

# 2015 WINTER SCREENINGS

VOLUME 14 / ISSUE 3

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



**SCREENINGS** is published by the BCSSGA as a service to its members. Statements expressed herein do not necessarily reflect the views of the BCSSGA or its sponsors.

To submit story ideas contact

*Leah Altizer, Writer*  
[leahaltizer@gmail.com](mailto:leahaltizer@gmail.com) OR

*Paul Allard, Editor*  
[gravelbc@telus.net](mailto:gravelbc@telus.net)

T: 778-571-2670 F: 778-571-2680 [www.gravelbc.ca](http://www.gravelbc.ca)

## 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.

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## BCSSGA OFFICERS

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Tom Castonguay – email [tom@icbabenefits.ca](mailto:tom@icbabenefits.ca)  
or call directly at 604-832-2029.

THE NEXT DEADLINE

for new material is  
**April 8<sup>th</sup>**

SCREENINGS is always looking for useful information to pass on to our members! If you would like to write an article in 2016, or if you are an advertiser who would like to update your ad, the deadlines for 2016 are: **April 8<sup>th</sup>, August 8<sup>th</sup> & November 8<sup>th</sup>**. We look forward to your input!

## BCSSGA COMMITTEES

COMMITTEE NAME	CHAIR	OTHER MEMBERS
Action Committee	Scott Boshart	Bob Esau, Ted Carlson, Ed Claggett, Chuck Willms
Financial Committee	Barry McLean	
Safety Committee	Paul Allard	Barry McLean, Bob Esau, Urvi Ramsoondar
Safety, Community Relations and Reclamation Awards	John Tiefenbacher	Trevor Ward, Paul Allard to administer
BC Construction Safety Alliance		Andre Balfe, Paul Allard Ex-Officio
Screenings Newsletter	Editor-Paul Allard	Writer: Leah Altizer Proofers: Jeff Watson. We need ideas from everyone!
Technical Training	John Tiefenbacher	Trevor Ward, Paul Allard to administer
Website Design/ Maintenance	Paul Allard	Steve Dimond
Scholarships	Bob Esau	Markus Kopper, David Durante – Paul Allard to administer
Membership Recruitment	EVERYONE IN THE BCSSGA SHOULD HELP!	



## HIGHLIGHTS FROM BCSSGA MEETING

SEPTEMBER 15, 2015–QUAIL'S GATE WINERY, KELOWNA

### LUNCH SPONSORS:

- ~ BC Road Builders  
& Heavy Construction Association
- ~ Elrus Aggregate Systems
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- ~ SiteDocs Safety Corp.
- ~ Western Canadian Screens
- ~ Westlake Paving & Aggregates

### GUEST SPEAKERS:

- ~ Honourable Steve Thomson – Minister of Forests, Land & Natural Resource Operations
- ~ Jill Tsolinas – BC Centre of Training in Mining Excellence
- ~ Rob Evers and Lance – SiteDocs
- ~ Allison Ramchuk – Okanagan College – Development Office

### BUSINESS SESSION:

Water Sustainability Act – Scott Boshart and Barry Maclean explained the act, the consultation process and the importance of working together with other associations to ensure the process is manageable.

Fraser Valley Regional District Soil Removal Bylaw – Scott Boshart described the bylaw as prohibitory for the industry due to cost and lack of clarification on what constitutes noise.

Fort Nelson First Nations Decision – The 250,000 tonnes trigger rule for environmental review has

changed. We are awaiting a document with less ambiguous wording before we can circulate it.

Cowichan Valley Regional District vs. Cobble Hill Holdings Ltd. and South Island Aggregates – Chuck Willms informed us that a lawyer in Victoria sent the pleadings for our information only, as it involves soil removal and deposits, as well as contaminated soils.

MFLNRO Payment of Royalties for Quarrying Tenures – Slide deck is available to members – if you would like a copy, please contact Paul Allard.



# PAPERLESS SAFETY MANAGEMENT

## EASIER. BETTER. FASTER.



Manage your entire safety program from mobile apps and the web.

