

# MINING WORKS FOR CANADA

## L'INDUSTRIE MINIÈRE PARTENAIRE DE DÉVELOPPEMENT

### KNOWLEDGE

## Mining Association of Canada Leads Best Practice in Sustainability

**A** NEW STUDY by Five Winds/Strandberg Consulting indicates that the Mining Association of Canada's (MAC) *Towards Sustainable Mining* (TSM) initiative has positioned Canada's mining industry as a leader in sustainable development.

"MAC won a Globe Foundation award in 2005 for its work on TSM," stated Gordon Peeling, President and CEO of MAC. "This new study reaffirms that TSM is effective, credible and enabling our members to demonstrate their commitment to improved sustainable development performance."

The study was based on a set of benchmarks emerging from a report completed in 2007 for Natural Resources Canada on *The Role of Industry Associations in the Promotion of Sustainability*.

The study concludes that TSM:

- is credible, comprehensive and relevant
- provides excellent opportunities for networking and shared learning among peer members

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### LA CONNAISSANCE

## L'Association minière du Canada l'origine de pratiques exemplaires visant la durabilité

**S**ELON UNE NOUVELLE ÉTUDE réalisée par Five Winds et Strandberg Consulting, l'initiative *Vers le développement minier durable* (VDMD) de l'Association minière du Canada (AMC) a permis à l'industrie minière canadienne de se tailler une place de chef de file dans le développement durable.

« L'AMC a reçu un prix de la Fondation Globe en 2005 pour le travail qu'elle a accompli dans le cadre de l'initiative VDMD », a indiqué Gordon Peeling, président et chef de la direction, AMC. « Cette nouvelle étude confirme l'efficacité et le sérieux de l'initiative VDMD et démontre qu'elle donne à nos membres les moyens de faire connaître leur engagement à renforcer le développement durable dans leurs activités. »

L'étude est fondée sur une série de critères tirés du rapport *The Role of Industry Associations in the Promotion of Sustainability* (Le rôle des associations de l'industrie dans la promotion de la durabilité) rédigé pour Ressources naturelles Canada en 2007.

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KNOWLEDGE  
Mining Association of Canada Leads Best Practice in Sustainability



ENVIRONMENT  
Xstrata Copper to Double Electronic Scrap Recycling Capacity



COMMUNITY  
PDAC Launches Framework for Responsible Mineral Exploration

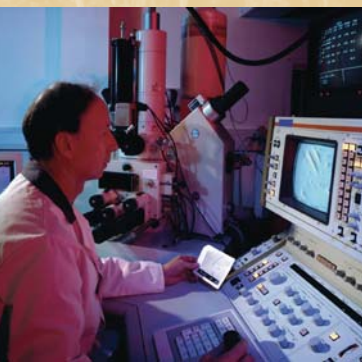
TSM  
The Mining Association of Canada



VDMD  
L'Association minière du Canada

# Quick Facts

- The mining industry contributed \$42 billion to Canada's gross domestic product in 2007
- Canadian mining companies invested \$538 million in R&D in 2006
- Statistics Canada reports that some 4000 R&D employees work in the mining and minerals industry



## *L'Association minière du Canada l'origine de pratiques exemplaires visant la durabilité* suite de la page 1

Selon les conclusions de l'étude, l'initiative VDMD :

- est fiable, exhaustive et pertinente
- fournit d'excellentes occasions de réseautage et d'échange de connaissances entre les membres
- a contribué à éveiller l'intérêt des entreprises membres pour le développement durable
- cadre avec les nouveaux enjeux comme la protection de la biodiversité
- met à contribution les parties intéressées
- obtient l'appui important des membres du conseil d'administration de l'AMC
- mène à l'adoption de pratiques exemplaires grâce aux vérifications effectuées par des tiers

« L'initiative VDMD est un exemple par excellence du rôle de premier plan qu'une association industrielle peut jouer dans la promotion du développement durable », a déclaré Kevin Brady, directeur, Five Winds International. « L'initiative répond à tous les principaux critères des pratiques exemplaires que nous avons examinés et les dépasse même dans certains cas. Elle est tout indiquée pour aider les membres de l'AMC à répondre aux attentes du marché actuel en ce qui concerne la durabilité des matériaux. »

Les membres du conseil d'administration de l'AMC pourront s'appuyer sur les résultats et les recommandations de l'étude pour prendre des décisions stratégiques.

L'AMC a récemment publié son rapport sur les progrès du développement minier durable pour l'année 2007 dans lequel une liste des récipiendaires de prix VDMD est incluse. Par ailleurs, l'AMC a annoncé aujourd'hui les lauréats des prix VDMD de cette année. Pour être admissibles aux prix, les entreprises devaient faire évaluer le rendement de leurs installations par un vérificateur externe. Cette année, huit prix ont été décernés à trois installations : Williams Operating Corporation, fonderie de Teck Cominco à Trail et Syncrude Canada Ltd. Un prix spécial a été remis à Syncrude Canada Ltd., qui a atteint les objectifs de rendement de l'initiative VDMD dans toutes les catégories. ■

**L'étude et le rapport VDMD sont accessibles à partir du site Web de l'AMC, à l'adresse [www.mining.ca](http://www.mining.ca).**

# THIS NEWSLETTER IS FEDERAL POLICY IS MINING WORKS FOR

## *Mining Association of Canada Leads Best Practice in Sustainability* continued from page 1

- has helped put sustainable development on the radar screen of member companies
- is addressing emerging issues, such as biodiversity
- enables successful engagement of stakeholders
- enjoys the high commitment of the MAC Board
- leads best practice through implementation of third party verification

"The TSM program is a world class example of the leadership role an industry association can play in promoting sustainable development," stated Kevin Brady, Director of Five Winds International. "It meets or exceeds best practice on the key benchmarks we examined and the program is well positioned to help MAC's members respond to market expectations on the sustainability performance of materials in the 21<sup>st</sup> Century."

