

2016 SCREENINGS

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



Seasons Greetings FROM BCSSGA!

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 **Paul Allard, Editor**, gravelbc@telus.net

T: 778-571-2670 F: 778-571-2680 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 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	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!	
Social Media Committee	Tyson Craiggs	Barry McLean, Derek Holmes and Brent Palmer

HIGHLIGHTS FROM BCSSGA MEETING

SEPTEMBER 20, 2016–QUAIL'S GATE WINERY, KELOWNA

FRASER VALLEY REGIONAL DISTRICT SOIL REMOVAL BYLAW UPDATE

- The soil removal bylaw has been approved by Minister Bennett
- New gravel pits are prohibited in specified areas
- This is the result of over a decade of work
- Industry concerns include noise limits and duplication of provincial rules
- The ministry is signing a MOU with the FVRD which addresses delayed enforcement, reasonable noise measurement and enhanced coordination between the MEM and FVRD
- Administrative monetary penalties are financial penalties for non-compliance, not imposed by court, imposed by statutory decision maker
- Public discussion now online at <http://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/compliance-enforcement/amp>
- Government is reviewing other jurisdictions and best practices
- Updated reclamation security policy will be released in 2017
- The changes are targeted at major mines but there is also an opportunity to bring consistency and clarity to regional mines
- The Minister does not wish to shut down existing operations
- Since the bylaw has passed, BCSSGA wishes to focus on the MOUs. The association will welcome an opportunity to participate in the discussion.

Discussion questions detailed in the Discussion Paper:

1. Is a \$500,000 maximum AMP an appropriate amount? If not, should it be higher or lower?
2. What kinds of non-compliance should attract AMPs at the high end of the spectrum and what kinds of non-compliance should attract AMPs at the low end of the spectrum (e.g., environmental damage/risk, health and safety)?

3. What existing appeal tribunal would be the most appropriate for AMP appeals under the Mines Act (e.g., Environmental Appeal Board, Oil and Gas Appeal Tribunal, Forest Appeals Commission)?

4. What factors should be considered when determining the appropriate AMP amount in a specific case (e.g., compliance history, potential harm, intentional non-compliance)?

Coquitlam Soil Deposit Bylaw

The City of Coquitlam's Soil Removal Regulation Bylaw No. 1914,1988, regulates the removal of soil from existing aggregate mines which requires permitted users to pay a fee for the volume of soil substance removed. The fees are intended to help offset road maintenance and pavement rehabilitation costs on gravel haul routes. Coquitlam has allowed BCSSGA to discuss the bylaw. The concern is triple-dipping with deposits and extraction fees.

Water Sustainability Act

The Water Sustainability Act came into force on February 29, 2016. No one has received a permit and there is nothing new to report to the members at this time.

Technical Committee Update re: Website and Social Media Development

The scope of the project has been broadened to include updating the website to be fresher and more mobile-friendly and creating promotional videos. The project involves branding and social media. The committee is reviewing quotes from marketing companies at this time.

MEM Fees for New Mining Permits and Updated Mine Plans

When you apply for a new permit on Crown Land, Front Counter instructs you to pay your land fee and mines fee, although you do not have the land yet. This costs companies a significant amount without having knowledge as to whether or not you will actually obtain the land. The process should be changed so no fee is charged until the land is approved.

PROPOSED CHANGES TO THE GVRD NON-ROAD DIESEL ENGINE EMISSION REGULATION

SUBMITTED BY METRO VANCOUVER (GVRD)

Metro Vancouver is considering steps to reduce emissions caused by diesel combustion exhaust in order to protect both air quality and human health across the region.

Diesel combustion exhaust is a major source of fine particulate matter, and the particulate from diesel engines, commonly known as diesel soot, is a primary contributor to both short- and long-term air quality health concerns, such as aggravated asthma, as well as heart and respiratory diseases.