### The Problem With Paper

Keeping employees safe at work is difficult enough without the added challenge of managing mountains of required paperwork. Here a few of the common challenges with documenting safety on paper:

- Forms get lost in transit or don't get returned to Head Office
- Handwriting is hard to read and often illegible
- Paper forms are easily ripped, crumpled, or damaged
- Workers can easily backdate forms
- Wasted time printing, photocopying, and distributing forms to job sites
- Wasted time spent filing and retrieving documents
- Limited visibility to on-site safety activities or incidents

### The SiteDocs Solution

SiteDocs is a digital safety management system that allows you to move your entire safety program from paper, clipboards and filing cabinets to mobile apps and the web. You can add specific locations and workers to your account and create digital versions of all your safety documents. From the job site, workers can login to the SiteDocs iPad or iPhone app and view or complete all necessary safety documentation. The forms they sign on the iPad and iPhone are instantly uploaded to your SiteDocs account and are automatically organized for instant and easy access at Head Office.

Whether you're on the job site filling out forms or in the office managing and monitoring your safety program, SiteDocs will save you time and help you maintain the highest standard of safety possible, making your safety program more efficient, more effective, and significantly more enhanced.

### "Oh Great, One More Thing To Spend Money On..."

Our Company began an official leap into the world of organized safety requirements in 2010 and we struggled. No one wanted to do the paperwork and any paperwork that was completed was done with a less-than-positive attitude and was often lost or sat on the administrator's desk "to be uploaded and filed", which took months. Each safety audit was excruciating as we raced around to ensure that we had "complied" all year, and was an exercise in frustration.

When I ran into Lance from SiteDocs at a conference, I reluctantly agreed to a meeting and a service proposal. In my head I thought, 'Oh great, one more safety thing to spend money on.' But, I was blown away. My expectations were exceeded immediately, especially because of the user-friendly interface and no "per user fees". Most importantly, our team took to it right away. Each person was without complaint, able to complete all their safety inspections and could easily access all safety documentation that was required for any job they ended up on.

Instead of coercing, reprimanding and having a staff that was frustrated with every level of managing a safety program, SiteDocs has introduced a system that is easy to use, easy to adapt and personalize and doesn't penalize us for growing our company by having user fees for each employee. SiteDocs has been developed to work and grow with a company, instead of requiring a company to fit within the limitations of the system. SiteDocs is an invaluable asset to any company requiring a safety management tool.

**Bonnie Pankratz**

*General Manager, Axis Inspection Group*

"SiteDocs has streamlined our safety program, enhanced our reporting programs, and improved employee involvement in our Zero Harm safety culture."

**Jarrold Moore**

*Operations Supervisor, Mayco Mix Ltd. (Lehigh Hanson)*



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## HAVER & BOECKER OFFERS CUSTOMERS CONVENIENT OPTION FOR MATERIAL TESTING

ARTICLE SUBMITTED BY BRITTANY LUTHI FOR HAVER & BOECKER CANADA

Haver & Boecker offers a fast, risk-free option for testing challenging materials using their Tyler Hydro-Clean. The Hydro-Clean uses high-pressure jets to effectively clean deleterious material from aggregate, mining and other minerals. The results display cleaner products, higher selling values and profits from material that was previously considered waste.

Customers begin the testing process by sending a sample of material to be tested on a laboratory Hydro-Clean unit. The test determines the percentage of particles minus 200 mesh, which allows Haver & Boecker to identify the amount of clay in the material to conclude whether the material can be successfully cleaned in the Hydro-Clean. After confirmation, Haver & Boecker sends a Hydro-Clean test kit for the customer to fill with about 1.5 tons of material to be tested at the Hydro-Clean Test Plant.

From there, customers choose to have a mobile unit visit their operation or to send their material in to the testing facility. The mobile unit is mounted on a chassis for easy transportation to operations.

"The Hydro-Clean mobile test facility provides ultimate convenience by allowing us to go directly to the customer's operation and give them a visual of how it will fit in," said Markus Kopper, general

manager at Haver & Boecker Rocky Mountains. "Beyond the convenience of mobility, the testing allows us to show customers the amount of sellable material they'll achieve by using the Hydro-Clean, all while reducing water and energy expenses."

A public Hydro-Clean testing and demonstration took place before BCSSGA's meeting in Kelowna in September. Kopper invited members to the BURNCO Bear Creek Gravel Pit to witness the washer's operation and results.

Customers also may travel to the testing facility in Conyers, Georgia, to see their materials before and after the Hydro-Clean test and talk through the results with Haver & Boecker's team of washing equipment experts.

