

2013



Mines Accident
Prevention Association
of Manitoba
Annual Report

Safety is essential.
People are priority.

Message from the President, Mines Accident Prevention Association of Manitoba

I am pleased to present the 2013 MAPAM annual report.

The Manitoba mining industry triumphs through another record year in safety and emergency preparedness. Proud of our ability to sustain one of the highest risk industries with one of the lowest injury frequencies.

This does not come by luck or chance but rather comes by the hard work of each person that works in the mining industry approaching every risk everyday and every task with risk assessment, hazard identification and sound risk management practices.

The true champions of this accomplishment are those men and women that work safely every shift, with the spirit of continuous improvement as the primary driver.

Zero risk may not be achievable but they have proven zero harm definitely is.

Kirk Regular, President, MAPAM

Table of Contents

About Us

What we do

What we have done

Our members

Our relationships

Our staff & board members

Statistics

2013: a year of accomplishments

Where we are going

About us

The Mines Accident Prevention Association of Manitoba, MAMI's companion organization, was founded in 1962 to meet the increasing need for safety and consulting services to the rapidly expanding mining industry. MAPAM promotes and implements leading-edge accident prevention actions and programs, and assists in workers compensation management for its members.

MAPAM is wholly funded by its members who are assessed annually on the average number of workers for the twelve months preceding the assessment period.

For 52 years, MAPAM has been representing the interests of the mining industry and continues to provide value added services for its membership.

As leaders in the field of mining health and safety, we will work to continuously improve and implement leading edge accident prevention actions and programs while interfacing to positively impact legislation and regulations.

What we do

MAPAM's mandate was restated in 2000. Although the following core deliverables did not change, the level of sophistication of these deliverables did. The Association provides:

- Timely and quality service to Association members
- "State of the art" advice on accident prevention and risk mitigation
- Emergency planning, preparedness and response
- Safety and Risk Management Training
- Auditing
- Government Relations
 - Health and Safety Legislation
 - Workers Compensation
 - International Codes and Standards
- Local, national and international advice on safety and emergency response matters
- Compilation of Accident and Injury Statistics
- Presence on high profile Boards, Commissions and Committees
- Involvement in special projects
- Other activities to represent the MAPAM members and promote safety and health excellence in the mining industry.

What we have done

The achievements of MAPAM and its Board of Directors are significant, however they are only a small representation of the deliverables that the MAPAM organization provides for Manitoba's mining industry and the international mining community at large. Board members are passionate about achieving safety excellence and through their collective efforts have built a safety culture in Manitoba's mining industry that is second to none.

- Provided strategic direction to assist the Manitoba Mining Industry achieve a 0.43 LTA frequency rate in 2012 which is the lowest it had been in the 52 years of recording injury statistics. The 2013 LTA frequency rate is 0.51.
- Instrumental in reducing the number of fatalities in the mining sector to one in the last 13 years. This represents over 100 million exposure hours.
- Coordinated the establishment of emergency planning, preparedness and response protocols for the Manitoba mining industry which continues to be among the best in the world. The Manitoba model is often referenced by other companies and jurisdictions that are evaluating or establishing emergency preparedness and response plans. It is significant to note that this responsibility has quasi regulatory authority and is highly respected by both government and industry.
- Co-operated with the Manitoba Workers Compensation Board and Workplace Safety Division to identify and implement state-of-the-art, prevention and return to work strategies. These relationships have been integral to lower compensation assessment rates and establish reasonable and practical safety and health legislation.
- Shared "lessons learned" and safety and risk management information among all MAPAM member companies. This information is often derived from discussions held by mine operators, contractors and diamond driller safety groups.
- Produced an annual report each year that accurately captures exposure hours and injury statistics, the Association's activities dating back to 1962 and has maintained a record of board minutes dating back to MAPAM's inception.

Our members

- Alex MacIntyre & Associates Ltd.
- Boart Longyear
- Cementation Canada Inc.
- CaNickel Mining Ltd. (formerly Crowflight Minerals Ltd.)
- Cyr Drilling International Ltd.
- Dumas Contracting Ltd.
- Graymont Western Canada Inc.
- Hudbay
- J. S. Redpath Ltd.
- Major Drilling Group International Ltd.
- Mining Association of Manitoba Inc.
- Rodren Drilling Ltd.
- San Gold Corporation
- Stratum Group
- Tantalum Mining Corporation of Canada Ltd.
- Vale - Manitoba Operations

Our relationships

We continue to be involved in national and international matters and provide assistance to resolve safety related challenges. We work closely with:

- Workplace Safety North (Ontario)
- Natural Resources Canada (NRCAN - CANMET)
- Canadian Institute of Mining, Metallurgy & Petroleum (CIM)
- Canadian Association of Chief Inspectors of Mines (special advisor B. Simoneau)
- John T. Ryan Safety Awards
- Workers Compensation Board (appeal commissioner representative B. Simoneau)
- National Western Regional Mine Rescue Committee/Competition (NWRMRC) (chair B. Simoneau)
- International Mine Rescue Body (IMRB) (organizer B. Simoneau)
- Employers Task Force on Safety and Compensation (ETF)
- Manitoba Employer's Council (MEC)
- Workplace Safety and Health Division

Our staff and board members

MAPAM's Board of Directors is comprised of safety and risk management professionals from operating mines, mine contractors and diamond drilling sectors.