With many non-road diesel engines operating close to where people live, work and play, Metro Vancouver is proposing changes to its Non-Road Diesel Engine Emission Regulation Bylaw, which focuses on reducing emissions from higher polluting Tier 0 and Tier 1 engines. The bylaw applies to anyone who owns, operates or hires diesel equipment 25 horsepower or greater in the Metro Vancouver region. This equipment is found primarily in heavy-duty construction.

Owners of non-road Tier 0 and Tier 1 engines must register and pay fees for annual, monthly, daily or low-use periods of up to 200 hours in order to operate in Metro Vancouver. The proposed amendments to the bylaw would mainly affect the low-use category.

Under the proposed changes, registrants may no longer be able to purchase low-use registration, or alternatively, they may be required to pay annual fees upfront and report engine hours monthly. For the second option, if registrants can demonstrate they are operating within the 200-hour limit, they will be eligible for a reduction from the annual fee to a low-use fee.

The proposed changes are expected to improve reporting of low-use operating hours and compliance, as well as create a more level playing field with respect to registration for categories that reflect the amount of engine use. Other proposed changes would improve how the bylaw is applied, such as extending the deadline by which Tier 1 engines are to be registered to January 31st, 2020.

Metro Vancouver wants to hear from you on the proposed changes. Please send your comments or questions to DieselBylaw@metrovanancouver.org or call 604-432-6200 before February 17, 2017 or until a revised bylaw is approved by the GVRD Board. Visit metrovanancouver.org and search "Bylaw 1161 Amendments" to find out more.



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continued from page 3

Hazard Awareness Program (HAT) – Proposal from SixTwelve Creative – Safety Discussion

BCSSGA will need to discuss the program by January to evaluate the course and determine what changes are required. We have received additional funding from the Province which could be used to update the course and generate more traffic. One suggestion is to require all suppliers coming onto the mine sites to take the HAT course.

Update on the BC Ministry of the Environment Spill Response Regime Project

After gathering feedback on the spill response regime, the Ministry has updated its proposed direction for identifying regulated persons. This regime contains instructions on the storage of fuel and how it will be monitored. The current proposal indicates that a full-time fuel management team may be required. Please see the discussion paper circulated by Paul Allard following the September meeting for more details.



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BCSSGA WISHES TO CONGRATULATE THE BC ROAD BUILDERS & HEAVY CONSTRUCTION ASSOCIATION ON ITS 50TH ANNIVERSARY!



BC ROAD BUILDERS HISTORY BOOK AND ROAD TRIP WINES

THIS ARTICLE ORIGINALLY APPEARED IN THE FALL/WINTER 2016 ISSUE OF THE VOICE

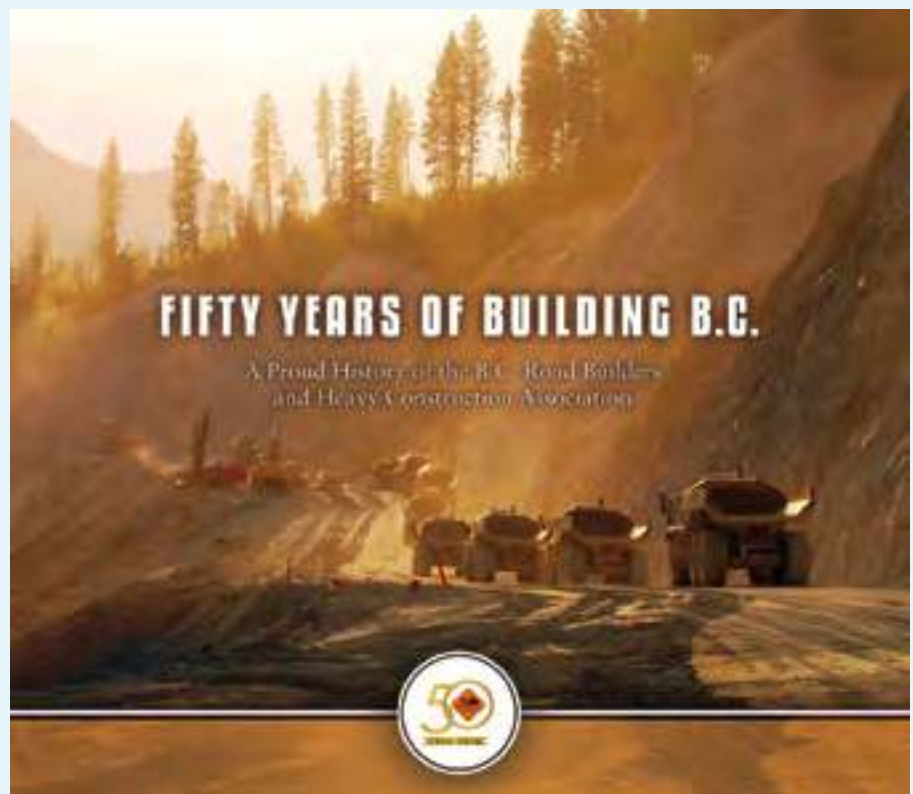
The BC Road Builders and Heavy Construction Association has completed its special history book. The book is entitled, *"Fifty Years of Building BC – A Proud History of the BC Road Builders and Heavy Construction Association,"* and highlights the storied history of the association from how it first formed, to how it progressed into the pre-eminent organization it is today. It includes pictures of important people in the association's history along with the spectacular infrastructure projects our member companies have built. The book will be available for purchase through the Association's website in early December just in time for Christmas!