Following the test, the customer receives the washed product along with a feasibility report outlining the test results. It includes Haver & Boecker's recommendations on what size Hydro-Clean would fit the customer's operation. It also breaks down the tons per hour at which the customer can wash their contaminated material.

Those interested in testing materials should call 1-800-325-5993 or visit [www.havercanada.com/test-materials](http://www.havercanada.com/test-materials).

ph 1.905.688.2644 tf 1.800.325.5993 f 1.905.688.4733

[info@havercanada.com](mailto:info@havercanada.com) | [www.havercanada.com](http://www.havercanada.com)



*Haver & Boecker's mobile Hydro-Clean allows customers to test material on-site to see whether the Hydro-Clean is a fit for their applications and will increase ROI.*

# INDEPENDENT CONTRACTORS AND BUSINESSES ASSOCIATION UPCOMING COURSES



## Microsoft Project

DECEMBER 1-2, 2015

The main objective of this 2-day course is to introduce the commands, functions, and capabilities of Microsoft Project. It is designed for computer users who are new to Microsoft Project who want to gain a thorough understanding of one of the world's most popular project management software packages. This course is Gold Seal certified.

## Change Order Management

DECEMBER 3, 2015

Changes are an inevitable part of the construction process but if not managed well, change orders can cause unnecessary project disruptions and lead to cost increases and schedule delays. This course will provide participants with best practices for successfully navigating this complex project management challenge. This course is Gold Seal certified.

## Microsoft Excel for Business

DECEMBER 3, 2015

Learn to use Excel to create budgets, track costs and generate quotes. Learn tools and ideas that will save time and create professional looking proposals and plans. Participants with only a very basic knowledge of Excel will quickly progress to create basic databases, budgets, graphs, reports and the fundamentals of building equations. This course is Gold Seal certified.

## Communications Skills

DECEMBER 3-4, 2015

This course is designed to teach owners, managers, and supervisors how to communicate effectively and efficiently. Participants will learn how to communicate properly through speaking, writing, body language, and listening; hone their skills on managing and controlling meetings; assertiveness training, anger and conflict management; and through correspondence and construction reports. This course is Gold Seal certified.

## The Winner's Curse - A systems approach to winning more work and increasing profits

DECEMBER 7, 2015

Trying to minimize costs is always a goal when tendering contracts. And too often, contractors focus solely on price, adopting strategies and pricing that can kill the rewards of winning the contract. These tactics can go so far as to threaten the company's

financial health. This breakfast presentation will focus first on how to be a smarter competitor in bidding situations and then on alternative strategies that will shelter you and your company from the price game, if not remove you from it all together.

## Microsoft Outlook - Priority Management

DECEMBER 9, 2015

Learn powerful organizational strategies that can change the way you work and save you hours of time every week. Learn to navigate quickly, and far less, through Outlook and how to create a powerful single page dashboard that will let you strategically manage all your appointments, tasks, email and follow-up calls on a single page. This course is Gold Seal certified.

## Construction Project Management

DECEMBER 14-15, 2015

Participants will develop skills and knowledge of how to manage a construction project. Participants will gain an understanding of the project processes and constraints encountered by project managers and how to successfully manage a complex project. This course is Gold Seal certified.

## Leading People to Peak Performance

DECEMBER 15-16, 2015

This proven, powerful and practical learning experience is absolutely essential for all supervisors and managers who are striving to bring the best out of their people! How much untapped potential, energy, commitment and creativity currently exists within your organization, team or department? What would it mean to your culture and bottom-line if you could learn to unleash just 10% more of the human potential? This course is Gold Seal certified.

## How to be a Better Foreman

DECEMBER 18, 2015

Many great trades people take a foreman position and fail. Not for lack of skills or drive but simply for lack of guidance on how to be a great foreman. This 1-day course gives participants the fundamentals of field leadership, organization, crew morale, efficiency, and productivity. This course is Gold Seal certified.

