

# 25 YEARS AGO SCREENINGS

VOLUME 12 / ISSUE 3

THE PUBLICATION OF THE BRITISH COLUMBIA STONE, SAND & GRAVEL ASSOCIATION

## BCSSGA Mission Statement

TO ENCOURAGE the formulation of government policies that support investment in the sustainable development of British Columbia's aggregate resource.

TO PROVIDE a network for the effective exchange of information within the aggregate industry throughout British Columbia.

TO COMMUNICATE the economic importance and environmentally responsible nature of the aggregate industry to the public and to government.

TO PROMOTE the exchange of information between the various mining-related associations throughout Canada.

## CELEBRATING 25 Years!

On December 29, 2013 our association is proud to be celebrating its 25th anniversary! Our certificate of incorporation was issued on December 29th, 1988. At that time, we had the name Aggregate Producers Association of BC. The members who signed the application for incorporation were Jim Allard, Ron Bruhaug, George Home, Cecil Merritt and John Foreman. To this date, the companies representing Ron, George, Cecil and John remain as members of the association. Thank you to all who had a part in making the association such a success over these past 25 years!

As an association, we have enjoyed a very busy and productive 2013. Key activities of this year included: successfully helping our members to work through the re-implementation of GST; piloting and launching the new Hazard Awareness Training Program; and encouraging greater involvement in the recycling of aggregates and asphalt.

As 2013 comes to a close, we encourage you to celebrate the successes of the past year and set new goals for yourself, your family and your organization.

We wish all of you a safe and happy holiday season!

Sincerely,

BCSSGA

## MARK YOUR CALENDAR!

Our next meeting will be held on January 16, 2014 at the offices of Fasken Martineau DuMoulin LLP - 2900-550 Burrard Street, Vancouver. Scheduled Guest Speaker will be The Honourable Bill Bennett, Minister of Energy and Mines.



## BRITISH COLUMBIA

*Throughout this issue, we have included some interesting facts about our province in 1988, the year our association was founded. Enjoy this trip down memory lane.*

*Thanks to the impressive and comprehensive archive of The History of Metropolitan Vancouver for all of this great information. Their database can be viewed online at [www.vancouverhistory.ca](http://www.vancouverhistory.ca).*

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## Highlights from BCSSGA's Board Meeting Kelowna - September 17th, 2013

**LUNCH SPONSORS:** Elrus Aggregate Systems, Foreman Equipment, ICBA Benefit Services, Mormak Equipment, SMS Equipment and Westlake Paving & Aggregates.

### Stewart Guy – Director, Aggregates Policy, Ministry of Forests, Lands and Natural Resource Operations

- Stewart was tasked to create a new Aggregate Policy, which he requires a continued dialogue with the BCSSGA to complete effectively.
- His tentative schedule is as follows:
  - Aggregate Concept Paper to the BCSSGA October 2013
  - Discussion Paper January 2014
  - Aggregate Policy Options Paper March 2014
  - Legislative Drafting Summer 2014
  - Legislation Spring 2015
- Our association will work with Mr. Guy via our Action Committee to ensure this policy change is a success.

### Rob Dickson – Iron Planet

Online auctions for heavy equipment and more.  
[www.ironplanet.com](http://www.ironplanet.com)

### Markus Kopper – Haver and Tyler Rocky Mountains

"Waste to Profits" program using Hydro Clean equipment that removes deleterious materials with high-pressure water steams, leaving a useable aggregate product. [www.havertyler.com](http://www.havertyler.com)

### BUSINESS ITEMS:

- Naturally Occurring High Metal Content in Aggregates: when moving this material off site, it can sometimes be considered "contaminated material". Follow up work is needed to address this issue.
- Rogue operators: it is our current members' responsibility to ensure they operate at the highest and safest standards possible so the industry is viewed in a favorable light. There is a potential for a Code of Ethics to encourage these high standards.
- Provincial Membership Representation: A committee will continue to work on developing a plan to increase BCSSGA membership and provincial representation.
- Insurance: In the spirit of supporting our member companies, Wilson M. Beck Insurance now handles our Directors and Officers Liability Insurance.
- 5 Year Mine Plan Update: Has your organization been asked to provide one? If so, please contact Paul Allard.
- BCSSGA Scholarship: A committee has been formed to develop a scholarship program for high school/ college students.