In addition, the BC Road Builders is commemorating its 50th anniversary with special, exclusive wine. Okanagan Crush Pad's Winemaker Mike Durnayne crafted Road Trip White using Chardonnay, Sauvignon Blanc, Pinot Gris and Gewürztraminer grown at their Oliver and Summerland vineyards. Fresh lifted aromatics of spice and floral notes intermingle with juicy tropical fruits, a lush mouthful

coats the palate with great fruit density while also retaining delicacy, freshness and a very lengthy finish. Road Trip Red has been crafted using Gamay Noir and Syrah grapes. Bright dark raspberry fruit with notes of pepper and chocolate create a seamless texture of sweet berries, fine grained tannins, and a long juicy finish. There is also Road Trip Bubble-up,

which was crafted by Okanagan Crush Pad's Sparkling Winemaker Jordan Kubek using Pinot Noir and Chardonnay grapes grown on cool vineyard sites. It's a fresh and lively wine with nice, warm bread aromas and a crisp apple finish.

Information on ordering the wine is available on the members only section of the BC Road Builders' website.



SAFETY TRAINING SCHEDULE – JANUARY 2017

COR INTERNAL AUDITOR TRAINING

This two day course is based on the COR National Audit Document and teaches permanent employees how to evaluate the performance of their company's health and safety program. Participants will learn auditing techniques such as: documentation review, employee interviews, closeout meetings, site observations and executive summary reports.

JANUARY 17 & 18, 2017 *New Westminster*

JANUARY 19 & 20, 2017 *VICTORIA / KELOWNA*

JANUARY 24 & 25, 2017 *New Westminster*

FEBRUARY 23 & 24, 2017 *New Westminster*

LEADERSHIP FOR SAFETY EXCELLENCE

This two day course is designed for Supervisors, Safety Officers, and Managers. It will enable you to: define supervisory and management roles, complete inspections and conduct safety investigations. You will also learn important information about training/communication and hazard assessments.

JANUARY 5 & 6, 2017 *New Westminster*

JANUARY 12 & 13, 2017 *Kelowna / New Westminster / Prince George*

JANUARY 19 & 20, 2017 *Abbotsford*

JANUARY 24 & 25, 2017 *Ft. St. John*

JANUARY 26 & 27, 2017 *Kamloops / Victoria*

For more information, or to register, go to **www.bccsa.ca**

INDEPENDENT CONTRACTORS AND BUSINESSES ASSOCIATION UPCOMING COURSES



Change Order Management

JAN 19 – Prince George

MAR 30 – Burnaby

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.