*Visit the ICBA course website to view the entire list of course offerings. For suggestions about topics, instructors or locations, please contact Sabine Just at [sabine@icba.ca](mailto:sabine@icba.ca).*

# SILICA TOOL UPDATE



The BC Construction Safety Alliance (BCCSA) is continuing its work on developing a mobile web-application which is going to revolutionize the industry. It is called the Silica Tool and once complete in spring 2016, it will work on all smartphones, tablets and computers in a very user-friendly manner. It is a joint initiative between BCCSA, UBC and WorkSafeBC. The tool will in essence be an online form that a user clicks on various aspects of a silica producing job/task and the application will then create a silica exposure plan that can be printed off, saved or emailed in real time. This will take a lot of the guesswork out

of a particular task and provide control measures to assist in reducing the risk associated with that particular task. "We are very excited to be bringing this tool to industry" says Mike McKenna, Executive Director for the BCCSA "and hope that it is embraced and used in industry for years to come". This is but one example of how the BCCSA works to help make the industry safer by providing tools, resources and training available to all the areas we service. For more information please contact us at [info@bccsa.ca](mailto:info@bccsa.ca) or visit our website at [www.bccsa.ca](http://www.bccsa.ca)



# MUSCULOSKELETAL DISORDERS AND MINING

SUBMITTED BY CHERYL POCKLINGTON, SENIOR INSPECTOR OF MINES ERGONOMICS



Does your organization have high-complaint work tasks? Do workers report pain that reoccurs or does not go away? Discomfort may be associated with early signs of a work-related Musculoskeletal Disorder or injury related to the movement of the body during the process of performing associated work tasks. Affected tissues may have difficulty repairing micro-damage that occurs from repeated performance demands and remain in a weakened state, susceptible to injury. Signs and symptoms can vary from mild discomfort or fatigue, which does not limit the performance of a work task, to a complete inability to perform an aggravating task. Nearly 50% of all lost time days in sand, gravel and quarrying in BC are related to MSD and are often caused by activities leading to overexertion.

## OVEREXERTION

Where larger operations may use more mechanized methods of handling materials resulting in greater use of mobile equipment and associated longer durations of sitting (see discussion on sitting below!), smaller operations have work tasks that likely expose workers to risks from forceful and repetitive grasping, lifting, lowering, and carrying which are physical demands commonly associated with manual handling activities. Specific job tasks leading to overexertion include recovering spills by shovelling, bagging product, lifting heavy objects such as sample bags

or trays, or operating awkward controls over a sustained period of time. Risk associated with handling activities is compounded by how much and how frequently a physical activity is performed, and for how long. Risk may be further increased in the presence of, but not limited to, time pressures, extreme temperatures, shiftwork, compromised lighting or ground conditions, and working alone.

There are many opportunities to reduce risk associated with handling activities:

- 1) Review jobs tasks with the intent to decrease unnecessary repetition or force;
- 2) Design job tasks to enable posture changes;
- 3) Select equipment designed for a variety of body types;
- 4) Provide opportunities for job task enlargement or rotation,;
- 5) Train workers in the risk factors for MSD associated with their job tasks;
- 6) Train workers in safe work practices and body mechanics associated with their tasks; and
- 7) Interview workers for concerns or ideas for improvement to reduce unnecessary handling.

## MOBILE EQUIPMENT OPERATORS SIT, SIT, SIT.

In addition to overexertion, prolonged sitting can contribute to MSD. Sitting induces an awkward posture of the spine which, when coupled with vibration and unpredictable motions of mobile equipment and extended periods of time, can lead to aggravation of the tissues about the spine. This is often seen with mobile equipment operators required to sit for several hours while operating.

Consider the following to minimize the risk to workers exposed to prolonged sitting in mobile equipment (note: this list is not exhaustive):

- 1) Is the chair height adjustable and does it provide adjustable lumbar support?
- 2) Can the seat move closer or further from the controls to fit a variety of workers?
- 3) Is there effective suspension in the seat to absorb vibration and bumps?
- 4) Are controls intuitive and easy to operate without reaching or using excessive force?
- 5) Is any limited view of the work area resulting in awkward postures of the operator's neck and back?
- 6) Are ground conditions being maintained to minimize vibration and shocks from roads?
- 7) Do break times provide an opportunity to get out of the cab and away from sitting?