STAFF

Barrie Simoneau

Director of Risk Management
Mines Accident Prevention Association of
Manitoba/Mining Association of Manitoba Inc.

Ed Huebert

Executive Vice President & Secretary/
Treasurer
Mining Association of Manitoba Inc./Mines
Accident Prevention Association of Manitoba

Renaë Campbell

Director of Communications & Administration
Mining Association of Manitoba Inc./Mines
Accident Prevention Association of Manitoba

Cory Nickel

Director
Graymont Western Canada Incorporated

Denis G. Beaudoin

Director
Cementation Canada Incorporated

Derek Budge

Director
Redpath

Bill Krasnozou

Director
Boart Longyear

BOARD OF DIRECTORS

Kirk Regular

President
Vale - Manitoba Operations
Thompson

Ian J. Cooper

Director
Hudbay
Flin Flon and Snow Lake

Sharon Inkster

Director
Tantalum Mining Corporation of Canada
Limited

John Lockhart/George Mondoux

Director
San Gold Corporation

Gordon Cyr

Director
Cyr Drilling International Ltd

Roger Belair

Director
Dumas Contracting Ltd

Rod Cyr/Denine Rodrigues

Director
Rodren Drilling Ltd

Graham Ennis

Director
Major Drilling Group International Inc

James McDougall

Director
Alex MacIntyre & Associates

Statistics

Employment numbers in 2013 again decreased over the previous year from 4,218 to 3,984, representing a 5.5% reduction.

Consequently, exposure hours were reduced by 6% from 8,405,383 in 2012 to 7,899,009 in 2013.

There was a small increase in time loss injuries from 18 to 20.

Days of lost time increased 29% from 682 in 2012 to 882 in 2013.

The lost time frequency rate increased marginally from 0.43 in 2012 to 0.51.

Medical aid injuries saw an 8% improvement when they were reduced from 566 in 2012 to 521 in 2013.

The total number of injuries were reduced by 7% from 584 in 2012 to 541 in 2013.

The total injury frequency improved slightly from 13.9 in 2012 to 13.7 in 2013.

One minor mine rescue response occurred in 2013, but thanks to the professionalism of Vale's mine rescue personnel, the incident was managed in a competent manner.

For 2013, the average WCB cost to insure each exposure hour was \$0.92*.

Mining - \$0.84* Contracting - \$1.35* Diamond Drilling - \$1.30*

*Not all members provided information. The average cost per exposure hour only includes information received.

2013: a year of accomplishments

There were no fatalities in 2013. We continue to be one of the safest industries in the country, but it still reminds us to continue with our ongoing commitment to mine safety and together working toward our goal of zero harm.

MAPAM continued to work with the Workers Compensation Board Appeal Commission, the Manitoba Employers Council and represented the employer community on the Manitoba Accident Prevention Strategy. These notable activities also took place during the year...

Safety Training

Barrie Simoneau facilitated Supervisory Training (Acts and Regulations) at Vale, Manitoba Operations, Hudbay and with Major Drilling. Mr. Simoneau was also a keynote speaker for the CSSE/APAM Conference in Winnipeg.

Mine Rescue Instructors meetings

Mine Rescue Instructors met once in 2013 to discuss issues related to emergency planning, preparedness and response, and the annual competition. The Provincial Manitoba Mine Rescue Manual was also updated. A second opportunity for Manitoba mine rescue instructors to meet occurred at the International Mines Rescue Body (IMRB) conference to further discuss these issues. Mr. Barrie Simoneau also serves as a special advisor to the Chief Inspector of Mines, and they met in Sudbury during the year.

Workers Compensation Board (WCB) Rate Setting Model

The Director of Risk Management was appointed to the Special Advisory Group (SAG) to review the WCB Rate Setting Model. In March 2013, the WCB responded to the concerns raised as an industry on the assessment rates for mine contractors working in Manitoba. For the 2014 year, WCB will be combing the contract mining and mining classifications together, one year ahead of schedule, in the 120% risk category. This will benefit our companies in the year ahead.

Joint board of directors meeting

For the first time since the two associations were incorporated, both the Mining Association of Manitoba Inc. (MAMI) and MAPAM united in a joint board meeting to discuss collective issues going forward. It was agreed that together, the larger group can have a more prominent voice in the province of Manitoba and that there needs to be more connectivity between both boards of directors. Future meetings at least twice a year will be planned with both boards.

Potential heroes: the image of the mine rescue crews



Newspaper articles and team winners from the past...