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Photographer: Jean-Philippe Mesguen

#### JANUARY 1, 1988

*Thirteen maximum security prisoners escaped from Oakalla Prison in Burnaby.*

#### ALSO IN: 1988

*A Ford Motor Company assembly plant in Burnaby (built in 1938 and used to produce military vehicles during the Second World War) was demolished to make way for Station Square.*

## Highlights from BCSSGA's General Meeting Langley - November 21, 2013

**LUNCH SPONSORS:** Buckman Canada, Elrus Aggregate Systems, ICBA Benefit Services, McAdam Machinery, Mormak Equipment, Polaris Minerals & Zorbie Products.

### Quentin Hamilton – Senior Chemist with Kohn Crippen Berger: Acid Rock Drainage and Metal Leaching in Quarried Rock Testing

- Acid Rock Drainage (ARD): occurs when sulphide minerals undergo oxidation to produce sulphuric acid, which leaches minerals out of the rock.
- Metal Leaching: where soluble metals are released from rock surfaces during exposure to water. It can occur independently of Acid Rock Drainage. Problems persist for millennia.
- Mr. Hamilton referred to the Ministry of Transportation and Infrastructure Technical Circular T-04/13.

*See page 6 for an article on this topic.*

### Tom Castonguay – Benefit Services – Independent Contractors and Businesses Association (ICBA)

- ICBA is a bulk purchaser, which translates to savings for members. Some of their services include insurance reviews, HR services and assistance with WorkSafeBC. They can also provide a second opinion on the features of your current program.
- As an added benefit to our association, the program provides a small stipend back to the BCSSGA.

*Please see page 10 for more information.*

### Dimitri Svoliadopoulos – Buckman Canada – Water Treatment for Sand and Gravel Plants

- Buckman provides process and water treatment programs on surface and below, offering expertise

and support for both surface and sub-surface mining operations.

- They have resources and resourcefulness to solve problems and optimize efficiency in these systems: boiler water; cooling water; influent, effluent and process water; service water; and smelting and refining.
- Look to Buckman for expertise in clarification, scale and corrosion control, microbiological control, sanitation, process and reverse osmosis.
- They can visit your site to make a proposal, perform an on-site trial, perform installation, training, follow-up site visits and reports and annual reviews.

*Please call 604-435-2165 or email [dsvoliadopoulos@buckman.com](mailto:dsvoliadopoulos@buckman.com) for more information.*

### Ted Carlson – Aggregate Literacy

- Ted suggested BCSSGA work towards a training package for teachers to educate students about the need for aggregates and how the industry works. The goal would be to reduce public misconceptions.

*Watch for more on this in upcoming meetings and newsletters.*

### Online Hazard Awareness Training Program

- Increased promotion is needed to encourage more participation.

*Please see page 4 for more information on this course.*

### Screenings Newsletter

- As always, we welcome your articles, photos and suggestions.

*See page 16 for contact information.*

#### 1988

*The vacant Expo site was sold in one of the largest real estate deals in Canadian history.*

#### ALSO IN: 1988

*Point Roberts, the little tip of Washington State that's accessible by land only through BC, finally got its own US-based telephone service.*

## Hazard Assessment Training (HAT)

### DESCRIPTION

This training course is part of the Workplace Safety Program which was developed by the BC Stone, Sand and Gravel Association (BCSSGA) and the provincial government, with support from the BC Construction Safety Alliance. The goal of the program is to reduce injuries and improve worker safety in the industry.

As a participant in this course, you are part of an innovative program that will help improve the safety of aggregate production in British Columbia. We are excited to offer this program and to provide you with supporting materials and resources.

### TOPICS

#### Hazard Identification

The first step in any risk assessment is identifying hazards in your worksite. Hazards are unsafe or harmful conditions, substances, or circumstances that could put people at risk of injury or disease. This section discusses techniques to help you decide if something — whether it's a piece of equipment, a condition of the work environment, or a job procedure — poses a hazard.