# MUSCULOSKELETAL DISORDER PREVENTION FOR MINING

## PREVENTION TRAINING FOR SAND & GRAVEL OPERATIONS

**JANUARY 27<sup>TH</sup> OR 28<sup>TH</sup>, 2016**  
**8:00-4:00pm**

### COAST ABBOTSFORD HOTEL AND SUITES

2020 Sumas Way Abbotsford, British Columbia

*A block of rooms have been set aside for  
\$84/night plus taxes under the name MSD Prevention*

### PRESENTERS

AARON UNGER, *Inspector of Mines, Ergonomics*

CHERYL POCKLINGTON, *Senior Inspector of Mines, Ergonomics*

### MINES AND MINERAL RESOURCES DIVISION

*\*Please confirm your attendance and which date you would like to attend  
by January 8th, 2016 to [aaron.unger@gov.bc.ca](mailto:aaron.unger@gov.bc.ca)*



Finally, have workers been trained in the correct positioning of the seat and controls for their body type and working style? This is a necessary step and one that is often missed which unfortunately can negate the effectiveness of technology that is purchased or put into place to assist workers and their comfort.

### NEXT STEPS

The Ministry of Energy and Mines is responsible for the health and safety of workers employed in the British Columbia mining industry. The Ministry inspectorate consists of several specialist areas including inspectors in the field of ergonomics for the purpose of musculoskeletal disorder prevention. Every two years, the ergonomics inspectorate issues a MSD Prevention survey to mine sites across the province. The purpose of the survey is to gauge knowledge, engagement, and compliance with the Health and Safety Reclamation Code with respect to MSD Prevention. Early tabulations of this survey suggest that only half of the mining industry have provided any training on MSD prevention in the last five years. Coupled with the aforementioned stats on the prevalence of MSD, this suggests there are some meaningful opportunities for mines to adopt MSD Prevention strategies at their sites for injury prevention. This can begin with completing OHSC training in MSD Prevention, which is a Code requirement under HSRC 1.6.9(1)(h). This training provides participants

the knowledge, skills and abilities to begin to recognize, evaluate and control for risks associated with MSD.

In addition, participants would apply these enhanced prevention skills to audit existing incidents, injuries or reports of related problems (i.e. OHSC minutes, crew meetings, previous safety tours) to evaluate identified risks that are not yet controlled. These are valuable opportunities to reduce the risk of further incidents from occurring again.

Although it remains the responsibility of the mine to arrange for prevention training as per the Code, the Ministry is occasionally able to offer this training. Two training opportunities offered at no charge to industry are currently scheduled for the Abbotsford area on January 27th and 28th.

If you would like additional information on how to identify job tasks which may be associated with similar incidents, injuries or body parts at risk, or information on the distribution of other occurrences within mining subsectors, or would like to attend this training workshop, please contact an inspector.

### ***Cheryl Pocklington***

*Senior Inspector of  
Mines Ergonomics  
[Cheryl.Pocklington@  
gov.bc.ca](mailto:Cheryl.Pocklington@gov.bc.ca)  
250-356-0974*

### ***Aaron Unger***

*Inspector of Mines  
Ergonomics  
[Aaron.Unger@gov.bc.ca](mailto:Aaron.Unger@gov.bc.ca)  
250-387-0565*

## MINING ASSOCIATION OF BRITISH COLUMBIA CONGRATULATES NEW FEDERAL GOVERNMENT

WRITTEN BY MABC



The Mining Association of B.C. (MABC) would like to congratulate Prime Minister-elect Justin Trudeau and all elected Members of Parliament, in particular, the 42 members from British Columbia.

"We look forward to working with the new government on issues important to the mining industry in B.C. and nationally", said Karina Briño, President and CEO of the Mining Association of B.C. "We are an industry committed to British Columbians and Canada and we are confident in our ability to build constructive relationships with the new majority government under the leadership of Mr. Trudeau".

While proving resilient, the B.C. mining industry is currently experiencing a challenging economic environment. In 2014, the industry generated \$8.2 billion in gross mining revenues in B.C. and made payments to governments in excess of \$467 million dollars, not including the millions of dollars in personal and corporate income tax generated by mining operations; this is down from \$9.9 billion and \$674 million in 2011, respectively. Challenging market conditions have directly led to the suspension of mining and milling activity at various operations, resulting in an approximate 20% reduction in the industry's total direct workforce. These conditions are expected to continue in the near future.

"Now more than ever, it is critical that governments at all levels support economic growth through targeted measures to bolster the mining industry, supporting job creation across the province", noted Briño.

Over the course of the election campaign, MABC met with candidates from across B.C. to discuss the value and importance of the mining industry to the economy and future job growth. The association met with more than 40 candidates, representing all major political parties and all regions of the province.