Writing Effective Letters, Scope Documents, and Reports

JAN 30 – Burnaby

FEB 27 – Kelowna

MAR 30 – Victoria

Potential clients often judge you based on whether you can clearly articulate the services you provide. Clients may skim your documents, so you need to ensure that your content is organized and that your key points stand out. Your writing ability is important. This seminar is focused on helping you to do exactly that: to write more effectively. You'll learn to tailor your writing for your audience and purpose. You'll apply the strategies required for effective scope documents, letters, and reports. In addition, you'll also incorporate key principles for editing and revising your documents.

Effective Management Skills

JAN 30 – Prince George

FEB 6 – Nanaimo

FEB 23 – Burnaby

MAR 6 – Kelowna

This course is for all managers, supervisors, team leaders or anyone who is responsible for achieving results through people and who want to bring the best out in people. Participants will deepen their understanding of motivation, engagement, delegation/empowerment and practical feedback skills in this interactive, high energy and thought-provoking seminar.

How To Be a Better Foreman

MAR 9 – Victoria

MAR 10 – Burnaby

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.

Trenching and Excavation Safety Workshop

FEB 21 – Burnaby

MAR 16 – Victoria

The workshop walks participants through a comprehensive program that covers shoring, benching, sloping and shielding systems. It also includes a section on location of underground utilities and the geotechnical and structural engineered documentation requirements.

Negotiation Skills

JAN 31 – Prince George

FEB 7 – Victoria

MAR 7 – Kelowna

Many individuals often fail in negotiation not because they are unable to get an agreement, but because they walk away from the table when they could have done much better. In this seminar you will learn a proven, practical step-by-step approach to win-win negotiations and how to protect yourself from "hardball" negotiators.

For more information, or to register, contact:

Sabine Just, M.A.

*Director of Training, Independent Contractors
and Businesses Association of BC*

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COWICHAN VALLEY V. COBBLE HILL HOLDINGS

SUBMITTED BY CHARLES F. WILMS, FASKEN MARTINEAU DUMOULIN LLP

On November 3, 2016, the BCCA decided the following in *Cowichan Valley (Regional District) v. Cobble Hill Holdings Ltd.*, 2016 BCCA 432:

[6] Although multiple issues were raised in the appeal and cross appeal, the central issue in my respectful view is one of jurisdiction. For the reasons below, I am of the view that the Province has exclusive jurisdiction to regulate the operation of a quarry and its site reclamation, provided the reclamation activity is integral to restoring the affected landform.

[74] In my opinion, the CVRD has not demonstrated a legislative intention that would authorize it to regulate or prohibit the deposit of soil on the appellants' property pursuant to (i) the general zoning power under s. 479 of the LGA, (ii) the specific requirements for a soil deposit bylaw under s. 327 of the LGA, or (iii) under s. 5.20 of the Zoning Bylaw.

[88] In my view, it is clear that the Province has exclusive jurisdiction over the regulation of quarries/mines and their related site reclamation activities.

The court distinguished *GPP v. Pumice* as follows:

[82] *Pumice* did not address the issue before us, namely whether a quarry and its site reclamation are captured by the definition of mine and mining activity in the *Mines Act*. If a quarry and its site reclamation are captured by the definition, then in my opinion, they are subject to the exclusive jurisdiction of the Province.

[83] The CVRD contends that, based on the comments in *Pumice*, any surface area on which a quarry or mine operates falls within the definition of "land" in the LGA, and is subject to ss. 4.2 and 7.4(a)(ii) of the Zoning Bylaw, which expressly permits only "extraction" of the aggregate. The CVRD maintains that as none of the appellants' non-extraction activities are expressly permitted under s. 7.4(a)(ii), those activities can be prohibited pursuant to the general provisions of the Zoning Bylaw or s. 5.20. With respect, I cannot agree.

[84] The ratio of *Pumice* is that off-site storage and processing activities are not site reclamation. I agree. Reclamation is the restoration of that part of the landform affected by excavation. Off-site mining activities do not meet that purpose. Both the excavation of the land and its reclamation must take place on-site. It was in this context that the Court held a "mine" was "confined to an excavation of substances on or under the surface" (at para. 49) and did not include "all mining activities on the surface of land" (at para. 48) [emphasis added]. The Court did not find that site reclamation was not a "mine" or "mining activity" under the *Mines Act*.

