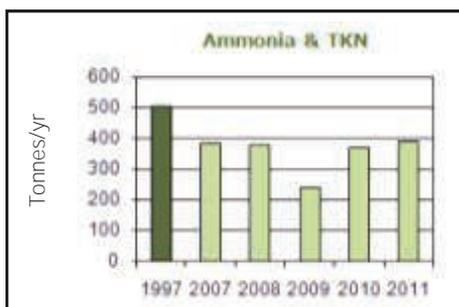
Implementation of tighter water recycle systems and diversion of some wastewater to sanitary sewer for additional treatment contributed to the improvement. Recent new water treatment capabilities at HIEA member companies will reduce these discharges significantly.



Ammonia and Kjeldhal Nitrogen

Ammonia is a parameter measured in industrial effluents to the harbour. Total Kjeldhal Nitrogen (TKN), measured for discharges to the sanitary sewer, includes ammonia as well as other compounds containing nitrogen such as nitrates and nitrites. Both are a measure of nitrogen discharge.

Discharges of ammonia and TKN by HIEA companies remain 23% lower than those reported in 1997 and have remained near these lower levels since 2007 (apart from the results in 2009 due to low operating levels).



92% of these discharges go to a city wastewater treatment plant for further treatment.

Implementation of tighter water recycling systems has reduced this discharge. Recent new water treatment capabilities at HIEA member companies will reduce these discharges significantly.

Recycling and Waste Management

Hamilton is an important recycling centre and HIEA companies are major participants.

HIEA member companies purchase by-products and waste from other companies to recycle or manufacture into other usable products. They also purchase products made of recycled materials. Member companies sell many by-products and wastes to other companies for recycling.

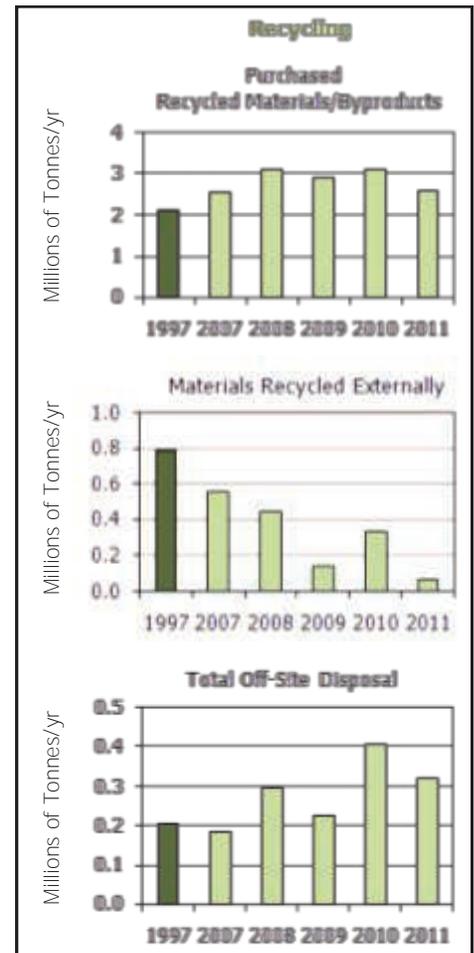
Recycling

HIEA companies purchased over 2.5 million tonnes of recycled materials and by-products in 2011, an increase of almost 22% over 1997 figures.

Materials sent to recycling include a wide variety of materials, from blast furnace slag to office paper, which HIEA companies send to other companies as valued products or raw materials for their processes. Reduced operations in 2009 and 2011 resulted in significant reductions in externally recycled quantities.

In 2011 HIEA member companies externally recycled 62,302 tonnes of material which is 92% lower than the 1997 baseline figures.

In 2011 HIEA member companies purchased or produced over 8 tonnes of recycled materials for every tonne of waste disposed off-site.



Commercial Waste

Commercial Waste originates in business establishments such as office buildings or stores, and excludes household and industrial waste.

Commercial waste sent to landfill has declined by 41% since 1997.