"We reiterate our commitment to work with our new federal government towards the growth and prosperity of our industry for the benefit of all British Columbians", concluded Briño.

The Mining Association of B.C. represents companies involved in the development, mining and smelting of metals, coal and industrial minerals in British Columbia.

**MABC**  
MINING ASSOCIATION OF BRITISH COLUMBIA

BC's Voice  
of Mining  
Since 1901

**BCSSGA thanks MABC**  
for this contribution to Screenings  
and *wholeheartedly* shares in the  
sentiments regarding Mr. Trudeau's  
new Federal Government.

## THE GRIT ON SAFETY IN THE SAND & GRAVEL INDUSTRY

**WORK SAFE BC**

BY DON SCHOUTEN, MANAGER, INDUSTRY AND LABOUR SERVICES, WORKSAFEBC



Don't put off today what you can do tomorrow. It's a familiar expression designed to keep us moving and avoid procrastination. This is also true in business where output is tied to revenues. But sometimes rushing to finish a task or fitting in "just one more job" can lead to injuries and other consequences.

For workers in the sand and gravel industry, overexertion is the primary source of injuries, causing strains to backs and other parts of the body. Oftentimes, it's too late once you realize you've done too much. If you're a worker, you may have experienced something like this before: you're in the middle of a task, such as lifting a heavy object or digging into the ground, and you feel a "pop" in your back or knee. It's funny; you may have completed that same job a hundred times before in exactly the same way — without flinching — but this time you get hurt. What's not funny is the pain that comes with it, the often long and drawn out healing times, and, if you're an employer, the money lost due to claims costs and training replacement workers.

In preventing injury, risk assessments can be your best friend. And risk assessments aren't just for employers. A mental checklist of your environment is vital for all workers before beginning a task. Before you start the job, take some time to plan the best way to get it done safely. Here's an example: You're on the site and you need to offload some materials. First off, try to avoid having to do the task manually if you can help it. Have the materials delivered directly to where they are going to be needed, so they don't have to be moved. If they do need to be moved, use mechanical means. If it's a big load and there are no mechanical means around, ask co-workers to help you. And as always, it's important to make sure you're using proper lifting techniques.

Listening to your body is key to preventing overexertion injuries and pre-planning goes a long way in helping you perform a task safely.

To view more safety resources, visit the Construction portal on the Safety at Work section of [www.worksafebc.com](http://www.worksafebc.com)

Please let me know what you think of this topic or any construction safety issue. Call me at 604.214.6989 from the Lower Mainland or toll-free elsewhere at 1.888.621.7233. Or email [don.schouten@worksafebc.com](mailto:don.schouten@worksafebc.com). I'd like to hear from you.







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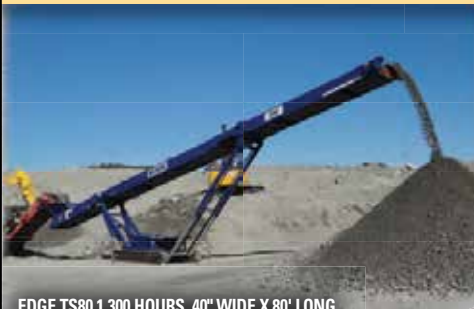
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## WorkSafe BC Update

### BILL 9: FINAL LEGISLATION ENACTED

On August 4, 2015, several provisions of Bill 9, the *Workers Compensation Amendment Act, 2015*, were brought into force by Order-in-Council. The goal of the changes is to improve workplace health and safety and strengthen the tools that WorkSafeBC uses to enforce the Act and the Occupational Health and Safety Regulation.

A number of provisions of Bill 9 took effect on May 14, 2015 (see "Highlights of the new legislation" on [worksafebc.com](http://worksafebc.com)); the remaining changes to the Act will come into force in September 2015.

### What's changing?

Here's an overview of the changes brought into force through the August 4, 2015 Order-in-Council.

- Compliance agreements (effective Sept. 15, 2015)
- Employer citations (in force now, to be implemented in early 2016)
- Request for reviews: new, shorter timeline (effective Sept. 15, 2015)
- Additional members on our Board of Directors (effective Sept. 15, 2015)

Learn more about these changes here.

### For more information

WorkSafeBC will continue posting additional information including occupational health and safety policies, guidelines, and other materials on our website.

*Please share this update with anyone who may find it useful. They can also subscribe to receive health and safety news.*

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