#### Hazard Assessment

The next section will help you to assess hazards in terms of the level of risk associated with them. The purpose of assessing hazards is to prioritize your safety efforts in order to prevent harm most effectively.

#### Hazard Control

This section will help you control the hazards you identified and assessed. You'll learn how to:

- plan how to control the risk of hazards
- implement your controls
- record what you've done
- maintain the controls

*The cost is \$24.00 (plus GST). You will be able to review the course at any time for one year from your enrollment date.*

*The course takes approximately one hour and twenty minutes to complete.*

*To register for the HAT program, go to <https://bcssga.trainingden.com/content/hazard-awareness-training>.*



## Mining Facts

From the Mining Association of BC Website Training: [www.mining.bc.ca/mining-facts](http://www.mining.bc.ca/mining-facts)



**BC's Voice  
of Mining**  
Since 1901

- Gross mining revenues for the BC mining industry were \$9.2 billion in 2012
- In 2012, the BC mining industry made total payments to the government and government agencies of \$504 million
- British Columbia's mining industry pre-tax net earnings for 2012 was \$1.8 billion
- Hiring requirements for all mining sectors in BC, over the next 10 years, are projected to be 16,770 workers under a baseline scenario
- The number of people working in BC's mining industry in 2012 increased to 10,419 up from 9,310 in 2011
- Average employee earnings rose to \$98,200 in 2012, up from \$93,900 in 2011
- Capital expenditures fell to \$2.7 billion in 2012 from \$2.9 billion in 2011
- Vancouver is the world's leading centre of expertise for mineral exploration. Some 1,200 exploration companies are located in British Columbia, most in the greater Vancouver area
- Exploration and development expenditures by survey participants, was \$680 million in 2012 compared with \$463 million in 2011
- Lead and lead concentrate revenue totalled \$194 million in 2012
- Shipments of metallurgical coal rose to 24.2 million tonnes in 2012
- Coal accounts for 39% of the total volume handled at the Port of Vancouver, which moves shipments to China, Japan and other Asian markets
- Metallurgical coal continued to dominate BC's mining sector in 2012, representing 44% of revenues, followed by copper concentrates at 19%, silver at 10%, zinc and zinc concentrates at 9% and gold at 4%
- Copper concentrate revenue rose to \$1.5 billion in 2012 and copper shipments rose to 787,000 tonnes
- Gold: net mining revenues rose significantly in 2012 to \$275 million, up from \$154 million in 2011
- Molybdenum: net mining revenues in 2012 were \$248 million
- Total mining expenditures rose to \$9.2 billion in 2012. Mining companies spent more on items such as production materials and supplies, energy and fuels, outward transportation, and machinery, equipment and construction materials
- Zinc and zinc concentrates revenue in 2012 fell slightly to \$685 million from \$693 million in 2011
- Silver: net mining revenue for 2012 was \$760 million
- Cash flow from BC operations in 2012 was \$2,230 million
- Mine reclamation is a fundamental part of the mining life cycle in British Columbia. The Technical & Research Committee on Reclamation (TRCR) has been dedicated to excellence in mine reclamation in B.C. since 1977.

### SPRING OF 1988

*Ocean Construction Supplies and the YMCA of Greater Vancouver were inducted into the Vancouver Board of Trade Hall of Fame.*

### ALSO IN: 1988

*The 125-room Inn at Westminster Quay in New Westminster was built.*



## Ministry of Transportation and Infrastructure – Metal Leaching/Acid Rock Drainage Testing

On September 15, 2013, the Ministry of Transportation and Infrastructure (MOTI) released a technical circular on the subject of evaluating the potential for acid rock drainage and metal leaching at quarries, rock cut sites and from stockpiled rock or talus materials used by the MOTI.