Commercial waste sent to landfill over the past five years shows a declining trend apart from the effect of reduced operating levels in 2009.

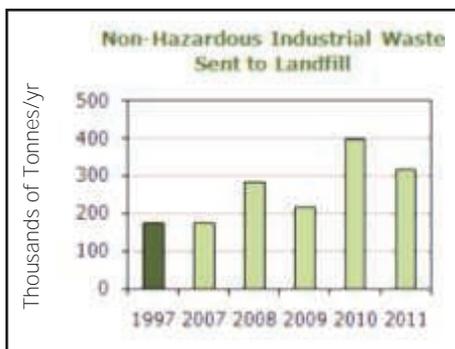
The reduction was achieved by **implementation of "3Rs" recycling programs** for paper, glass, cans, cardboard, plastic, etc., as well as continuously implementing new recycling opportunities.



Non-Hazardous Industrial Waste

In 2011, almost 97% of the non-recyclable waste disposed off-site was non-hazardous industrial waste.

Non-hazardous waste sent to landfill shows an increasing trend over the last five years as material generated in previous years has been removed from plant sites. The increase is also due, in part, to an increase in membership and a change in reporting.



Liquid Industrial and Hazardous Waste

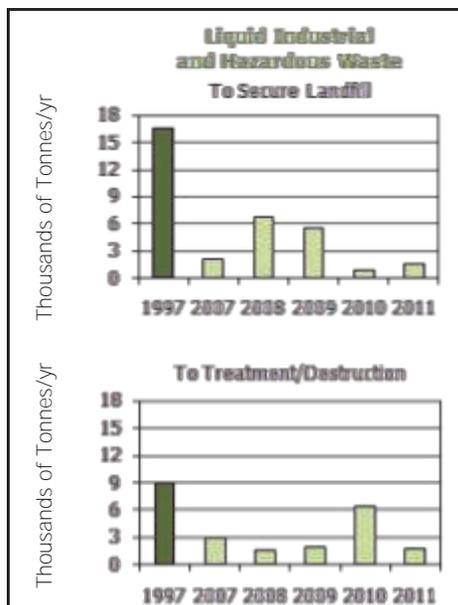
Liquid industrial and hazardous wastes are referred to as "subject wastes" by Ontario regulations.

Liquid industrial and hazardous wastes are landfilled, solidified, treated to render them non-hazardous, or destroyed.

HIEA companies recycling activities have contributed to a 90% reduction in landfilled liquid industrial and hazardous waste since 1997.

Liquid industrial and hazardous waste sent for treatment or destruction, and therefore not landfilled, is currently 82% lower than levels reported in 1997.

The increase shown in 2010 is due in part to a large one time disposal of material by some members. More material was sent for treatment or destruction in 2010 and less to landfill compared to earlier years.

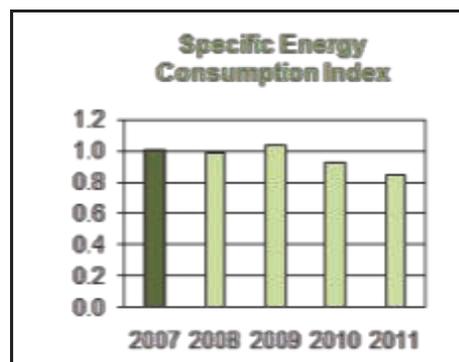


Energy Consumption

Specific Energy Consumption Index

Specific Energy Consumption is the amount of energy used to manufacture a unit (e.g. a tonne) of production. The Specific Energy Consumption Index compares Specific Energy Consumption to a base year, in this case 2007 (which is shown as an index of 1.00).

The Specific Energy Consumption Index for 2011 is 24% lower than that of the base year of 2007. Higher indices in 2008-09 are a reflection of the effect of reduced operating levels during the economic downturn in those years.