The full decision is here: <http://www.courts.gov.bc.ca/jdb-txt/ca/16/04/2016BCCA0432.htm>

This case confirms that exclusive jurisdiction over a mine is with the Province and a local government cannot interfere with mining activities, as defined in the Mines Act, on the land through a zoning bylaw.



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MINE RESCUE & FIRST AID COMPETITION



The Provincial Mine Rescue and First Aid competition has been held annually since the 1950s. It brings together mine rescue teams from across British Columbia to test their emergency response and rescue abilities in either surface or underground competitions in a one-day event open to the public.

All mines in B.C. are required to have emergency response capabilities under the Health, Safety and Reclamation Code for Mines in British Columbia. This requirement has made the B.C. mining industry a worldwide model for the implementation of health and safety practices.

The Ministry of Energy and Mines supports the Provincial Mine Rescue and First Aid Competition to ensure a very high level of mine rescue competence. In addition, the competition enables B.C. mines to maintain consistent standards of training and procedures so that they can provide mutual aid to one another in the event of an emergency.

The Mine Rescue and First Aid competition tests teams knowledge of the Western Canada Mine Rescue Manual in three main categories: three person first aid, surface mine rescue and underground mine rescue.

Three Person First Aid

- Demonstration of basic first aid in a simulated emergency

Surface Mine Rescue

- Extrication
- Rope
- Practical Bench
- First Aid
- Written Exam

Underground Mine Rescue

- Obstacle and Recovery
- Donning Bench
- Fire Fighting
- Practical Bench
- First Aid
- Written Exam

Winners of this event are invited to compete in the Western Region Mine Rescue Competition, hosted biennially by the City of Fernie, B.C.

The 62nd Provincial Mine Rescue Competition will take place in
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For more information: gov.bc.ca

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Motors and Motor Mounts
Safety Pull Chord Switches
Sheaves, Belts & Belt Guards
Lagged Head & Winged Tail Pulleys

BCSSGA'S SAFETY TRAINING SITE – HAVE YOU ENROLLED?

The Hazard Awareness Training course is part of the Workplace Safety Program which was developed by the BC Stone, Sand and Gravel Association 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 the 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 include hazard identification, hazard assessment and hazard control. The cost is only \$24 per participant and you will be able to review the course at any time for one year from your enrollment date.

Please go to <https://bcssga.trainingden.com> to find out more information about the Hazard Awareness Training course and to enroll.

ANSWERS FOR “What’s Wrong with this photo?”

WORK SAFE BC

WORKING TO MAKE A DIFFERENCE

WorkSafeBC occupational safety officers Anna Billingsley and Andrew Lim compiled the following list of hazards found in the photo found on page 12 of this issue:

- No guard on the power takeoff (PTO) shaft
- No operators on the equipment (unattended loads)
- The worker is climbing up the side of the feed mixer. (He needs a compliant work platform or ladder)
- The worker should not be attempting to climb with something in his hand
- The worker’s posture suggests poor ergonomics (awkward bending, contact stresses)
- Personal protective equipment: at a minimum, the worker needs a high-visibility vest, gloves, and
- Is the worker working alone? If so, this could be a problem
- Is the equipment running or shut off? (It should be shut off)
- The cotter pin is missing
- The pin is not fully engaged (below the PTO)
- Lockout applies (blocking tires, de-energizing, and controlling all hazardous energy sources)
- If the product is silage, there may be an issue with hydrogen sulphide
- If the worker attempted to enter the feed mixer, it could present a confined space hazard
- The grey hose and wiring system on the front of the trailer offers too many twists; it could impede fluid flow or unduly strain electrical wiring
- Depending on what is in the bucket, it could require material safety data sheets (MSDS) or pesticide information and appropriate training

Photo and content provided by WorkSafeBC
– learn more at worksafebc.com