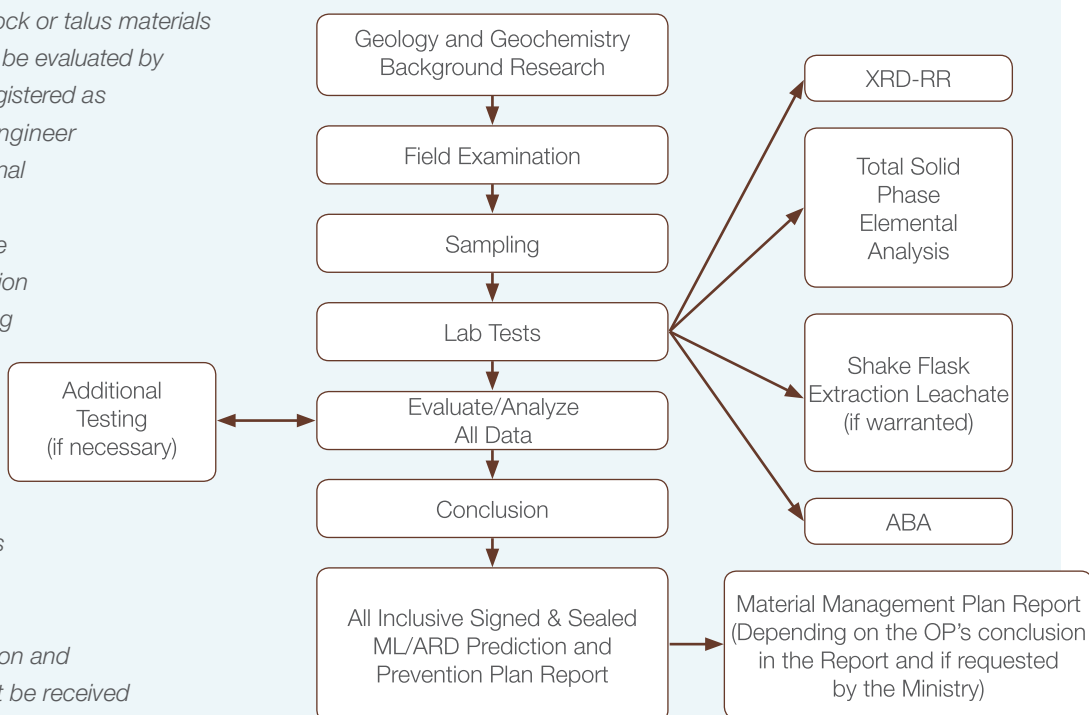
Because significant environmental ramifications due to the impacts of metal leaching/acid rock drainage may occur at quarries, rock cuts and talus sites, the MOTI has published the following policy:

*When quarry or rock cut materials are produced and/ or utilized for MOTI purposes, or where rock cuts will be exposed due to highway construction projects, the in-situ material will be evaluated for metal leaching/acid rock drainage (ML/ARD) potential by a qualified professional (QP). Materials from stockpiled rock or talus materials (e.g. mine waste rock) must also be evaluated by a QP. The QP is required to be registered as a professional geoscientist or engineer with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC), have experience with ML/ARD evaluation and have geological field mapping experience. The QP's ML/ARD evaluation must be performed in advance of materials being produced from Ministry tenured quarries, private quarries, rock cuts, and stockpiled rock or talus materials where volumes exceed 1000m<sup>3</sup>. This evaluation will be prepared as an ML/ARD Prediction and Prevention Plan Report and must be received by the Ministry before production or construction operations commence. For projects below the threshold of 1000m<sup>3</sup>, the Ministry recommends engaging a QP for an*

*ML/ARD evaluation when sulphide minerals are anticipated or identified in hand sample from the various sources by a Ministry Representative or by a private source's QP.*

If you would like a copy of the Appendix to the technical circular, which outlines the testing procedure, please contact Paul Allard. Recently, Quentin Hamilton gave a presentation to BCSSGA on this topic. A copy of this PowerPoint presentation can also be requested from BCSSGA.

Qualified Professional Metal Leaching/Acid Rock Drainage Flowchart:



MAY 5, 1988

*The Biomedical Research Centre opened at UBC.*

ALSO IN: 1988

*40 % of all new homes built in B.C. were located in Surrey.*

## Kwantlen Park Holiday Hamper Program



Every year, Kwantlen Park Secondary School provides hampers to its families in need. Using Quest as their grocery store, they are able to purchase a holiday dinner for four at \$35.00. They deliver this to the family's home. Last year, they were able to feed over 35 families in this way.