Facility	Business description
Air Liquide	Producer of industrial gases
ArcelorMittal Dofasco	Integrated steel mill producing a full range of flat rolled and coated steel products
Bitumar	Produce and blend paving and roofing asphalt
Bunge Canada	Oilseeds processor
Columbian Chemicals Canada ULC.	Carbon Black manufacturer
Lafarge Slag Ltd.	Processor of blast furnace slag
ArcelorMittal Hamilton East	Producer of steel wire products
Triple M Metal LP	Sourcing and sales of ferrous scrap
Sanimax	Transforms food and meat industry by-products into useful materials
U. S. Steel Canada (Hamilton)	Integrated steel mill producing a full range of flat rolled and coated steel products
Ruetgers Canada Inc.	Producer of coal tar pitch and distillates
Westway Terminals	Liquid bulk terminal

Focus on our Members...continued

ARCELORMITTAL DOFASCO'S

100TH ANNIVERSARY ...continued
of Burlington Street. The result is a tightly arranged facility that includes 850 buildings with 30 kilometers of roads and 16 kilometers of railroad tracks.

ArcelorMittal Dofasco's

commitment to environmental stewardship dates back to 1970 when President Frank H. Sherman launched a fervent and very public

stance on environmental management. The company established its Environment Department, adopted a formal Environment Policy, and launched a \$28 million dollar program to enhance pollution control systems.

In the last 10 years alone, ArcelorMittal Dofasco has invested more than \$100 million in capital projects that have generated significant environmental

performance improvements. Looking forward, major projects with environmental benefits are continually being launched to take advantage of new research and technologies.

ArcelorMittal Dofasco embarks on its second century of steelmaking from our home in Hamilton, celebrating our past achievements and with our sights firmly set on transforming tomorrow.

STRATHEARNE AVENUE

PIPEBRIDGE ...continued

Hamilton Port Authority and Westway Terminal & Feed Products Canada. It extends from PIER 23 across Strathearne Ave, along the north property line of Ruetgers to Hamilton Port Authority property located west of the Ruetgers site. The pipebridge supports marine transfer operations for Ruetgers and in future will provide a similar service for businesses that will operate on the Hamilton Port Authority land to the west of the Ruetgers site.



WW TREATMENT PLANT...continued

treatment plant. Concentrations of phenols, ammonia, fluoride, cyanide and polycyclic aromatic hydrocarbons (PAHs) have been dramatically reduced by up to 99.9%.

Discharges are now in compliance with the new requirements of the **City of Hamilton's Sanitary Sewer By-Law**.

We are HIEA...

... a non-profit association of local industries. HIEA provides an open forum for community members and local associations to discuss their environmental concerns. HIEA has a strong history of connecting with local neighbourhood associations and working with the community to fulfill HIEA's mandate:

"to improve the local environment – air, land and water – through joint and individual activities, and by partnering with the community to enhance future understanding of environmental issues and help establish priorities for action."

2012/2013 Board of Directors

Chair

Jim Stirling
General Manager - Environment
ArcelorMittal Dofasco

Vice Chair

Darcy Balak
Director of Operations - Hamilton
Sanimax

Technical Committee Chair

Lori Small
Health, Safety and Environment Manager
Birla Carbon

Treasurer

Roy Collins
Controller—Hamilton Works
U. S. Steel Canada

Communications Coordinator

Karen Logan

Directors

Jack Dugas
Operations Manager
Lafarge Canada Inc.

Robert Farr
Plant Manager
Bunge Canada

Gord Gilmet
Technical Manager
Ruetgers Canada Inc.

Michel Gingras
Regional Manager, Canadian Operations
Westway Terminals Canada Ltd.

Frank Harrison
Director—Environmental and Corporate Affairs
U. S. Steel Canada

Al Lindholm
Director of Operations
ArcelorMittal Hamilton East

Guy Belang er
Plant Manager
Bitumar (Hamilton) Inc.

Christine Pompeo
Manager
Air Liquide

Larry Rose
VP H. R. & Quality, Environment & Safety
Triple M Metal LP

Brian Young
General Manager
Birla Carbon

Member Companies