Certificates & Awards

Congratulations to the recipients of these certificates and awards!

Basic Mine Rescue Certification

Number of personnel qualified: 27

Standard Certification

Number of mine rescue personnel awarded: 3

Advanced Certification

Number of mine rescue personnel awarded: 2

Instructor Certification

Craig Kulbaba from Tanco awarded Instructor Certification.

Director of Operations Training

Number of personnel trained: 6

Mine Rescue Service Awards

5 Years – 9 25 Years – 1

15 Years – 3 30 Years – 1

20 Years – 1



John T. Ryan Awards

Graymont in Faulkner, Manitoba is the recipient of a John. T Ryan National Safety Award for Select Mines. This achievement began in 2006, where over the past 7 years, Graymont worked 573,273 hours without a time loss injury. Two other companies will also share the same distinction with a 0.0 LTA.

Tanco is also being honoured for outstanding safety performance and have won the John T. Ryan Regional Safety Trophy in the Metal Mine category for the Prairie Provinces and Territories for 2013.

In addition, we must not forget Vale's past performance where the Thompson, Manitoba mines have won National and Regional Ryan awards in successive years during the period 2004 – 2013.

Congratulations to all three of these outstanding achievements!

2013 Manitoba Provincial Mine Rescue Competition

Mine rescue competitions have been held for over 50 years in Manitoba. These competitions test the completeness of our emergency response plans and competencies of our response personnel; essential in continuing to provide the same high level of rescue services across the province.

In May 2013, the competition was successfully held in Winnipeg, Manitoba. Teams representing Hudbay Flin Flon & Snow Lake, Vale, San Gold and Tanco competed against one another at the annual competition.

Hudbay Flin Flon had their second consecutive win this year. Team members are Tracy Knutson (Captain), Bryan Rainville (Vice-Captain), George Warman, Dustin Patterson, Damian Dominey, Jeremy Beauchamp, Don Last (Director of Operations), Don Peake (Coach), and Olaf Hettrick (Coach). They represented Manitoba at the National Western Region Mine Rescue Competition in Fernie, BC.

The Technician Award was presented to Brad Sirman from Vale Manitoba Operations. The award is given to the individual who demonstrates the highest level of proficiency in preparing the breathing apparatus that rescue personnel use in emergency situations.

In addition to being the co-host of this year's event, San Gold took home the Runner Up Award. Only 40 points separated the five teams.



International Mine Rescue Body (IMRB) Conference

The 6th International Mines Rescue Body Conference (IMRB) is a world class event that took place in Niagara Falls and Sudbury from October 5 - 10, 2013.

IMRB Canada 2013 was a huge success with mine rescue and emergency response experts and industry leaders from over 20 countries that attending this biennial conference. MAPAM was instrumental in its success.

The Canadian Mine Rescue Coordinators Forum gave participants the chance to discuss and help develop a plan that will benefit mine rescue delivery across the country.

Delegates heard from international speakers who introduced new and innovative ideas as well as ways to improve emergency preparedness, planning and response initiatives. Topics included introduction to systems that improve visibility and safety of mine rescue teams and mining operations, mine rescue systems, best practices of other countries, improved or emerging rescue technologies, virtual emergency mine training, and much more!

This was an exciting opportunity to hear about lessons learned, share perspectives and gather valuable emergency response information from other international delegates.

Congratulations to Barrie Simoneau, Renae Campbell, Isabella Caron and Alex Gryska (Workplace Safety North Ontario Mine Rescue) on the huge success!



National Western Region Mine Rescue Competition - 11th Biennial

The National Western Regional Mine Rescue Competition was held in Fernie, British Columbia on September 6 & 7, 2013. Seventeen provincial and territorial surface and underground mine rescue winners from western Canada (Alberta, British Columbia, Manitoba, Saskatchewan, Yukon and Northwest Territories/Nunavut) as well as the winning surface and underground teams from the Northwestern United States competed in this event.

The overall Surface winner was Coal Mountain Operations, Teck Coal from Sparwood, BC. The overall underground winner was Diavik Diamond Mines from NWT. Good job!

Where we are going

The future of MAPAM holds both challenges and opportunities. The safety and health of our workers is our top priority and as such, we will continue to work with the WCB and other stakeholders to ensure this remains one of the safest industries in this country.

The threshold limit values of NO₂ and the challenge of automatically adopting ACGIH numbers is on the horizon for 2014.

We will continue to work with mines inspection services to encourage the value inspectors add to the safety and well being of our work forces, work co-operatively with inspectors so they become familiar with the type of work and can interpret the regulations in a consistent manner and use of appropriate enforcement action for identified deficiencies.

MAPAM will also maintain its relationship with WCB to ensure support for the appropriate classification of claims and as well as seamless service.

Along with our challenges and opportunities, the Board of Directors will redefine the role and continue to succession plan to define the Director of Risk Management position.