When BCSSGA members heard about this impressive program, they quickly embraced it and collected \$450.

Thanks to the following for their generous contributions:

Ewan Moir  
*Mainland Sand and Gravel*

Stephen Gabrysh  
*Petro Canada*

Chuck Willms  
*Fasken Martineau DuMoulin LLP*

Ron Johnson  
*Westerra Equipment*

Markus Kopper  
*Haver & Tyler Rocky Mountain*

Mike Marks

Paul Allard, Executive Director of the BCSSGA will present the cheque to Kwantlen Park Secondary on behalf of the BCSSGA Membership.

## Upcoming ICBA Training Sessions January and February Schedule



Whether you are a producer or an associate member, the Independent Contractors and Businesses Association (ICBA) has a course for you! Did you know they offer a comprehensive series of courses throughout the province? Their 2014 schedule is now online.

January 13-14	Victoria	Supervisory and Management Skills
January 16-17	Burnaby	Small Business Growth Workshop
January 20-21	Victoria	Project Management
January 24	Langley	Supervisors Bootcamp
January 27-28	Victoria	Construction Business Management
January 30	Prince George	Negotiation Skills Workshop
February 3-4	Burnaby	Leading People to Peak Performance
February 6	Burnaby	Introduction to Blueprint Reading
February 19	Burnaby	Cement and Concrete – Understanding the Materials You Work With
February 20	Terrace	Supervisors Bootcamp
February 21	Burnaby	How To Be a Better Foreman
February 21	Victoria	Sales Skills Workshop
February 24-25	Victoria	Construction Estimating

Register online for any of these exciting courses at  
<https://icba.simplesignup.ca/en/0/index.php?m=eventsList>

### AUGUST 19, 1988

*A high-pressure water main feeding the new sprinkler system in the main branch of the Vancouver Public Library at Robson and Burrard burst, soaking hundreds of rare books and bound periodicals.*

### ALSO IN: 1988

*The number of passengers arriving and departing using Vancouver International Airport was 8,840,130.*

## Aggregate Recycling Promotion ACT, 2013



2ND SESSION, 40TH LEGISLATURE, ONTARIO  
62 ELIZABETH II, 2013

### Bill 56

#### An Act to prohibit certain restrictions on the use of aggregates in performing public sector construction work

Ms Jones

#### Private Member's Bill

1st Reading      April 22, 2013  
2nd Reading  
3rd Reading  
Royal Assent

#### EXPLANATORY NOTE

The Bill prohibits any person or body that forms part of the public sector from refusing to consider a bid for construction work or from refusing to enter into a contract for construction work for the sole reason that the work, or any part of it, can or will be performed using aggregates that are not newly produced. The term "public sector" is broadly defined.

#### Preamble

Ontario residents expect the Government of Ontario to take a leadership role in balancing the relationship between primary aggregate extraction and secondary aggregate recycling, the latter of which contributes to preserving the environment.

Ontario residents expect the Government of Ontario and the broader public sector, including government-funded institutions, to conduct business in a sustainable way that is both operationally and economically viable.

Ontario residents also expect that, where appropriate, recycled aggregates will be fairly considered for use in all construction contracts entered into by the Government of Ontario and the broader public sector. This allows for a better balance between the need for primary aggregate extraction and secondary aggregate recycling in Ontario.

Therefore, Her Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

#### Definitions

1. In this Act,

"aggregate" has the same meaning as in the *Aggregate Resources Act*; ("agrégats")

"construction work" means constructing, altering, decorating, repairing or demolishing buildings, structures, roads, sewers, water or gas mains, pipe lines, tunnels, bridges, canals or other works at a site or performing other work of a similar nature that is prescribed by the regulations made under this Act; ("travaux de construction")

"public sector" means,

- (a) the Crown in right of Ontario, an agency thereof, or an authority, a board, a commission, a corporation, an office or an organization of persons, a majority of whose directors, members or officers are appointed or chosen by or under the authority of the Lieutenant Governor in Council or a member of the Executive Council,
- (b) the corporation of a municipality in Ontario,
- (c) a local board as defined by the *Municipal Affairs Act* or an authority, a board, a commission, a corporation, an office or an organization of persons,

#### SEPTEMBER 9, 1988

David See-Chai Lam was sworn in as B.C.'s lieutenant governor, succeeding Robert Rogers.