The results of the study and its recommendations will help to inform the MAC Board's strategic decision-making.

MAC recently released the *2007 Towards Sustainable Mining Report*. The report includes a list of recipients of this year's TSM awards. To be eligible for an award, a facility's performance had to be externally verified. Three facilities – Williams Operating Corporation, Teck Cominco Trail smelter and Syncrude Canada Ltd., won a total of eight awards this year. A special award was presented to Syncrude Canada Ltd. for achieving TSM performance goals in all performance categories. ■

**A copy of the study and the TSM report are available on MAC's website at [www.mining.ca](http://www.mining.ca).**

# IS DESIGNED TO INFORM YOU OF CURRENT SUES AND DEVELOPMENTS AND ALSO OF R CANADA PROGRAM ACTIVITIES.

## ENVIRONMENT

### Xstrata Copper to Double Electronic Scrap Recycling Capacity



The metals from scrap circuit boards are extracted and reprocessed (smelted and refined) and then sent back to market as new circuit boards.

**X**STRATA COPPER'S RECYCLING BUSINESS, the world's largest consumer of copper and precious metal-bearing electronic scrap, recently announced plans to double electronic scrap recycling capacity at the Horne smelter in Rouyn-Noranda, Quebec. Once the project is fully implemented, the smelter will have the capacity to receive and process 100,000 metric tonnes of electronic scrap per year.

This expansion will position Xstrata Copper to meet the growing need for electronic scrap smelting capacity. As the use of electronic equipment increases, the volume of electronic waste has become a serious environmental concern. The European Union's Waste Electrical and Electronic Equipment (WEEE) Directive is aimed at tackling this issue by

requiring that all electronic scrap is recycled. Similar legislation is expected to be adopted in other countries.

At Xstrata Copper's Horne smelter, electronic scrap from end-of-life electronic devices is processed for copper and precious metal recovery, with the refined copper and precious metals returned for fabrication into new products. The expansion will leverage Horne's existing smelting technology and make use of its capacity to process larger volumes of electronic scrap. The main aspect of the project will be the modification of the Horne's receiving and sampling processes.

With limited capital spending required and no significant technical hurdles or smelter flowsheet modifications to address, phase 1 of the expansion is expected to be up and running by January 2009. Phase 2 of the project will be completed by January 2010.

"We are pleased to be able to expand our activities in electronic scrap recycling to meet a growing market need with a low-cost solution that can be quickly and easily implemented. We also expect that the project will have economic benefits to the local community, including the potential for job creation," said Paul Healey, Manager of Recycling at Xstrata Copper.

The Horne smelter has a long history of providing responsible recycling services. Xstrata Copper started recycling materials through its Horne smelter in the 1940s and now recycles more than 120,000 metric tonnes per year of various metal-bearing materials. ■

## COMMUNITY

# Prospectors and Developers Association of Canada Launches a Framework for Responsible Mineral Exploration

CORPORATE SOCIAL RESPONSIBILITY (CSR) has become one of the most important issues facing the exploration and mining industry. The “above ground” issues can now be equally, if not more, complex and challenging than those below ground. Exploration and mining companies are expected to adhere to the tenets of CSR and to recognize their duty of care to all stakeholders, including employees, customers, local communities, and shareholders.

The Prospectors and Developers Association of Canada (PDAC) is responding to these challenges by launching its Framework for Responsible Mineral Exploration at the association's annual convention in March 2009.

The framework is intended for use by exploration companies wherever they are working. It consists of several components, including principles and performance guidelines for mineral exploration; the association's *e3 environmental excellence in exploration*; and a set of universal health and safety guidelines for individuals, companies and contractors working in mineral exploration.

Developed after extensive consultation with members and other stakeholders, the principles and performance guidelines are now close to completion.

There are seven principles: commit to ethical business practices; respect human rights; commit to project due diligence and risk assessment; engage host communities and other affected and interested parties; contribute to community development and wellbeing; protect the environment; safeguard the health and safety of workers and the local population.

The performance guidelines help practitioners convert the principles into action in specific cases. For example, guidelines for ethical business practices cover the areas of corporate and project level practice; relationship with contractors; bribery, corruption and conflict of interest; and transparency.



The association's flagship product, *e3 environmental excellence in exploration*, is a key component of the framework. Launched in 2003, e3 is an internet based resource with practical management techniques to protect the natural environment and engage local communities during mineral exploration projects.

The framework also includes universal guidelines for health and safety in mineral exploration. These health and safety protocols for employers, employees and contractors are being developed by the PDAC's health and safety committee and will be published on the internet in 2009. A smaller print version will be produced for use in the field.

Key to the framework is its flexibility, says Tony Andrews, executive director of the PDAC. “It recognizes that our members conduct their projects in myriad environments, and that their judgment is needed to determine how to properly apply the elements of the framework. Essentially, the principles and performance guidelines describe what should be done and why, while e3 and the health and safety guidelines provide the ‘how.’”

Future plans are to develop performance criteria and reporting guidelines. ■

**Information about the PDAC's framework for responsible exploration is available on the PDAC website, [www.pdac.ca](http://www.pdac.ca).**



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