#### ALSO IN: 1988

Pat Quinn, the president, general manager and some-time coach of the Vancouver Canucks, made his first draft pick: Trevor Linden, 18.



some or all of whose members, directors or officers are appointed or chosen by or under the authority of the council of the corporation of a municipality in Ontario,

- (d) a board as defined in the *Education Act*,
- (e) a university in Ontario or a college of applied arts and technology or post-secondary institution in Ontario, whether or not affiliated with a university, the enrolments of which are counted for purposes of calculating annual operating grants entitlements,
- (f) a hospital referred to in the list of hospitals and their grades and classifications maintained by the Minister of Health and Long-Term Care under the *Public Hospitals Act* or a private hospital operated under the authority of a licence issued under the *Private Hospitals Act*,
- (g) a corporation with share capital, at least 90 per cent of the issued shares of which are beneficially held by or for an employer or employers described in clauses (a) to (f), and every wholly-owned subsidiary thereof,
- (h) a corporation without share capital, the majority of whose members, directors or officers are members of, or are appointed or chosen by or under the authority of, an employer or employers described in clauses (a) to (f), or a wholly-owned subsidiary thereof,
- (i) a board of health under the *Health Protection and Promotion Act*,
- (j) the Office of the Lieutenant Governor of Ontario, the Office of the Assembly, a member of the Assembly or the offices of persons appointed on an address of the Assembly,
- (k) any authority, board, commission, corporation, office, person or organization of persons, or any class of authorities, boards, commissions, corporations, offices, persons or organizations of persons, prescribed by the regulations made under this Act,
- (l) Hydro One Inc. or any of its subsidiaries, and
- (m) Ontario Power Generation Inc. or any of its subsidiaries. ("secteur public")

#### Usage of aggregates to perform construction work

**2.** (1) No person or body that forms part of the public sector shall, in calling for tenders for any construction work, refuse to consider a bid for the sole reason that it proposes that the work, or any part of it, can or will be performed using aggregates that are not newly produced.

#### Same, contract

(2) No person or body that forms part of the public sector shall refuse to enter into a contract for the performance of construction work for the sole reason that the contract permits or requires the work, or any part of it, to be performed using aggregates that are not newly produced.

#### Regulations

**3.** The Lieutenant Governor in Council may make regulations,

- (a) doing anything described as prescribed in the definition of "construction work" in section 1 or clause (k) of the definition of "public sector" in that section;
- (b) specifying what constitutes aggregates that are not newly produced for the purposes of section 2;
- (c) exempting any person or body or class of person or body from any provision of this Act or the regulations made under this Act, and prescribing conditions or restrictions that apply in respect of an exemption;
- (d) governing transitional matters that, in the opinion of the Lieutenant Governor in Council, are necessary to implement this Act or the regulations made under it.

#### Commencement

**4. This Act comes into force on the day it receives Royal Assent.**

#### Short title

**5. The short title of this Act is the *Aggregate Recycling Promotion Act, 2013*.**

SEPTEMBER 27, 1988

*A plaque commemorating the opening a century earlier of Stanley Park was unveiled on the right side of the park drive at the north foot of Pipeline Road.*

ALSO IN: 1988

*The GVRD opened the Burnaby Incinerator. Costing just over \$63 million, this was one of the most advanced municipal waste incinerators in North America.*

## Membership

### Certainly Has its Benefits!

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Vice President - [nkeith@wmbeck.com](mailto:nkeith@wmbeck.com) or 604-437-6200.



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For more information please contact Tom Castonguay - email [tom@icbabenefits.ca](mailto:tom@icbabenefits.ca) or call directly at 604-832-2029.



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#### Mining & Aggregate Group



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**Valley Rubber LLC**  
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**Spicer Solution Providers Inc.**  
[www.2SP.ca/media](http://www.2SP.ca/media)

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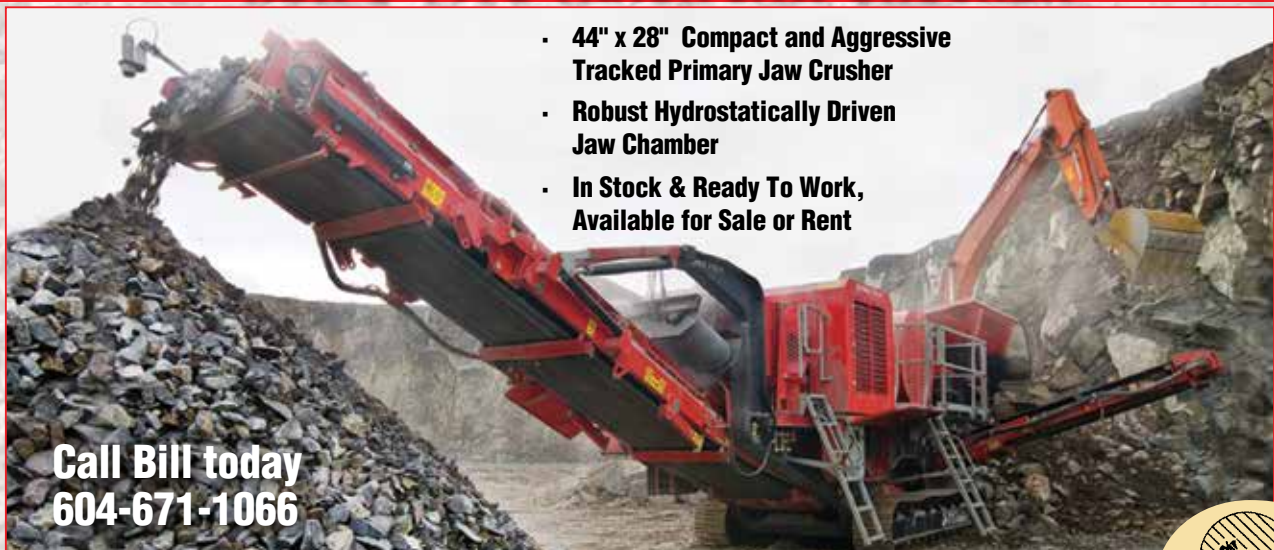


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## WorkSafe BC News



WORKING TO MAKE A DIFFERENCE

For more news and up-to-date health and safety information, take a look at <http://www.worksafebc.com/>

### Request and Manage Reviews Online

WorkSafeBC has launched a new application that allows workers and employers to request and manage reviews of WorkSafeBC decisions online. Check it out at <https://online.worksafebc.com/wcb.SCON.web/preauth/logon.aspx>

### New Tool Kit to Help Workplaces Prevent and Address Bullying and Harassment

New workplace bullying and harassment policies came into effect on November 1, 2013. WorkSafeBC's tool kit is now available to help employers, workers, and supervisors prepare for these policy changes. The tool kit can be viewed at <http://www2.worksafebc.com/Topics/BullyingAndHarassment/Home.asp>

### Put the brakes on distracted driving

Get resources and policies to help you drive home the safety message to workers and supervisors online at <http://www2.worksafebc.com/Topics/RoadSafety/SafetyTopics.asp?reportID=36551>

### Proposed policy amendments regarding primary skin cancer and certain occupational exposures

At their meeting in July, WorkSafeBC's Board of Directors approved the release of a discussion paper with options for stakeholders to comment. Stakeholders are invited to review the discussion paper and provide feedback by January 10, 2014. You can view it here [http://www.worksafebc.com/regulation\\_and\\_policy/policy\\_consultation/law\\_40\\_10\\_1070.asp](http://www.worksafebc.com/regulation_and_policy/policy_consultation/law_40_10_1070.asp)

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*The company BC Gas was formed when Inland Natural Gas acquired the mainland natural gas division of B.C. Hydro.*

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